

**OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY
OREGON TITLE V OPERATING PERMIT**

Northwest Region
2020 SW 4th Avenue, Suite 400
Portland, OR 97201-4987
Telephone (503) 229-5263

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

ISSUED TO:

Masterbrand Cabinets, Inc.
PO Box 547
Hillsboro, OR 97123

INFORMATION RELIED
UPON:

Application Number: 021759
Received: 03/16/06

PLANT SITE LOCATION:

600 SW Walnut Street
Hillsboro, OR 97123

LAND USE COMPATIBILITY STATEMENT:

Issued by: City of Hillsboro
Dated: 09/06/95

ISSUED BY THE DEPARTEMENT OF ENVIRONMENTAL QUALITY

Audrey O'Brien, Northwest Region Air Quality Manager

Date

Nature of Business:

Kitchen Cabinet Manufacturer

SIC

2434

RESPONSIBLE OFFICIAL

Title: General Manager

FACILITY CONTACT PERSON

Name: Jim Weitkamp
Title: Environmental Engineer
Phone: (503) 693-0314

TABLE OF CONTENTS

LIST OF ABBREVIATIONS USED IN THIS PERMIT3

PERMITTED ACTIVITIES4

EMISSIONS UNIT (EU) AND POLLUTION CONTROL DEVICE (PCD) IDENTIFICATION4

EMISSION LIMITS AND STANDARDS, TESTING, MONITORING, AND RECORDKEEPING5

 Facility Wide Emission Limits and Standards.....5

 Emission Unit Specific Emission Limits and Standards6

 NESHAP Limitations and Monitoring for Wood Manufacturing, Subpart JJ.....9

 General Emission Limits and Standards that Apply to Insignificant Activities15

PLANT SITE EMISSION LIMITS.....16

REASONABLY AVAILABLE CONTROL TECHNOLOGY (RACT).....18

GENERAL TESTING REQUIREMENTS.....20

GENERAL MONITORING AND RECORDKEEPING REQUIREMENTS.....21

REPORTING REQUIREMENTS23

NON-APPLICABLE REQUIREMENTS.....29

GENERAL CONDITIONS30

CROSS REFERENCE FROM NEW RULE NUMBERS TO OLD RULE NUMBERS.....35

LIST OF ABBREVIATIONS THAT MAY BE USED IN THIS PERMIT

ACDP	Air Contaminant Discharge Permit	O ₂	Oxygen
ASTM	American Society of Testing and Materials	OAR	Oregon Administrative Rules
Btu	British thermal unit	ODEQ	Oregon Department of Environmental Quality
CFR	Code of Federal Regulations	ORS	Oregon Revised Statutes
CO	Carbon Monoxide	O & M	Operation and Maintenance
CPMS	Continuous parameter monitoring system	Pb	Lead
DEQ	Department of Environmental Quality	PCD	Pollution control device
dscf	Dry standard cubic feet	PM	Particulate matter
EF	Emission factor	PM ₁₀	Particulate matter less than 10 microns in size
EPA	US Environmental Protection Agency	ppm	Parts per million
EU	Emission Unit	PSEL	Plant Site Emission Limit
FCAA	Federal Clean Air Act	psia	pounds per square inch, actual
FSA	Fuel sampling and analysis	SERP	Source emissions reduction plan
gr/dscf	Grain per dry standard cubic feet (1 pound = 7000 grains)	SO ₂	Sulfur dioxide
HAP	Hazardous Air Pollutant as defined by OAR 340-244-0040	ST	Source test
HCFC	Halogenated Chloro-Fluoro-Carbons	VE	Visible emissions
ID	Identification number	VMT	Vehicle miles traveled
I&M	Inspection and maintenance	VOC	Volatile organic compounds
NA	Not applicable		

Modified EPA Method 9: As used in this permit “Modified EPA Method 9” is defined as follows:

Opacity must be measured in accordance with EPA Method 9. For all standards, the minimum observation period must be six minutes, though longer periods may be required by a specific rule or permit condition. Aggregate times (e.g., 3 minutes in any one hour) consist of the total duration of all readings during the observation period that are equal to or greater than the opacity percentage in the standard, whether or not the readings are consecutive. Each EPA Method 9 reading represents 15 seconds of time. [See also the definition of “Opacity” in OAR 340-208-0010]

These terms used in this permit for the Wood Furniture Manufacturing NESHAP, have the following meanings:

C _c	=	the VHAP content of a finishing material (c), in kilograms of volatile hazardous air pollutants per kilogram of coating solids (kg VHAP/kg solids), as supplied. Also given in pounds of volatile hazardous air pollutants per pound of coating solids (lb. VHAP/lb. solids).
E	=	the emission limit achieved by an emission point or a set of emission points, in kg VHAP/kg solids (lb. VHAP/lb. solids).
G	=	the VHAP content of a contact adhesive, in kg VHAP/kg solids (lb. VHAP/lb. solids), as applied.
M	=	the mass of solids in finishing material used monthly, kg solids/month (lb. solids/month).
S	=	the VHAP content of a solvent, expressed as a weight fraction, added to finishing materials.
VHAP	=	volatile hazardous air pollutants
W	=	the amount of solvent, in kilograms (pounds), added to finishing materials during the monthly averaging period.

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 to or associated with air contaminant source(s) in accordance with the requirements, limitations, and conditions of this permit. [OAR 340-218-0010 and 340-218-0120(2)]
2. All conditions in this permit are federally enforceable except as specified below:
 - 2.a. Conditions 7, 8, 12.a, G4, and G8 (OAR 340-248-0005 through 340-248-0180) are only enforceable by the state. [OAR 340-218-0060]
 - 2.b. See page 35 of this permit for a cross-reference for SIP and Title V program rules that have been renumbered in the current Oregon Administrative Rules. [OAR 340-218-0060 and 340-218-0070]
3. As operated at the time of issuance of this permit, the permittee does not use the subject method of compliance, process, or coatings set forth in the shaded conditions contained in this permit. These conditions are applicable requirements and subsequent monitoring and reporting requirements. However, the permittee may only use the method of compliance, process, or coating set forth in the shaded conditions following written notice to the Department. Permit modification is not required.

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

4. The emissions units regulated by this permit are the following [OAR 340-218-0040(3)]:

Table 1
Emission Unit Identification

Emissions Unit		EU ID	Pollution Control Device/Practice	PCD ID
Painting/Coating Operation		EU1	Spray booth particulate filters	NA
Material Handling	Cyclones with baghouse	EU2	Baghouse	BH _X *
Unpaved roads		EU4	None	NA
Air Handlers (heaters for NO _x and CO)		EU5	None	NA
Insignificant Emission Unit	Painting/Coating Operation (PM, PM ₁₀ , SO ₂ , NO _x , and CO)	IEU	None	NA
	Heaters (PM, PM ₁₀ , SO ₂ and VOC)			
	Cyclone drop (PM/PM ₁₀)			

* The subscript X denotes the number of the baghouse

EMISSION LIMITS AND STANDARDS, TESTING, MONITORING, AND RECORDKEEPING REQUIREMENTS

The following tables and conditions contain the applicable requirements along with the testing, monitoring, and recordkeeping requirements for the emissions units to which those requirements apply.

Facility Wide Emission Limits and Standards

Table 2.

Applicable Requirement	Condition Number	Pollutant/Parameter	Limit/Standard	Monitoring Condition
340-208-0210(2)	5	Fugitive emissions	minimize	6
340-208-0300	7.a	Odors	no nuisance	8
340-208-0450	7.b	PM >250µ	no fallout	8
340-206-0050	9	SERP	Implementation of SERP	10
40 CFR Part 68	11	Risk management	Risk management plan	11

5. Applicable Requirement: The permittee must not cause, suffer, allow, or permit any materials to be handled, transported, or stored; or a building, its appurtenances, or a road 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. Permittee must take appropriate corrective action if visible emissions are observed. [OAR 340-208-0210(2)] See Condition 6 for monitoring requirements.

6. Monitoring Requirement for Condition 5: At least quarterly, for a minimum of 30 minutes while the plant is in full operation, the permittee must visually inspect the facility for any sources of visible emissions in accordance with EPA Method 22. The person conducting the survey does not have to be EPA Method 9 certified. However, the individual should be familiar with the procedures of EPA Method 9 including using the proper location to observe visible emissions. Permittee must take corrective action to minimize emissions if visible emissions are observed. The permittee must document the results of inspection and any corrective action taken.

7. Applicable Requirement: Nuisance Conditions:
 - 7.a. The permittee must not cause or permit the emission of odorous matter in such a manner as to cause or contribute to a nuisance condition in accordance with OAR 340-208-0300. This condition is enforceable only by the State.
 - 7.b. The permittee must not cause or permit the emission of any particulate matter larger than 250 microns in size at sufficient duration or quantity as to create an observable deposition upon real property of another person when notified by the Department that the deposition exists and must be controlled. [OAR 340-208-0450] This condition is enforceable only by the State.

See Condition 8 for monitoring requirements.

8. Monitoring Requirement for Conditions 7.a and 7.b: The permittee must maintain a log recording all written complaints or complaints received via telephone by the responsible official or a designated appointee that

specifically refer to a complaint of odor, or fugitive dust emissions and /or particulate matter fallout >250 microns from the permitted facility deposited upon the real property of another. The log must also record permittee's actions to investigate, make a determination as to the validity of the complaint, and resolve the problem, within five working days of receiving the complaint. A plant representative must provide a response to the complainant within five working days. This condition is only enforceable by the state.

9. Applicable Requirement: In the event an Air Pollution Alert, Warning, or Emergency Episode is declared in the Portland area by the Department, the permittee must take the action appropriate to the episode condition as required by OAR 340-206-0050. The permittee must take such action when the permittee first becomes aware of such a declaration whether through news media, direct contact with the Department, or from other sources. The Source Emission Reduction Plan (SERP) must be available on the source premises for inspection by Department personnel and must be filed with the Department. [OAR 340-206-0050] See Condition 10 for monitoring requirements.
10. Monitoring Requirement for Condition 9: The permittee must maintain a log summarizing actions taken during an applicable air pollution episode, pursuant to Condition 9. This log may be part of the coating use record.
11. Applicable Requirement: Should this stationary source become subject to the accidental release prevention regulations in 40 CFR Part 68, then the permittee must submit a risk management plan (RMP) by the date specified in 40 CFR 68.10 and comply with the plan and all other applicable Part 68 requirements. [40 CFR Part 68]

Emission Unit Specific Emission Limits and Standards

Table 3

Emission Unit	Applicable Requirement	Condition Number	Pollutant/Parameter	Limit/Standard	Monitoring Requirements	
					Method	Condition Number
EU1	340-208-0600	12.a	opacity	20%	VE periodic monitoring	13
	340-208-0110(2)	12.b	opacity	20%	VE periodic monitoring	13
	340-226-0210(1)(b)	14	PM/PM ₁₀	0.1 gr/dscf	Recordkeeping	16 and 39
	40 CFR 63.802(a)(1)	18.a.	VHAP/finishing	1.0 lb/lb solids	Recordkeeping	19, 24 and 25
	40 CFR 63.802(a)(1)	18.b.	VHAP/finishing	10% HAP by weight	Recordkeeping	19, 24 and 25
	40 CFR 63.802(a)(1)	18.b.	VHAP/finishing	3% HAP by weight	Recordkeeping	19, 24 and 25

Emission Unit	Applicable Requirement	Condition Number	Pollutant/Parameter	Limit/Standard	Monitoring Requirements	
					Method	Condition Number
	40 CFR 63.802(a)(2)	20	VHAP/adhesives	1.0 lb/lb solids	Recordkeeping	21, 24 and 25
	40 CFR 63.802(a)(3)	22	VOC/strippable	0.8 lb/lb solids	Recordkeeping	23, 24 and 25
	40 CFR 63.803	26	VOC\VHAP	Work Practice Standards	Recordkeeping	27
EU2	340-208-0600	12.a	opacity	20%	VE periodic monitoring	13
	340-208-0110(2)	12.b	Opacity	20%	VE periodic monitoring	13
	340-226-0210(1)(b)	14	PM	0.1 gr/dscf	Recordkeeping	17 and 39
	340-021-0040 & 0045	15	PM	Process wt. limit	I&M monitoring	17 and 39
EU4	340-208-0600	12.a	Opacity	20%	VE periodic monitoring	13
	340-208-0110(2)	12.b	Opacity	20%	VE periodic monitoring	13

Opacity limitations and monitoring

12. Applicable Requirement: The permittee must limit opacity from EU1, EU2, and EU4 as follows:
- 12.a. The permittee must not cause or allow the emissions from non-fuel burning equipment of any air contaminant into the atmosphere for a period or periods aggregating more than thirty seconds in any one hour which is equal to or greater than 20% opacity, excluding uncombined water. [OAR 340-208-0600] Visible emissions must be measured in accordance with Condition 13. This condition is enforceable only by the State.
- 12.b. The permittee must not cause or allow the emissions of any air contaminant into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is equal to or greater than 20% opacity, excluding uncombined water from emissions units. [OAR 340-208-0110(2)] Visible emissions must be measured in accordance with Condition 13.
13. Monitoring Requirements for Conditions 12: The permittee must monitor visible emissions from emissions units EU1, EU2, and EU4 in accordance with the following procedures, test methods, and frequencies:
- 13.a. The permittee must conduct a six-minute visible emissions survey of each monitoring point following the general procedures outlined in EPA Method 22 (Method 22 measurements must be made at the property line, downwind of the source). Condensed water vapor is not considered an emission for the

purposes of this survey method. The permittee must conduct visible emission surveys on EU1, EU2 (baghouses), and EU4 quarterly.

- 13.b. If the observer is unable to conduct the Method 22 surveys and/or Method 9 tests due to visual interference 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 which impair visibility, the observer must note such conditions on the data observation sheet. If the visible emissions survey and/or test could not be conducted on the regularly scheduled day due to interference, the observer must conduct the test on the following day.
- 13.c. If visible emissions from emissions units EU1, EU2, or EU4 are identified for more than 5% of the survey time (18 seconds), EPA Method 9 must be used to determine opacity in accordance with the Department's Source Sampling Manual. The Method 9 test must be conducted on the affected monitoring point within 24 hours. Each Method 9 observation period must be for a minimum of six minutes unless any one reading is greater than 20% opacity, in which case the observation period must be a minimum of 60 minutes or until a violation of the emissions standard identified in Condition 12 is documented, whichever is a shorter period.
- 13.d. Prior notification and a pre-test plan are not required to be submitted to the Department for each visible emissions survey or Method 9 test.

Particulate Emission Limitations and Monitoring

14. Applicable Requirement: The permittee must not cause or allow the emission of particulate matter in excess of 0.1 grains per dry standard cubic foot, from emissions unit EU1 and EU2. [340-226-0210(1)(b)] Particulate matter emissions shall be measured in accordance with Condition 39. See Conditions 16 and 17 for monitoring requirements.
15. Applicable Requirement: The permittee must not cause, suffer, allow, or permit any materials in any one hour from the cabinet shop baghouse (emissions unit EU2) in excess of the amount shown in Table 1, OAR 340-226-320, for the process weight (amount of waste materials handled by the cyclones and baghouse) allocated to that process. Particulate matter must be measured in accordance with Condition 39. See Condition 17 for monitoring requirements.
16. Monitoring for Condition 14: The requirements of Condition 14 for emissions unit EU1 is considered to be fulfilled providing the permittee complies with the following:
 - 16.a. The permittee must replace spray booth filters following a schedule in the facility operation and maintenance plan. Any departures from the schedule must be noted in the spray booth operation log.
 - 16.b. The permittee must maintain a log of all departures from the filter operation and maintenance plan.
17. Monitoring for Condition 14 and 15: The permittee must maintain monthly records of inspection and maintenance for the cyclones and baghouse for emissions unit EU2. The requirements of Conditions 14 and 15 for emissions unit EU2 is considered to be fulfilled providing the permittee complies with the following:
 - 17.a. If any visible emissions are identified during the survey from any air contaminant source in the facility, the permittee must take corrective action to minimize the emissions, or conduct EPA Method 9 test.
 - 17.b. Inspection and bag replacement (when broken or routinely) records must be recorded in a maintenance log.

NESHAP Limitations and Monitoring for Wood Furniture Manufacturing, Subpart JJ

18. Applicable Requirement: In accordance with 40 CFR Part 63.802, the permittee must limit VHAP emissions by meeting the following emissions limitations, using the compliance method(s) in Conditions 19 and 25. The permittee must limit VHAP emissions from finishing operations by meeting the following emissions limitations: [40 CFR 63.802 (a)(1)]

18.a. Achieve a weighted average VHAP content across all coatings of a maximum of 1.0 kg VHAP/kg solids [lb VHAP/lb solids], as applied; or

18.b. Use the following compliant finishing materials:

18.b.i. Stains, washcoats, sealers, topcoats, basecoats, and enamels with VHAP contents not to exceed 1.0 kg VHAP/kg solids [lb VHAP/lb solids], as applied; and

18.b.ii. Thinners with HAP contents not to exceed 10% by weight; or

18.b.iii. Thinners with HAP contents not to exceed 3% by weight when used to formulate washcoats, basecoats, and enamels on-site.

See Conditions 19, 24 and 25 for monitoring requirements.

19. Monitoring Requirement for Condition 18: In accordance with 40 CFR 63.804(a), the permittee must demonstrate compliance with the provisions of 18 using either of the methods presented in Conditions 19.a or 19.b.

19.a. Calculate the average VHAP content for all finishing materials used at the facility using Equation 1, and maintain a value of E no greater than 1.0; or

$$E = (M_{c1}C_{c1} + M_{c2}C_{c2} + \dots + M_{cn}C_{cn} + S_1W_1 + S_2W_2 + \dots S_nW_n)/(M_{c1} + M_{c2} + \dots + M_{cn})$$

Equation 1

Where:

E = the emission limit achieved by an emission point or a set of emission points, in kg VHAP/kg solids (lb VHAP/lb solids).

M_c = the mass of solids in finishing material (c), used monthly, kg solids/month (lb solids/month).

C_c = the VHAP content of a finishing material (c), in kilograms of volatile hazardous air pollutants per kilogram of coating solids (kg VHAP/kg solids), as supplied. Also given in pounds of volatile hazardous air pollutants per pound of coating solids (lb VHAP/lb solids).

S = the VHAP content of a solvent, expressed as a weight fraction, added to finishing materials.

W = the amount of solvent, in kilograms (pounds), added to finishing materials during the monthly averaging period.

19.b. Use compliant finishing materials according to the following criteria:

19.b.i. Demonstrate that each stain, sealer, and topcoat has a VHAP content of no more than 1.0 kg VHAP/kg solids (1.0 lb VHAP/lb solids), as applied, and each thinner contains no more than 10 percent VHAP by weight by maintaining certified product data sheets for each coating and thinner;

19.b.ii. Demonstrate that each washcoat, basecoat, and enamel that is purchased pre-made, that is, it is not formulated onsite by thinning another finishing material, has a VHAP content of no more than 1.0 kg VHAP/kg solids (1.0 lb VHAP/lb solids), as applied, and each thinner contains no more than 10 percent VHAP by weight by maintaining certified product data sheets for each coating and thinner; and

- 19.b.iii. Demonstrate that each washcoat, basecoat, and enamel that is formulated at the affected source is formulated using a finishing material containing no more than 1.0 kg VHAP/kg solids (1.0 lb VHAP/lb solids) and a thinner containing no more than 3 percent VHAP by weight. [40 CFR 63.804(a)]
20. Applicable Requirement: In accordance with 40 CFR Part 63.802, the permittee must limit VHAP emissions by meeting the following emissions limitations, using the compliance method(s) in Conditions 21 and 25. The permittee must limit VHAP emissions from contact adhesives, excluding aerosol adhesives and excluding contact adhesives applied to nonporous substrates, to a maximum of 1.0 kg VHAP/kg solids (1.0 lb VHAP/lb solids), as applied. [40 CFR 63.802(a)(2)] See Conditions 21, 24 and 25 for monitoring requirements
21. Monitoring for Condition 20: In accordance with 40 CFR 63.804(c), the permittee must monitor compliance with the provisions of Condition 20 by demonstrating (via calculation) that each contact adhesive has a VHAP content no greater than 1.0 kg VHAP/kg solids (1.0 lb VHAP/lb solids), as applied. [40 CFR 63.804(c)]
22. Applicable Requirement: In accordance with 40 CFR Part 63.802, the permittee must limit VHAP emissions by meeting the following emissions limitations, using the compliance method(s) in Conditions 23 and 25. The permittee must limit VOC emissions from strippable spray booth coatings by using coatings that contain no more than 0.8 kg VOC/kg solids (0.8 lb VOC/lb solids), as applied. [40 CFR 63.802(a)(3)] See Conditions 23, 24 and 25 for monitoring requirements
23. Monitoring for Condition 22: The permittee must monitor compliance with the provisions of Condition 22 by demonstrating (via calculation) that each strippable spray booth coating has a VOC content of no more than 0.8 kg VOC/kg solids (0.8 lb VOC/lb solids), as applied.
24. Monitoring for Condition 18, 20, and 22: The permittee must document the VHAP content (or VOC content for strippable spray booth coatings) of wood furniture coating materials by either of the following methods:
- 24.a. The permittee may obtain a certified product data sheet from the supplier for each wood furniture material coating used at this facility. A certified product data sheet means documentation furnished by coating or adhesive suppliers or an outside laboratory that provides the VHAP content of a finishing material, contact adhesive, or solvent, by percent weight, measured using the methods and procedures in Condition 24.b. The reportable VHAP content should represent the maximum aggregate emissions potential of the finishing material, adhesive, or solvent in concentrations greater than or equal to 1.0 percent by weight or 0.1 percent for VHAP that are carcinogens, as defined by the Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910), as formulated. Certified Product Data Sheets and Material Safety Data Sheets may be maintained electronically.
- 24.b. The permittee may perform, or have performed by an outside laboratory, the following test methods and procedures:
- 24.b.i. EPA Method 311 of Appendix A of 40 CFR Part 63 in conjunction with formulation data to determine the VHAP content of the liquid coating. Formulation data shall be used to identify VHAP present in the coating. EPA Method 311 must then be used to quantify those VHAP identified through formulation data. EPA Method 311 shall not be used to quantify HAP such as styrene and formaldehyde that are emitted during the cure.
- 24.b.ii. EPA Method 24 (40 CFR part 60, Appendix A) must be used to determine the solids content by weight and the density of coatings.

- 24.b.iii. If it is demonstrated to the satisfaction of the Department and the EPA Administrator that a coating does not release VOC or HAP byproducts during the cure, for example, all VOC and HAP present in the coating is solvent, then batch formulation information must be accepted.
- 24.b.iv. The permittee may request approval from the Department and the EPA Administrator to use an alternative method for determining the VHAP content of the coating. In the event of any inconsistency between EPA Method 24 and Method 311 test data and a facility's formulation data, that is, if EPA Method 24/311 value is higher, EPA Method 24/311 test shall govern unless after consultation, the permittee could demonstrate to the satisfaction of the Department and EPA that the formulation data were correct.
- 24.b.v. Sampling procedures shall follow the guidelines presented in "Standard Procedures for Collection of Coating and Ink Samples for VOC Content Analysis by Reference Method 24 and Reference Method 24A," EPA-340/1-91-010. (Docket No. A-93-10, Item No. IV-A-1). [40 CFR 63.805(a)]
25. Monitoring for Conditions 18, 20, and 22: In accordance with 40 CFR 63.806, the permittee must fulfill the following recordkeeping requirements:
- 25.a. In complying with the emission limits in Conditions 18, 20, and 22, the permittee must maintain records of the following:
- 25.a.i. A certified product data sheet for each finishing material, thinner, contact adhesive, and strippable spray booth coating subject to the emission limits in Conditions 18, 20, and 22;
- 25.a.ii. The VHAP content, in kg VHAP/kg solids (lb VHAP/lb solids), as applied, of each finishing material and contact adhesive subject to the emission limits in conditions 18 and 20; and
- 25.a.iii. The VOC content, in kg VOC/kg solids (lb VOC/lb solids), as applied, of each strippable booth coating subject to the emission limits in Condition 22. [40 CFR 63.806(b)]
- 25.b. If following the compliance method in Condition 19.a., the permittee must maintain copies of the averaging calculation for each month following the compliance date, as well as the data on the quantity of coatings and thinners used that is necessary to support the calculation of E in Equation 1, Condition 19.a. [40 CFR 63.806(c)]
- 25.c. If using continuous coaters and following the compliance procedures of 40 CFR 63.804(f)(3)(ii) and 63.804(g)(3)(ii), the permittee must maintain records required by 25.a as well as records required by 40 CFR 63.806(d). [40 CFR 63.806(d)]
26. Applicable Requirement: In accordance with 40 CFR 63.803, the permittee must comply with the following work practice standards.
- 26.a. Work practice implementation plan. The permittee must prepare and maintain a written work practice implementation plan that defines environmentally desirable work practices for each wood furniture manufacturing operation and addresses each of the work practice standards presented in paragraphs 26.b. through 26.c. The plan must be developed no more than 60 days after the compliance date. Compliance date means the date by which an affected source is required to be in compliance with a relevant standard, limitation, prohibition, or any federally enforceable requirement. The written work practice implementation plan must be available for inspection by the Department or the EPA Administrator upon request. If the Department or the EPA Administrator determine that the work

practice implementation plan does not adequately address each of the topics specified in paragraphs 26.b through 26.l or that the plan does not include sufficient mechanisms for ensuring that the work practice standards are being implemented, the Department and the EPA Administrator may require permittee to modify the plan. Revisions or modifications to the plan do not require a revision of the permittee's Title V permit. [40 CFR 63.803(a)]

- 26.b. Operator training course. The permittee must train all new and existing personnel, including contract personnel, who are involved in finishing, gluing, cleaning, and washoff operations, use of manufacturing equipment, or implementation of the requirements of 40 CFR Part 63 Subpart JJ. All new personnel, those hired after the compliance date, must be trained upon hiring. All existing personnel, those hired before the compliance date, must be trained within six months of the compliance date. All personnel must be given refresher training annually. The permittee must maintain a copy of the training program with the work practice implementation plan. The training program must include, at a minimum, the following:
- 26.b.i. A list of all current personnel by name and job description that are required to be trained;
 - 26.b.ii. An outline of the subjects to be covered in the initial and refresher training for each position or group of personnel;
 - 26.b.iii. Lesson plans for courses to be given at the initial and the annual refresher training that include, at a minimum, appropriate application techniques, appropriate cleaning and washoff procedures, appropriate equipment setup and adjustment to minimize finishing material usage and over spray, and appropriate management of cleanup wastes; and
 - 26.b.iv. A description of the methods to be used at the completion of initial or refresher training to demonstrate and document successful completion. [40 CFR 63.803(b)]
- 26.c. Inspection and maintenance plan. The permittee must prepare and maintain with the work practice implementation plan a written leak inspection and maintenance plan that specifies:
- 26.c.i. A minimum visual inspection frequency of once per month for all equipment used to transfer or apply coatings, adhesives, or organic HAP solvents;
 - 26.c.ii. An inspection schedule;
 - 26.c.iii. Methods for documenting the date and results of each inspection and any repairs that were made; and
 - 26.c.iv. The time frame between identifying the leak and making the repair, which adheres, at a minimum, to the following schedule:
 - 26.c.iv.A. A first attempt at repair (e.g., tightening of packing glands) must be made no later than five calendar days after the leak is detected; and
 - 26.c.iv.B. Final repairs must be made within 15 calendar days after the leak is detected, unless the leaking equipment is to be replaced by a new purchase, in which case repairs must be completed within three months. [40 CFR 63.803(c)]
- 26.d. Cleaning and washoff solvent accounting system. The permittee must develop an organic HAP solvent accounting form to record:
- 26.d.i. The quantity and type of organic HAP solvent used each month for washoff and cleaning, as defined in 40 CFR 63.801;

26.d.ii. The number of pieces washed off, and the reason for the washoff; and

26.d.iii. The quantity of spent organic HAP solvent generated from each washoff and cleaning operation each month, and whether it is recycled on-site or disposed off-site. [40 CFR 63.803(d)]

- 26.e. Chemical composition of cleaning and washoff solvents. The permittee must not use cleaning or washoff solvents that contain any of the pollutants listed in Table 4 of 40 CFR Part 63 Subpart JJ, in concentrations subject to MSDS reporting as required by OSHA. [40 CFR 63.803(e)]
- 26.f. Spray booth cleaning. The permittee must not use compounds containing more than 8.0 percent by weight of VOC for cleaning spray booth components other than conveyors, continuous coaters and their enclosures, metal filters, or plastic filters unless the spray booth is being refurbished. If the spray booth is being refurbished, that is the spray booth coating or other protective material used to cover the booth is being replaced, the permittee must use no more than 1.0 gallon of organic HAP solvent per booth to prepare the surface of the booth prior to applying the booth coating. [40 CFR 63.803(f)]
- 26.g. Storage requirements. The permittee must use normally closed containers for storing finishing, gluing, cleaning, and washoff materials. [40 CFR 63.803(g)]
- 26.h. Application equipment requirements. The permittee may use conventional air spray guns to apply finishing materials only under any of the following circumstances:
- 26.h.i. To apply finishing materials that have a VOC content no greater than 1.0 lb VOC/lb solids, as applied;
- 26.h.ii. For touch-up and repair under the following conditions:
- 26.h.ii.A. The touch-up and repair occurs after completion of the finishing operation; or
- 26.h.ii.B. The touch-up and repair occurs after the application of stain and before the application of any other type of finishing material, and the materials used for touch-up and repair are applied from a container that has a volume of no more than 2.0 gallons.
- 26.h.iii. When spray is automated, that is, the spray gun is aimed and triggered automatically, not manually;
- 26.h.iv. When emissions from the finishing application station are directed to a control device;
- 26.h.v. The conventional air spray gun is used to apply finishing materials and the cumulative total usage of that finishing material is no more than 5.0 percent of the total gallons of finishing material used during that semiannual period; or
- 26.h.vi. The conventional air spray gun is used to apply stain on a part for which it is technically or economically infeasible to use any other spray application technology. The permittee must demonstrate technical or economic infeasibility by submitting to the Department and the EPA Administrator a videotape, a technical report, or other documentation that supports the permittee's claim of technical or economic infeasibility. The following criteria shall be used, either independently or in combination, to support the permittee's claim of technical or economic infeasibility:
- 26.h.vi.A. The production speed is too high or the part shape is too complex for one operator to coat the part and the application station is not large enough to accommodate an additional operator; or

- 26.h.vi.B. The excessively large vertical spray area of the part makes it difficult to avoid sagging or runs in the stain. [40 CFR 63.803(h)]
- 26.i. Line cleaning. The permittee must pump or drain all organic HAP solvent used for line cleaning into a normally closed container. [40 CFR 63.803(i)]
- 26.j. Gun cleaning. The permittee must collect all organic HAP solvent used to clean spray guns into a normally closed container. [40 CFR 63.803(j)]
- 26.k. Washoff operations. The permittee must control emissions from washoff operations by:
- 26.k.i. Using normally closed tanks for washoff; and
- 26.k.ii. Minimizing dripping by tilting or rotating the part to drain as much solvent as possible. [40 CFR 63.803(k)]
- 26.l. Formulation assessment plan for finishing operations: The permittee must prepare and maintain with the work practice implementation plan a formulation assessment plan that:
- 26.l.i. Identifies VHAP from the list presented in Table 5 of 40 CFR part 63 subpart JJ that are being used in finishing operations by the affected source;
- 26.l.ii. Establishes a baseline level of usage by the affected source, for each VHAP identified in condition 26.l.i. The baseline usage level must be the highest annual usage from 1994, 1995, or 1996, for each VHAP identified in condition 26.l.i. For formaldehyde, the baseline level of usage must be based on the amount of free formaldehyde present in the finishing material when it is applied. For styrene, the baseline level of usage must be an estimate of unreacted styrene, which shall be calculated by multiplying the amount of styrene monomer in the finishing material, when it is applied, by a factor of 0.16.
- 26.l.iii. Tracks the annual usage of each VHAP identified in condition 26.l.i by the affected source that is present in amounts subject to MSDS reporting as required by OSHA.
- 26.l.iv. If, after November 1998, the annual usage of the VHAP identified in condition 26.l.i exceeds its baseline level, then the permittee shall provide a written notification to the Department that describes the amount of the increase and explains the reasons for exceedance of the baseline level. The following explanations would relieve the permittee from further action, unless the affected source is not in compliance with any State regulations or requirements for that VHAP:
- 26.l.iv.A. The exceedance is no more than 15.0 percent above the baseline level;
- 26.l.iv.B. Usage of the VHAP is below the de minimus level presented in Table 5 of 40 CFR part 63 subpart JJ for that VHAP;
- 26.l.iv.C. The permittee is in compliance with its State's air toxic regulations or guidelines for the VHAP; or
- 26.l.iv.D. The source of the pollutant is a finishing material with a VOC content of no more than 1.0 kg VOC/kg solids (1.0 lb VOC/lb solids), as applied.
- 26.l.v. If none of the above explanations are the reason for the increase, the permittee must confer with the Department to discuss the reason for the increase and whether there are practical and reasonable technology-based solutions for reducing the usage. The evaluation of

whether a technology is reasonable and practical must be based on cost, quality, and marketability of the product, whether the technology is being used successfully by other wood furniture manufacturing operations, or other criteria mutually agreed upon by the Department and permittee. If there are no practical and reasonable solutions, the facility need take no further action. If there are solutions, the permittee shall develop a plan to reduce usage of the pollutant to the extent feasible. The plan must address the approach to be used to reduce emissions, a timetable for implementing the plan, and a schedule for submitting notification of progress.

- 26.l.vi. If after November 1998, the permittee uses a VHAP of potential concern listed in table 6 of 40 CFR part 63 subpart JJ for which a baseline level has not been previously established, then the baseline level must be established as the de minimus level provided in that same table for that chemical. The affected source shall track this annual usage of each VHAP of potential concern identified in this condition that is present in amounts subject to MSDS reporting as required by OSHA. If usage of the VHAP of potential concern exceeds the de minimus level listed in table 6 of 40 CFR part 63 subpart JJ for that chemical, then the affected source must provide an explanation to the Department that documents the reason for the exceedance of the de minimus level. If the explanation is not one of those listed in conditions 26.l.iv.A through 26.l.iv.D, the permittee must follow the procedures in condition 26.l.v.
27. Monitoring for Conditions 26: In accordance with 40 CFR 63.806, the permittee must maintain on-site the work practice implementation plan required by Condition 26.a. and all records associated with fulfilling the requirements of that plan, including:
- 27.a. Records demonstrating that the operator training program required by condition 26.b is in place;
 - 27.b. Records collected in accordance with the inspection and maintenance plan required by condition 26.c;
 - 27.c. Records associated with the cleaning solvent accounting system required by condition 26.d;
 - 27.d. Records associated with the limitation on the use of conventional air spray guns showing total finishing material usage and the percentage of finishing materials applied with conventional air spray guns for each semiannual period as required by Condition 26.h.
 - 27.e. Records associated with the formulation assessment plan required by Condition 26.l; and
 - 27.f. Copies of documentation such as logs developed to demonstrate that the other provisions of the work practice implementation plan are followed. [40 CFR 63.806(e)]
28. The permittee must maintain records of the compliance certifications submitted in accordance with Conditions 50.a for each semiannual period following the compliance date. [40 CFR 63.806(h)]
29. The permittee must maintain records of all other information submitted with the compliance status report required by Conditions 50.a. [40 CFR 63.806(i)]

General Emissions Limits and Standards That Apply to Insignificant Activities:

30. Applicable Requirement: The Department acknowledges that insignificant emissions units (IEUs) identified by rule as either categorically insignificant activities or aggregate insignificant emissions [OAR 340-200-0020] exist

at facilities required to obtain an Oregon Title V Operating Permit. IEUs must comply with all applicable requirements. In general, the requirements that could apply to IEUs are incorporated as follows:

- 30.a. OAR 340-208-0110 (20% opacity/3 minutes)
 - 30.b. OAR 340-208-0600 (20% opacity/30 seconds)
 - 30.c. OAR 340-228-0210 (0.1 gr/dscf corrected to 12% CO₂ or 50% excess air for fuel burning equipment)
 - 30.d. OAR 340-226-0210 (0.1 gr/dscf for non-fugitive, non-fuel burning equipment)
 - 30.e. OAR 340-226-0310 (process weight limit for non-fugitive, non-fuel burning process equipment)
31. Testing, Monitoring, and Recordkeeping Requirements for Condition 30: Unless otherwise specified in this permit or an applicable requirement, the Department is not requiring any testing, monitoring, recordkeeping, or reporting for the applicable emissions limits and standards that apply to IEUs. However, if testing were performed for compliance purposes, the permittee would be required to use the test methods identified in the definitions of “opacity” and “particulate matter” in OAR 340-208-0010 and perform the testing in accordance with the Department’s Source Sampling Manual.

PLANT SITE EMISSION LIMITS

32. The permittee must not exceed the following annual Plant Site Emission Limits (PSELs) for each 12 consecutive calendar month period. These limits include a 1 ton allotment for aggregate insignificant emissions. [OAR 340-222-0040 through OAR 340-222-0043]

Table 4.

Pollutant	PSEL (tons/yr)	Unassigned Emissions (tons/yr)	Emission Reduction Credit (tons/yr)
PM	49	0	0
PM ₁₀	46	0	0
SO ₂	39	0	0
CO	99	0	0
NO _x	44	0	0
VOC	253	0	0

- 32.a. If the fee for emission of SO₂ is based on the PSEL, the fee can be based on 3 tons per year provided that actual emissions, including insignificant activities, are less than 3 tons per year. If actual SO₂ emissions exceed 3 tons per year and if fees are paid on the PSEL, then the fee for emission of SO₂ must be based on the 39 tons per year.

See Condition 33 for monitoring requirements.

33. The permittee must determine compliance with PSELs in accordance with the following procedures, test methods, and frequencies:
- 33.a. The permittee must maintain records of the following process parameters:

Table 5.

Process parameter	Units
Coating and solvent usage	gallons/month, gallons/yr
Cabinet production	cabinets/month, cabinets/yr
Fuel usage	standard cubic foot(scF)/month, scF/yr
Baghouse throughput	BDT/month, BDT/yr

33.b. The permittee must monitor compliance with the VOC PSEL (Conditions 32) in accordance with the following material balance recordkeeping procedures and calculations:

33.b.i. The permittee must maintain monthly records of the amount of each coating used; the density of the coatings, and the VOC content of the coatings.

33.b.ii. The VOC content of the materials must be determined by certified product data sheets (mid-range value) or EPA Method 24.

33.b.iii. VOC PSEL must be monitored using the following equation:

$$E = \sum(C_i \times d_i \times \text{VOC}_i) \times K$$

where:

E = volatile organic compounds emission, (tons/mo. or tons/yr);

C_i = amount of VOC containing material i used in the process, (gallons/mo. and gallons/yr);

d_i = density of VOC containing material i used in the process, (lb/gallon);

VOC = VOC in VOC containing material i, (wt/wt);

K = conversion constant: 1 ton/2000 lbs.

33.c. The permittee must determine compliance with the PSELs (other than VOC) by calculating emissions for each emissions units using the following formula, process parameters measured in Condition 33.a, and the emission factors listed in condition 33.e:

$$E = P_{eu} \times EF_{eu} \times K$$

where:

E = pollutant emissions, (tons/mo., or tons/yr)

P_{eu} = process parameter identified in condition 33.a.

EF_{eu} = emission factor identified for each emissions unit and pollutant in condition 33.e.

K = conversion constant: 1 ton/2000 lbs.

33.d. Instead of calculating the emissions each week or month of operation, the permittee may establish process limits, below which the emissions would be less than the PSEL and the VOC content of coatings would be less than RACT, and monitor only the process rates identified in condition 33.a. The permittee must calculate the emissions in accordance with conditions 33.b and 33.c. upon request by the Department.

33.e. Emission factors for calculating pollutant emissions:

Table 6

Emissions unit	Pollutant	Emission factor	Units
EU1	PM/PM ₁₀	0.24*	lb/gal
EU2 baghouse	PM/PM ₁₀	0.001	lb/BDT
EU4	PM	10.22	lb/1000 cabinets
	PM ₁₀	3.68	lb/1000 cabinets
EU5	CO	84	lb/MMscf
	NO _x	100	lb/MMscf

* Assuming filter media to 90% efficient in capturing particulate

REASONABLY AVAILABLE CONTROL TECHNOLOGY (RACT) STANDARDS [OAR 340-232-0040]

34. **Applicable Requirement:** The permittee must not apply any coatings to wood furniture products, kitchen cabinets and associated decorative hardwood components, which contain volatile organic compound content in excess of the following limits specified in Table 7, based on monthly usage, except individual coating categories may exceed the specified limits of Table 7 if there is a corresponding decrease in the actual VOC content of other coating categories such that total VOC emissions do not increase above the levels which would have been achieved had only compliant coatings been used (i.e.: $\sum \text{coating}_i \times \text{VOC content}_i \leq \sum \text{compliant coating} \times \text{VOC limit in Table 7}$).

Table 7:

COATINGS CATEGORY	LB VOC/GAL (approx. equivalent) ^a	LB VOC/LB SOLID
Water Based Topcoats	(3.0)	0.8
Pigmented Coatings	4.5	NA
High Solids Topcoats ^b	NA	1.8
Alkyd Amino Vinyl Topcoats	(5.0)	2.0
High solids Sealers	(5.1)	1.9
Alkyd Amino Sealers	(5.4)	2.3
Sealers used with Water Based Topcoats	5.6	NA

- a. As applied. The approximate equivalent, shown in parentheses, is calculated using the standard solvent density of 7.36 lb/gal and the density of the solid material in typical coatings of the category. The lb VOC/gal should be used to estimate emissions (for replacement and/or substitution purposes, etc.). The permittee must comply with the limits stated in the table above in lb VOC/lb solid for calculation of actual facility emissions.

- b. High solids topcoats other than alkyd amino vinyl topcoats.

See Condition 38 for monitoring requirements.

35. Applicable Requirement: All coating limits are measured at the point of application to the product, using one of the following methods of application:

- 35.a. brush, dip, or roller coat;
- 35.b. wiping;
- 35.c. electrostatic spray coat;
- 35.d. high-volume low-pressure (HVLV); or
- 35.e. other application methods using the most transfer-efficient method feasible for the specific coating.

36. Applicable Requirement: Conventional air spray guns must not be used for applying coatings except for the following:

- 36.a. water based and high solids coatings, where higher transfer efficiency technology is not feasible, this does not relieve the permittee from using high transfer efficiency technology when it becomes available.
- 36.b. final touch-up and repair;
- 36.c. when add-on controls are employed;
- 36.d. the cumulative application is less than 5 % of the total gallons of solvent-based coatings used annually.

See Condition 46.m for monitoring requirements.

37. Applicable Requirement: The permittee must not use VOC containing materials for the cleanup of equipment used in coating operations unless:

- 37.a. a solvent recovery still is in operation at the facility, or a recycling firm is employed to recover waste solvents;
- 37.b. the spray equipment is cleaned in (or into) a normally closed solvent container;
- 37.c. the cleaned equipment is drained and the returned solvent is stored in a normally closed container; and
- 37.d. all other cleaning operations are conducted in such a manner as to minimize VOC evaporation.

See Condition 46.n for monitoring requirements.

38. Monitoring Requirement for Condition 34: The permittee must monitor compliance with RACT limitations monthly, in accordance with the following material balance recordkeeping procedures and calculations:

- 38.a. The VOC content of coatings must be calculated on an "as applied" basis, less water and less exempt solvents. "As applied" means the coating formulation as it exits the spray gun, after thinning or addition of catalyst in the spray gun head.

- 38.a.i. The equation for solvent-borne coatings is as follows:

$$\text{Equation 2} \quad V_s = (1 - (S + X)) \times d$$

where:

V_s = total VOC content (lb/gal) less exempt solvents

S = weight fraction solids of coating

X = weight fraction exempt solvents of coating

d = density of coating (lb/gal)

38.a.ii. The equation for water-borne coatings is as follows:

$$\text{Equation 3} \quad V_{nw} = (v_s \times d_s) / (1 - v_w)$$

where:

V_{nw} = total VOC content (lb/gal), for coating excluding water.

v_s = non-exempt solvent volume fraction

d_s = non-exempt solvent density (lb/gal)

v_w = volume fraction water of coating

38.a.iii. The equation for determining solids content is as follows:

$$\text{Equation 4} \quad S_c = S \times d$$

where:

S_c = Total solids content, lbs solids/gallon coating

S = weight fraction solids of coating

d = density of coating (lb/gal)

38.a.iv. For calculating compliance with Condition 34, Table 7 limits, use one, or both of the following equations:

$$\text{Equation 5} \quad R = V_s / S_c$$

$$\text{Equation 6} \quad R = V_{nw} / S_c$$

where:

R = lbs VOC per lb solids

V_s = VOC content per Equation 2

V_{nw} = VOC content per Equation 3

S_c = solids content, lbs solids/gallon coating

For two component mixtures, a weighted average using the mix ratio shall be calculated, and corrected to an "as applied" basis, less water and exempt solvents, using the above equations.

GENERAL TESTING REQUIREMENTS

39. Although source testing is not required by this permit for the permit conditions listed below, 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
30	EPA Method 9	aggregate of 30 seconds or three minutes in any 60 minute period	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.
14, 15 and 30	ODEQ Methods 5, 7, or 8	average of three one-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.

40. Unless otherwise specified in this permit, the permittee must conduct all testing in accordance with the Department's Source Sampling Manual. [OAR 340-212-0120]
- 40.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.
- 40.b. Unless otherwise specified by permit condition or Department approved source test plan, all compliance source tests must be performed at maximum operating rates (90 to 110% of device design capacity).
- 40.c. Each source test must consist of at least three (3) test runs and the emissions results must be reported as the arithmetic average of all valid test runs. If for reasons beyond the control of the permittee a test run is invalid, the Department may accept two (2) test runs for demonstrating compliance with the emission limit or standard.
- 40.d. Source test reports prepared in accordance with the Department's Source Sampling Manual must be submitted to the Department within 45 days of completing any required source test, unless a different time period is approved in the source test plan submitted prior to the source test.

GENERAL MONITORING AND RECORDKEEPING REQUIREMENTS [OAR 340-218-0050(3)(a) and (b)]

41. Monitoring Requirements:
- 41.a. The permittee must not knowingly render inaccurate any required monitoring device or method. [OAR 340-218-0050(3)(a)(E)]
- 41.b. 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)]
- 41.c. 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)]

42. The permittee must maintain the following general records of testing and monitoring required by this permit: [OAR 340-218-0050(3)(b)(A)]
- 42.a. the date, place as defined in the permit, and time of sampling or measurements;
 - 42.b. the date(s) analyses were performed;
 - 42.c. the company or entity that performed the analyses;
 - 42.d. the analytical techniques or methods used;
 - 42.e. the results of such analyses;
 - 42.f. the operating conditions as existing at the time of sampling or measurement; and
 - 42.g. The records of quality assurance for continuous monitoring systems (including but not limited to quality control activities, audits, calibration drift checks).
43. Unless otherwise specified by permit condition, the permittee must make every effort to maintain 100 percent of the records required by the permit. If information is not obtained or recorded for legitimate reasons (e.g., the monitor or data acquisition system malfunctions due to a power outage), the missing record(s) must not be considered a permit deviation provided the amount of data lost does not exceed 10% of the averaging periods in a reporting period or 10% of the total operating hours in a reporting period, if no averaging time is specified. Upon discovering that a required record is missing, the permittee must document the reason for the missing record. In addition, any missing record that can be recovered from other available information shall not be considered a missing record. [OAR 340-214-0110, 340-212-0160, and 340-218-0050(3)(b)]
44. Recordkeeping requirements must commence on the date of permit issuance unless otherwise specified in the permit or an applicable requirement. [OAR 340-218-0050(3)(b)(C)]
45. Unless otherwise specified, the permittee must 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 for continuous monitoring instrumentation, and copies of all reports and notifications required by the permit. For the records, reports and notifications required by Conditions 19, 21, 23, 25, 27 and 50.a, the permittee must retain, at a minimum, the most recent 2 years of data onsite. The remaining 3 years of data may be retained offsite. Such files may be maintained on microfilm, on a computer, on computer floppy disks, on magnetic tape disks, or on microfiche. [OAR 340-218-0050(b)(B)]
46. The permittee must maintain the following specific records of required monitoring information:
- 46.a. Certified product data sheets;
 - 46.b. monthly and annual usage records of all coatings, thinners, cleaning and surface preparation material used, and lb VOC/lb solid, as applied. Separate recording of each category of coating listed in Table 7 in Condition 34 is required. The use of conventional air spray to apply coatings not exempted in Condition 36 must be kept in a separate log;
 - 46.c. monthly and annual VOC emissions (lbs or tons);

- 46.d. monthly and annual usage records of natural gas;
- 46.e. density (lb/gallon) and VOC content (%) of all coatings and solvents used in the process;
- 46.f. complaint log and investigation reports;
- 46.g. visible emissions observation and corrective action log;
- 46.h. spray booth maintenance log;
- 46.i. monthly and annual cabinet productions;
- 46.j. a description of any maintenance to the air contaminant control systems (recorded on occurrence);
- 46.k. an inventory of all VOC-containing hazardous and non-hazardous wastes shipped offsite (lbs, percent VOC by weight);
- 46.l. records required by 40 CFR 63.803 and 63.806, and Conditions 24, 25, and 27;
- 46.m. records of coating application methods; and
- 46.n. solvent recovery/control method used for equipment cleaning.

REPORTING REQUIREMENTS

Semi-annual and Annual Reports

- 47. The permittee must submit four (4) copies of reports of any required monitoring at least every 6 months, completed on forms approved by the Department. Six month periods are January 1 to June 30, and July 1 to December 31. One copy of the report must be submitted to the Air Quality Division, two copies to the regional office, and one copy to the EPA. All instances of deviations from permit requirements must be clearly identified in such reports: [OAR 340-218-0050(3)(c)(A) and 340-218-0080(6)(d)]
 - 47.a. The first semi-annual report is due on August 30 and must include:
 - 47.a.i. the semi-annual compliance certification for the first half of the year as set forth in Condition 49, OAR 340-218-0080; and
 - 47.a.ii. the semi-annual NESHAP report as set forth in Condition 50. [40 CFR 63.807]
 - 47.b. The annual report, including the second semi-annual report, is due on March 15 and must include:
 - 47.b.i. the semi-annual compliance certification for the second half of the year as set forth in Condition 49;
 - 47.b.ii. the annual report data set forth in Condition 48;
 - 47.b.iii. the second semi-annual NESHAP report for the second half of the year as set forth in Condition 48 [40 CFR 63.806]

48. Annual report requirements:
- 48.a. the emission fee report; [OAR 340-220-0100]
 - 48.b. the NO_x and VOC emission statement, if applicable; [OAR 340-214-0220];
 - 48.c. the excess emissions upset log; [OAR 340-214-0340]
 - 48.d. the second semi-annual compliance certification as set forth in Condition 49; [OAR 340-218-0080]
 - 48.e. the annual certification that the risk management plan is being properly implemented, if required; OAR 340-244-0230. [OAR 340-218-0080(7)]
 - 48.f. total plant operating time;
 - 48.g. average plant operating schedule (hours/day, days/week, weeks);
 - 48.h. annual records of natural gas usage;
 - 48.i. annual BDT of baghouse throughput;
 - 48.j. plant production of kitchen cabinet and bathroom vanities (coated cabinets/month and annual total);
 - 48.k. total coated finished product (type and sq ft/yr). Square footage may be estimated using an average size cabinet as basis;
 - 48.l. type and amount of coatings and solvents used (gal/yr) with the weight per gallon, percent VOC by weight, and lbs VOC/lbs solids, on an "as applied" basis calculated as shown in Condition 33.b. Separate reporting for each category listed in Table 7 in Condition 34 is required.;
 - 48.m. report the method of coating application for each coating type (such as, water based topcoat: Air Assisted Airless, sealers: HVLP). Report the gallons of each type of coating which were applied with conventional air spray technology, as recorded in Condition 46.b. For any solvent-based coating that is applied with a conventional air spray technology, please explain why a higher transfer efficiency technology was not used;
 - 48.n. a list of all major maintenance performed on air pollution equipment;
 - 48.o. a statement that high efficiency transfer technology, including new application methods introduced in the previous year, is being used throughout the plant. Identify any application enhancements implemented in the previous year;
 - 48.p. annual records of raw materials used (coating and solvent quantities, density, and VOC content);
 - 48.q. summary of all solvent (VOC) containing wastes shipped offsite, including annual tests results to verify the VOC content (gal, lbs VOC/gal);
 - 48.r. annual VOC and HAPs emissions report including the quantity (pounds) and VOC and HAPs percent (% by wt) of each raw materials used that contains VOC and HAPs;
 - 48.s. any nuisance (fugitive and odors) complaints not resolved within 5 days of receiving the complaint; and

- 48.t. annual emissions for each 12 consecutive calendar month period ending in the calendar year for each pollutant with a PSEL set forth in Condition 32.
49. The semi-annual compliance certifications must 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)]
- 49.a. The identification of each term or condition of the permit that is the basis of the certification;
- 49.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 must 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 not yet in the permit. When certifying compliance with new applicable conditions that are not yet in the permit, the permittee must provide the information required by this condition.* If necessary, the owner or operator also must 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;
- 49.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 Condition 49.b. The certification must identify each deviation and take it into account in the compliance certification. The certification must 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;
- 49.d. Such other facts as the Department may require to determine the compliance status of the source; and
- 49.e. Notwithstanding any other provision contained in any applicable requirement, the owner or operator may use monitoring as required under OAR 340-218-0050(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);
50. The permittee must submit a semi-annual and annual continuous NESHAP compliance demonstration report covering the previous 6 months of wood furniture manufacturing operations. The report must include the following:
- 50.a. The semiannual reports must include a statement of whether the source was in compliance or noncompliance. If the source was in noncompliance the report must include the measures taken to bring the source into compliance, and the following information:
- 50.a.i. If complying with the provisions of Condition 18 through the procedures established in Condition 19.a., the permittee must demonstrate continuous compliance by submitting the results of the averaging calculation (Equation 1) for each month within that semiannual period and submitting a compliance certification with the semiannual report. The compliance certification must state that the value of (E), as calculated by Equation 1, Condition 19.a., is no greater than 1.0 lb VHAP/lb solids for existing sources. The permittee is in violation of the standard if E is greater than 1.0 lb VHAP/lb solids for existing sources for any month. A violation of the monthly average is a separate

violation of the standard for each day of operation during the month, unless the source can demonstrate through records that the violation of the monthly average can be attributed to a particular day or days during the period.

- 50.a.ii. If complying with the provisions of Condition 18 through the procedures established in Condition 19.b., the permittee must demonstrate continuous compliance by using compliant coatings and thinners, maintaining records that demonstrate the coatings and thinners are compliant, and submitting a compliance certification with the semiannual report. The compliance certification must state that compliant stains, washcoats, sealers, topcoats, basecoats, enamels, and thinners, as applicable, have been used each day in the semiannual reporting period or should otherwise identify the periods of noncompliance and the reasons for noncompliance. The permittee is in violation whenever a non-compliant coating, as demonstrated by records or by a sample of the coating, is used.
 - 50.a.iii. If complying with the provisions of Condition 18 through the procedures established in Condition 19.b. and using a continuous coater, the permittee must demonstrate continuous compliance in accordance with 40 CFR 63.804(g)(3).
 - 50.a.iv. If complying with the provisions of Condition 20 through the procedures established in Condition 21, the permittee must submit a compliance certification with the semiannual report. The compliance certification must state that compliant contact and/or foam adhesives have been used each day in the semiannual reporting period, or should otherwise identify each day non-compliant contact and/or foam adhesives were used. Each day a non-compliant contact or foam adhesive is used is a single violation.
 - 50.a.v. In complying with the provisions of Condition 22, the permittee must submit a compliance certification with the semiannual report. The compliance certification must state that compliant strippable spray booth coatings have been used each day in the semiannual reporting period, or should otherwise identify each day non-compliant materials were used. Each day a non-compliant strippable booth coating is used is a single violation.
 - 50.a.vi. In complying with the provisions of Condition 26, the permittee must submit a compliance certification with the semiannual report. The compliance certification must state that the work practice standards required by Condition 26 is being followed, or should otherwise identify the provisions of the plan that have not been implemented and each day the provisions were not implemented. During any period of time that the permittee is required to implement the provisions of the plan, each failure to implement an obligation under the plan during any particular day is a violation. [40 CFR 63.804(g)]
 - 50.b. The frequency of the reports required by this section must not be reduced from semiannually regardless of the history of the permittee's compliance status. [40 CFR 63.807(c)]
 - 50.c. If required to provide a written notification under Condition 26.l., the permittee must include in the notification one or more statements that explains the reasons for the usage increase. The notification must be submitted to the Department and the EPA Administrator no later than 30 calendar days after the end of the annual period in which the usage increase occurred. [40 CFR 63.807(e)]
51. NESHAP Initial notifications. The permittee must maintain evidence that the Department and the EPA Administrator were notified in writing that the source is subject to 40 CFR Part 63 Subpart JJ, by no later than September 2, 1996. The notification must have provided the following information:

- 51.a. The name and address of the owner or operator;
 - 51.b. The address (i.e., physical location) of the source;
 - 51.c. An identification of the relevant standard, or other requirement, that is the basis of the notification and the source's compliance date;
 - 51.d. A brief description of the nature, size, design, and method of operation of the source, including its operating design capacity and an identification of each point of emission for each hazardous air pollutant, or if a definitive identification is not yet possible, a preliminary identification of each point of emission for each hazardous air pollutant; and
 - 51.e. A statement of whether the source is a major source or an area source. [40 CFR 63.9(b)(2)]
52. Any change in the information provided under Conditions 50, and 51 must be provided to the Department and the EPA Administrator in writing within 15 calendar days after the change. [40 CFR 63.9(j)]
53. Notwithstanding any other provision contained in any applicable requirement, the owner or operator may use monitoring as required under OAR 340-218-0050(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)]
54. Excess Emissions Reporting [OAR 340-214-0300 through 340-214-0360]
- 54.a. The permittee must report all excess emissions in accordance with OAR 340-214-0300 through 340-214-0360. 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 the Department 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 must be made in accordance with Department direction and OAR 340-214-0330(2) and 340-214-0340.
 - 54.b. 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 must immediately notify the Department by calling the Oregon Accident Response System (OARs). The current number is 1-800-452-0311.
 - 54.c. If startups, shutdowns, or scheduled maintenance may result in excess emissions, the permittee must submit startup, shutdown, or scheduled maintenance procedures used to minimize excess emissions to the Department for prior authorization, as required in OAR 340-214-0310 and 340-214-0320. New or modified procedures must be received by the Department in writing at least 72 hours prior to the first occurrence of the excess emission event. The permittee must abide by the approved procedures and have a copy available at all times.
 - 54.d. The permittee must maintain and submit to the Department a log of planned and unplanned excess emissions, on Department approved forms, in accordance with OAR 340-214-0340.

55. The permittee must 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" means within seven (7) days of the deviation. Deviations that cause excess emissions, as specified in OAR 340-214-0300 through 340-214-0360 must be reported in accordance with OAR 340-214-0340. [OAR 340-218-0050(3)(c)(B)]
56. The permittee must submit any required source test report within 45 days after the source test; unless otherwise approved in the source test plan. [OAR 340-218-0050(3)(c)(C) and 340-212-0120]
57. All required reports must be certified by a responsible official consistent with OAR 340-218-0040(5);[OAR 340-218-0050(3)(c)(D)]
58. Reporting requirements must commence on the date of permit issuance unless otherwise specified in the permit. [OAR 340-218-0050(3)(c)(E)]
59. Addresses of regulatory agencies are the following, unless otherwise instructed:

DEQ – Northwest Region
2020 SW 4th , Suite 400
Portland, OR 97201
(503) 229-5263

DEQ – Air Quality Division
811 SW Sixth Avenue
Portland, OR 97204
(503) 229-5359

Air Operating Permits
US Environmental Protection Agency
Mail Stop OAQ-108
1200 Sixth Avenue
Seattle, WA 98101

NON-APPLICABLE REQUIREMENTS

60. State and Federal air quality requirements (e.g., rules and regulations) currently determined not applicable to the permittee are listed below along with the reason for the non-applicability: [OAR 340-218-0110]

<u>Applicable Requirement</u>	<u>Reason Code</u>	<u>Applicable Requirement</u>	<u>Reason Code</u>	<u>Applicable Requirement</u>	<u>Reason Code</u>	<u>Applicable Requirement</u>	<u>Reason Code</u>
OAR Chapter 340:		Division 226:		Division 242:	c	40 CFR	
Division 202		0130	b	0520	e	Part 55	b
all rules	i	Division 228:		0620 and 0630	e	Part 57	b
Division 208		0100-0130	f	Division 256:	b	Part 60, except subparts A, and appendixes	b
0520	b	0200	e	All rules	b	Part 61, except subpart A, M, and appendixes	b
0570	b	0300	b	Division 258:		Part 63, except subpart A, JJ and appendixes	
0650-0670	d	Division 230:		All rules	b	Part 72 through 76	b
Division 216		All rules	e	Division 260:		Part 77	b
0060	b	Division 232:		All rules	e	Part 78	b
0080	b	0070-0240	e	Division 262		Part 82, except subpart F	b
Division 218:		Division 234:		All rules	e	Part 85 through 89	b
0090	b	All rules	b	Division 264			
0100	b	Division 236:		0100-0130	d		
Division 222		All rules	b	0150-0170	d		
0060	h	Division 240:		Division 266			
		0100-0440	c	All rules	b		

Reason code definitions:

- a this pollutant is not emitted by the facility
- b the facility is not in this source category
- c the facility is not in a special control/nonattainment area
- d the facility is not in this county
- e the facility does not have this emissions unit
- f the facility does not use this fuel type
- g the rule does not apply because no changes have been made at the facility that would trigger these procedural requirements
- h this method/procedure is not used by the facility
- i this rule applies only to DEQ and regional authorities
- j. there are no emissions units with add-on control devices or the pre-controlled potential emissions are is less than 100 tons per year or the emissions units with add-on control devices and pre-controlled emissions greater than 100 tons per year are subject to emissions standards promulgated after November of 1990

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] This condition is enforceable only by the State.

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 the Department 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 the Department 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. the Department, 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. the provisions of ORS 468.115 (enforcement in cases of emergency) and ORS 468.035 (function of department);
 - ii. the 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. the applicable requirements of the national acid rain program, consistent with section 408(a) of the FCAA; or
 - iv. the ability of the Department 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 the Department.

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 Department of Environmental Quality, 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 Oregon 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. as authorized by the FCAA or state rules, sample or monitor, 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 Department of Environmental Quality, Business Office, 811 SW 6th Avenue, Portland, OR 97204, within 30 days of the date the Department 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 the Department of Environmental Quality. 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 the Department 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 G9 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 the Department and the EPA in accordance with OAR 340-218-0140(3)(b).
- c. The permit shield of condition G9 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 the Department 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 the Department 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 the Department, within a reasonable time, any information that the Department 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 the Department copies of records required to be retained by the permit or, for information claimed to be confidential, the permittee may furnish such records to the Department 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 the Department.
- 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 the Department requests an earlier submittal. If more than 12 months is required to process a permit renewal application, the Department 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 Oregon Title V Operating Permit and must provide a copy of the permit to the Department or an authorized representative upon request.

ALL INQUIRIES SHOULD BE DIRECTED TO:

Northwest Region
2020 SW 4th Avenue, Suite 400
Portland, Oregon 97201
(503) 229-5263

Attachment 1

Cross-reference from New Rule Numbers to Old Rule Numbers (Effective October 14, 1999)

New Rule Number	Old Rule Number	New Rule Number	Old Rule Number	New Rule Number	Old Rule Number	New Rule Number	Old Rule Number
200-0020	020-0205	208-0520	030-0420	214-0300	028-1400	220-0070	028-2620
200-0020	028-0110	208-0530	030-0430	214-0310	028-1410	220-0080	028-2630
200-0030	020-0003	208-0540	030-0440	214-0320	028-1420	220-0090	028-2640
200-0040	020-0047	208-0550	030-0450	214-0330	028-1430	220-0100	028-2650
200-0050	028-0700	208-0560	030-0460	214-0340	028-1440	220-0110	028-2660
200-0100	020-0200	208-0570	030-0470	214-0350	028-1450	220-0120	028-2670
200-0110	020-0210	208-0580	030-0480	214-0360	028-1460	220-0130	028-2680
200-0120	020-0215	208-0590	030-0490	216-0010	028-1700	220-0140	028-2690
202-0010	031-0005	208-0600	030-0500	216-0020	028-1720	220-0150	028-2700
202-0050	031-0010	208-0610	030-0510	216-0040	028-1770	220-0160	028-2710
202-0060	031-0015	208-0620	030-0520	216-0050	028-1710	220-0170	028-2720
202-0070	031-0020	208-0630	030-0530	216-0060	028-1725	220-0180	028-2730
202-0080	031-0025	208-0640	030-0540	216-0070	028-1730	220-0190	028-2740
202-0090	031-0030	208-0650	030-0600	216-0080	028-1740	222-0010	028-1000
202-0100	031-0040	208-0660	030-0610	216-0090	028-1750	222-0020	028-1010
202-0110	031-0045	208-0670	030-0620	216-0100	028-1790	222-0040	028-1020
202-0120	031-0050	210-0010	028-0200	218-0010	028-2100	222-0050	028-1040
202-0130	031-0055	210-0100	028-0500	218-0020	028-2110	222-0060	028-1050
202-0200	031-0100	210-0110	028-0510	218-0040	028-2120	222-0070	028-1060
202-0210	031-0110	210-0120	028-0520	218-0050	028-2130	224-0010	028-1900
202-0220	031-0115	210-0200	028-0800	218-0060	028-2140	224-0030	028-1910
204-0010	031-0500	210-0210	028-0810	218-0070	028-2150	224-0040	028-1920
204-0020	031-0510	210-0220	028-0820	218-0080	028-2160	224-0050	028-1930
204-0030	031-0520	212-0110	028-0900	218-0090	028-2170	224-0060	028-1935
204-0040	031-0530	212-0120	028-1100	218-0100	028-2180	224-0070	028-1940
204-0050	031-0120	212-0130	028-1110	218-0110	028-2190	224-0080	028-1950
204-0060	031-0130	212-0140	028-1120	218-0120	028-2200	224-0090	028-1970
204-0070	021-0010	212-0150	028-1130	218-0130	028-2210	224-0100	028-1990
204-0080	024-0301	212-0160	028-1140	218-0140	028-2220	224-0110	028-2000
204-0090	022-0470	212-0200	028-1200	218-0150	028-2230	226-0010	021-0005
206-0010	027-0005	212-0210	028-1210	218-0160	028-2240	226-0100	028-0600
206-0030	027-0010	212-0220	028-1220	218-0170	028-2250	226-0110	028-0610
206-0040	027-0012	212-0230	028-1230	218-0180	028-2260	226-0120	028-0620
206-0050	027-0015	212-0240	028-1240	218-0190	028-2270	226-0130	028-0630
206-0060	027-0025	212-0250	028-1250	218-0200	028-2280	226-0140	028-0640
206-0070	027-0035	212-0260	028-1260	218-0210	028-2290	226-0200	021-0012
208-0010	021-0005	212-0270	028-1270	218-0220	028-2300	226-0210	021-0030
208-0010	021-0050	212-0280	028-1280	218-0230	028-2310	226-0300	021-0035
208-0010	030-0010	214-0100	028-0200	218-0240	028-2320	226-0310	021-0040
208-0100	021-0012	214-0110	028-0300	218-0250	028-1790	226-0320	021-0045
208-0110	021-0015	214-0120	028-0310	220-0010	028-2560	226-0400	028-1030
208-0200	021-0055	214-0130	028-0400	220-0030	028-2580	228-0010	021-0012
208-0210	021-0060	214-0200	028-1500	220-0040	028-2590	228-0020	021-0005
208-0500	030-0400	214-0210	028-1510	220-0050	028-2600	228-0020	022-0005
208-0510	030-0410	214-0220	028-1520	220-0060	028-2610	228-0020	022-0050

New Rule Number	Old Rule Number	New Rule Number	Old Rule Number	New Rule Number	Old Rule Number	New Rule Number	Old Rule Number
228-0100	022-0010	232-0150	022-0160	236-0100	025-0255	240-0260	030-0111
228-0110	022-0015	232-0160	022-0170	236-0120	025-0265	240-0270	030-0115
228-0120	022-0020	232-0170	022-0175	236-0130	025-0270	240-0300	030-0200
228-0130	022-0025	232-0180	022-0180	236-0140	025-0280	240-0310	030-0205
228-0200	022-0055	232-0190	022-0183	236-0150	025-0285	240-0320	030-0210
228-0210	021-0020	232-0200	022-0186	236-0200	025-0405	240-0330	030-0215
228-0300	022-0075	232-0210	022-0190	236-0220	025-0415	240-0340	030-0220
230-0010	025-0850	232-0220	022-0200	236-0230	025-0430	240-0350	030-0225
230-0020	025-0852	232-0230	022-0210	236-0300	025-0070	240-0360	030-0230
230-0030	025-0750	232-0240	022-0220	236-0310	025-0055	240-0400	030-0300
230-0030	025-0855	234-0010	025-0005	236-0320	025-0060	240-0410	030-0310
230-0030	025-0950	234-0010	025-0150	236-0330	025-0065	240-0420	030-0320
230-0100	025-0860	234-0010	025-0220	236-0410	025-0110	240-0430	030-0330
230-0110	025-0865	234-0010	025-0305	236-0420	025-0115	240-0440	030-0340
230-0120	025-0870	234-0010	025-0350	236-0430	025-0120	242-0010	030-0800
230-0130	025-0875	234-0010	025-0410	236-0440	025-0125	242-0020	030-0810
230-0140	025-0880	234-0100	025-0010	236-0500	025-0745	242-0030	030-0820
230-0150	025-0885	234-0110	025-0015	238-0010	025-0505	242-0040	030-0830
230-0200	025-0890	234-0120	025-0020	238-0020	025-0515	242-0050	030-0840
230-0210	025-0895	234-0130	025-0025	238-0040	025-0510	242-0060	030-0850
230-0220	025-0900	234-0140	025-0027	238-0050	025-0530	242-0070	030-0860
230-0230	025-0905	234-0200	025-0155	238-0060	025-0535	242-0080	030-0870
230-0300	025-0950	234-0210	025-0165	238-0070	025-0800	242-0090	030-0880
230-0310	025-0960	234-0220	025-0170	238-0080	025-0805	242-0100	030-0890
230-0320	025-0970	234-0230	025-0175	238-0090	025-0520	242-0110	030-0900
230-0330	025-0980	234-0240	025-0180	238-0100	025-0740	242-0120	030-0910
230-0340	025-0990	234-0250	025-0185	240-0010	030-0005	242-0130	030-0920
230-0350	025-1000	234-0260	025-0190	240-0020	030-0007	242-0140	030-0930
230-0360	025-1010	234-0270	025-0205	240-0030	030-0010	242-0150	030-0940
230-0400	025-0750	234-0310	025-0224	240-0100	030-0012	242-0160	030-0950
230-0410	025-0750	234-0320	025-0226	240-0110	030-0015	242-0170	030-0960
232-0010	022-0100	234-0330	025-0228	240-0120	030-0021	242-0180	030-0970
232-0020	022-0104	234-0340	025-0230	240-0130	030-0025	242-0190	030-0980
232-0030	022-0102	234-0350	025-0232	240-0140	030-0030	242-0200	030-0990
232-0040	022-0104	234-0360	025-0234	240-0150	030-0031	242-0210	030-1000
232-0050	022-0106	234-0400	025-0355	240-0160	030-0035	242-0220	030-1010
232-0060	022-0107	234-0410	025-0360	240-0170	030-0040	242-0230	030-1020
232-0070	022-0110	234-0420	025-0370	240-0180	030-0043	242-0240	030-1030
232-0080	022-0120	234-0430	025-0380	240-0190	030-0044	242-0250	030-1040
232-0085	022-0125	234-0500	025-0310	240-0200	030-0046	242-0260	030-1050
232-0090	022-0130	234-0510	025-0315	240-0210	030-0050	242-0270	030-1060
232-0100	022-0137	234-0520	025-0320	240-0220	030-0055	242-0280	030-1070
232-0120	022-0140	234-0530	025-0325	240-0230	030-0065	242-0290	030-1080
232-0130	022-0150	236-0010	025-0105	240-0240	030-0067	242-0300	030-1100
232-0140	022-0153	236-0010	025-0260	240-0250	030-0070	242-0310	030-1110

New Rule Number	Old Rule Number	New Rule Number	Old Rule Number	New Rule Number	Old Rule Number	New Rule Number	Old Rule Number
242-0320	030-1160	244-0210	032-0505	252-0120	020-0820	256-0380	024-0320
242-0330	030-1120	244-0220	032-0510	252-0130	020-0830	256-0390	024-0325
242-0340	030-1130	244-0220	032-5520	252-0140	020-0840	256-0400	024-0330
242-0350	030-1140	244-0230	032-5400	252-0150	020-0850	256-0410	024-0332
242-0360	030-1150	248-0010	032-5590	252-0160	020-0860	256-0420	024-0335
242-0370	030-1170	248-0010	033-0020	252-0170	020-0870	256-0430	024-0337
242-0380	030-1180	248-0100	033-0010	252-0180	020-0880	256-0440	024-0340
242-0390	030-1190	248-0110	033-0030	252-0190	020-0890	256-0450	024-0355
242-0400	030-0700	248-0120	033-0040	252-0200	020-0900	256-0460	024-0357
242-0410	030-0710	248-0130	033-0050	252-0210	020-0910	256-0470	024-0360
242-0420	030-0720	248-0140	033-0060	252-0220	020-1000	258-0010	022-0450
242-0430	030-0730	248-0150	033-0070	252-0230	020-1010	258-0100	022-0440
242-0440	030-0740	248-0160	033-0080	252-0240	020-1020	258-0110	022-0460
242-0500	022-0400	248-0170	033-0090	252-0250	020-1030	258-0120	022-0490
242-0510	022-0401	248-0180	033-0100	252-0260	020-1040	258-0130	022-0500
242-0520	022-0402	248-0210	032-5600	252-0270	020-1050	258-0140	022-0503
242-0600	022-0700	248-0220	032-5604	252-0280	020-1060	258-0150	022-0507
242-0610	022-0710	248-0230	032-5605	252-0290	020-1070	258-0160	022-0510
242-0620	022-0740	248-0240	032-5610	254-0010	020-0100	258-0170	022-0520
242-0630	022-0760	248-0250	032-5620	254-0020	020-0105	258-0180	022-0530
242-0700	022-0900	248-0260	032-5630	254-0030	020-0110	258-0190	022-0540
242-0710	022-0910	248-0270	032-5640	254-0040	020-0115	258-0200	020-0136
242-0720	022-0920	248-0280	032-5650	254-0050	020-0120	258-0210	022-0550
242-0730	022-0930	250-0010	020-1500	254-0060	020-0125	258-0220	022-0560
242-0740	022-0940	250-0020	020-1520	254-0070	020-0130	258-0230	022-0570
242-0750	022-0950	250-0030	020-1510	254-0080	020-0135	258-0240	022-0580
242-0760	022-1100	250-0040	020-1530	256-0010	024-0005	258-0250	022-0590
242-0770	022-1110	250-0050	020-1540	256-0010	024-0305	258-0260	022-0600
242-0780	022-1120	250-0060	020-1550	256-0100	024-0010	258-0270	022-0610
242-0790	022-1130	250-0070	020-1560	256-0110	024-0015	258-0280	022-0620
244-0010	032-0100	250-0080	020-1570	256-0120	024-0020	258-0290	022-0630
244-0020	032-0110	250-0090	020-1580	256-0130	024-0025	258-0300	022-0640
244-0030	032-0120	250-0100	020-1590	256-0140	024-0030	258-0310	022-0650
244-0040	032-0130	250-0110	020-1600	256-0150	024-0035	258-0400	022-0300
244-0050	032-0140	252-0010	020-0710	256-0160	024-0040	260-0010	022-0405
244-0100	032-0300	252-0020	020-0730	256-0200	024-0100	260-0020	022-0410
244-0110	032-0310	252-0030	020-0720	256-0210	024-0200	260-0030	022-0415
244-0120	032-0320	252-0040	020-0740	256-0300	024-0300	260-0040	022-0420
244-0130	032-0330	252-0050	020-0750	256-0310	024-0306	262-0010	034-0001
244-0140	032-0340	252-0060	020-0760	256-0320	024-0307	262-0020	034-0005
244-0150	032-0350	252-0070	020-0770	256-0330	024-0308	262-0030	034-0010
244-0160	032-0360	252-0080	020-0780	256-0340	024-0309	262-0040	034-0015
244-0170	032-0370	252-0090	020-0790	256-0350	024-0312	262-0050	034-0020
244-0180	032-0380	252-0100	020-0800	256-0360	024-0314	262-0100	034-0045
244-0200	032-0500	252-0110	020-0810	256-0370	024-0318	262-0110	034-0050

New Rule Number	Old Rule Number	New Rule Number	Old Rule Number	New Rule Number	Old Rule Number	New Rule Number	Old Rule Number
262-0120	034-0060	264-0010	023-0022	264-0140	023-0075	266-0060	026-0013
262-0130	034-0070	264-0020	023-0025	264-0150	023-0080	266-0070	026-0015
262-0200	034-0150	264-0030	023-0030	264-0160	023-0085	266-0080	026-0031
262-0210	034-0155	264-0040	023-0035	264-0170	023-0090	266-0090	026-0033
262-0220	034-0160	264-0050	023-0040	264-0180	023-0100	266-0100	026-0035
262-0230	034-0165	264-0060	023-0042	264-0190	023-0105	266-0110	026-0040
262-0240	034-0170	264-0070	023-0043	264-0200	023-0115	266-0120	026-0045
262-0250	034-0175	264-0080	023-0045	266-0010	026-0001	266-0130	026-0055
262-0300	034-0200	264-0100	023-0055	266-0020	026-0003	268-0030	028-1980
262-0310	034-0205	264-0110	023-0060	266-0030	026-0005	268-0040	028-1960
262-0320	034-0210	264-0120	023-0065	266-0040	026-0010		
262-0330	034-0215	264-0130	023-0070	266-0050	026-0012		