



OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY OREGON TITLE-V OPERATING PERMIT

Northwest Region
2020 S.W. 4th Avenue, #400
Portland, OR 97201-5884
Telephone: (503) 229-5263

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

ISSUED TO:

Daimler Trucks North America LLC.
6936 N. Fathom Street
Portland, Oregon 97217

INFORMATION RELIED UPON:

Application Number: 025083
Received: 06/29/2010

PLANT SITE LOCATION:

Western Star Truck Plant Portland
Truck Manufacturing Plant (TMP)
6936 N. Fathom St., Portland, OR

Parts Manufacturing Plant (PMP)
5400 N. Basin Ave., Portland, OR

LAND USE COMPATIBILITY STATEMENT:

From: The City of Portland
Date: 7/22/93

PERMIT PREVIOUSLY ISSUED TO:

Freightliner LLC

ISSUED BY DEPARTMENT OF ENVIRONMENTAL QUALITY

David Monro, Northwest Region Air Quality Manager

Date

Nature of Business:
Primary SIC:

Manufacturing of Heavy Trucks and Parts
3711 and 3714

RESPONSIBLE OFFICIAL:

Title: Facility Manager

FACILITY CONTACT PERSON

Name: Zane Gibson
Title: Environmental Engineer
Phone: (503) 745-7602

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LIST OF ACRONYMS USED IN THIS PERMIT

ACDP	Air Contaminant Discharge Permit
CFR	Code of Federal Regulations
CO	Carbon monoxide
DEQ	Oregon Department of Environmental Quality
dscf	dry standard cubic foot
EF	emission factor
EPA	US Environmental Protection Agency
EU	Emissions unit
FCAA	Federal Clean Air Act
gr/dscf	grains per dry standard cubic foot
HAP	Hazardous Air Pollutant as defined by OAR 340-244-0040
HCFC	Halogenated Chloro-Fluoro-Carbons
MACT	Maximum Achievable Control Technology
MMBtu	Million British thermal units
MMCF	Million cubic feet
NO _x	Oxides of nitrogen
O ₂	Oxygen
OAR	Oregon Administrative Rule
ORS	Oregon Revised Statute
Pb	Lead
PCD	Pollution control device
POTW	Publicly Owned Treatment Works
PM	Particulate matter
PM ₁₀	Particulate matter less than 10 microns in size
ppm	Parts per million
PSD	Prevention of Significant Deterioration
PSEL	Plant Site Emission Limit
scf	Standard cubic foot
SER	Significant Emission Rate
SIP	State Implementation Plan
SO ₂	Sulfur dioxide
ST	Source test
TSP	Total Suspended Particulate
VE	Visible emissions
VOC	Volatile organic compound

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]

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 conditions 5, 6, 13, 19, 22, 25 and 66, which are only enforceable by the state. [OAR 340-218-0060]

EMISSIONS UNIT (EU) AND POLLUTION CONTROL DEVICE IDENTIFICATION

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

Emissions Unit	EU ID	Pollution Control Device
All Coating Application at TMP (Truck Manufacturing Plant)	1-AC	Spray Booth Filters
All Coating Application at PMP (Parts Manufacturing Plant)	2-AC	Spray Booth Filters
Natural Gas Combustion Devices	5-BO	None
Metal Cutting Operations	6-CUT	None
Non-Combustion VOCs	7-VOC	None
Aggregate Insignificant Activities	8-AGG	None

EMISSIONS UNIT DESCRIPTIONS

1-AC (All Coating Application at TMP) - This emissions unit includes Volatile Organic Compound (VOC) and Particulate Matter (PM) emissions from the application of coatings at the Truck Manufacturing Plant (TMP). These coatings are applied by spray gun to chassis, cabs, fairings and other parts and assemblies of heavy duty trucks. The emissions from these operations are subject to Reasonably Available Control Technology (RACT) requirements, which limit the daily average VOCs emitted per gallon of coating used. Because the RACT requirement does not limit the quantity of VOCs emitted by the facility, the VOC emissions from this emissions unit are also included in EU ID 7-VOC for monitoring compliance with the Plant Site Emission Limits (PSELs) for VOCs.

This emissions unit also includes PM emissions resulting from spray-gun paint application in all paint booths at the facility. Particulate emissions from the paint booths are controlled by dry or wet filters located in the spray booths, and are included in the Facility Total PSELs.

2-AC (All Coating Application at PMP) - This emissions unit includes Volatile Organic Compound (VOC) and Particulate Matter (PM) emissions from the application of coatings at the Parts Manufacturing Plant (PMP). These coatings are applied by spray gun to parts and assemblies of heavy duty trucks. The emissions from these operations are subject to Reasonably Available Control Technology (RACT) requirements, which limit the daily average VOCs emitted per gallon of coating used. Because the RACT requirement does not limit the quantity of VOCs emitted by the facility, the VOC emissions from this emissions unit are also included in EU ID 7-VOC for monitoring compliance with the Plant Site Emission Limits (PSELs) for VOCs. This emissions unit also includes PM emissions resulting from spray-gun paint application in all paint booths at the facility. Particulate emissions from the paint booths are controlled by dry or wet filters located in the spray booths, and are included in the Facility Total PSELs.

5-BO (Natural Gas Combustion Devices) - This emissions unit includes emissions from the combustion of Natural Gas in boilers, drying ovens, air make-up units, and other devices. These emissions are included in the Facility Total PSELs.

6-CUT (Metal Cutting Operations) - This emissions unit includes emissions from cutting metal at the PMP using various cutting machines.

7-VOC (Non-Combustion VOC) - This emissions unit includes emissions of VOCs from all VOC emitting activities except for VOCs from the combustion of natural gas, and from those activities which are categorically insignificant. This includes but is not limited to solvents, coatings (including EU IDs 1-AC and 2-AC) and adhesives used in the various operations associated with truck and parts preparation, manufacturing and assembly. This emissions unit is subject to a daily PSEL. Annual Emissions from this unit are included in the Facility Total PSELs.

EMISSION LIMITS AND STANDARDS

- The following tables contain summaries of applicable requirements, other than the Plant Site Emission Limit (PSEL), along with the monitoring methods for the emissions units to which those requirements apply.

FACILITY WIDE EMISSION LIMITS AND STANDARDS

Applicable Requirement	Condition Number	Pollutant/Parameter	Limit/Standard	Monitoring Requirements	
				Monitoring Method	Condition Number
Particulate Size Standard OAR 340-208-0450	5	PM >250 microns	N/A	Periodic monitoring	64
Fugitive Odor Nuisance Condition OAR 340-208-0300	6	Fugitive Odor	No Nuisance	Periodic monitoring	66
Fugitive Particulate Condition [OAR 340-208-0210]	7	Fugitive Particulate	Reasonable Precaution	Periodic monitoring	64
Source Emission Reduction Plan [OAR 340-206-0050]	8	N/A	Emergency Action	Recordkeeping	68
Stratospheric Ozone and Climate Protection [40 CFR part 82]	9, 10	Class I and Class II substances	Labeling Requirements	Recordkeeping	69

- The permittee shall not cause or permit the emission of any particulate matter, which is larger than 250 microns in size provided such particulate matter does or will deposit on the real property of another person. Monitor per condition 64. This condition is only enforceable by the State. [OAR 340-208-0450].
- The permittee shall not allow the emission of odorous matter in such a manner as to cause a public nuisance in accordance with OAR 340-208-0300. This condition is only enforceable by the State.

7. The permittee shall 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. Such reasonable precautions shall include, but not be limited to the following: [OAR 340-208-0210]
 - 7.a. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads or the clearing of land;
 - 7.b. Application of asphalt, oil, water, or other suitable chemicals on unpaved roads, materials stockpiles, and other surfaces which can create airborne dusts;
 - 7.c. Full or partial enclosure of materials stockpiles in cases where application of oil, water, or chemicals are not sufficient to prevent particulate matter from becoming airborne;
 - 7.d. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty materials;
 - 7.e. Adequate containment during sandblasting or other similar operations;
 - 7.f. Covering, at all times when in motion, open bodied trucks transporting materials likely to become airborne;
 - 7.g. The prompt removal from paved streets of earth or other material which does or may become airborne.

8. In the event an Air Pollution Alert, Warning, or Emergency Episode is declared in the Portland Air Quality Maintenance Area by the Department, the permittee shall take the action appropriate to the episode condition as required by OAR 340-206-0050. The permittee shall 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 permittee shall take the actions listed below when an air pollution episode is declared:
 - 8.a. ALERT: Prepare to cease all painting operations.
 - 8.b. WARNING: Cease all painting operations and complete all clean-up with solvent within the minimum work shift, not to exceed four hours.
 - 8.c. EMERGENCY: Continue warning actions.

During an applicable Air Pollution Episode, this Source Emission Reduction Plan shall be available on the source premises for inspection by Department personnel in accordance with OAR 340-206-0050. Monitor per condition 68. [OAR 340-206-0050]

9. The permittee is subject to all of the applicable requirements as specified in 40 CFR Part 82, Subpart E; The Labeling of Products Using Ozone-depleting Products. Monitor per condition 69. [40 CFR Part 82 and OAR 340-260-0040]

10. The permittee is allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to section 612 of the Act without requiring a permit revision. Monitor per condition 69. [40 CFR Part 82 and OAR 340-260-0040]

11. 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]

EMISSIONS UNIT SPECIFIC CONDITIONS

Applicable Requirement: Surface Coating VOC limitations, Visible Emissions, and Particulate limits for EU IDs 1-AC (TMP) and 2-AC (PMP)

Applicable Requirement	Condition Number	Pollutant/Parameter	Limit\Standard	Monitoring Requirements	
				Monitoring Method	Condition Number
Opacity Rule [OAR 340-208-0110(2)(b), and OAR 340-208-0600]	12, 13	Opacity	20 %	Periodic Monitoring	70, 72
Particulate Emissions Rule - Non-Fuel Burning Equipment [OAR 340-226-0210(2)]	14	PM/PM ₁₀	0.1 gr/dscf	Periodic Monitoring	70, 72
RACT VOC Limit [OAR 340-232-0160]	15, 16	Lb-VOC/gal Daily Average	See conditions 15 and 16	Recordkeeping of daily usage	71, 73
NESHAP Subpart MMMM Limits [40 CFR Part 63.3880-4080]	31	Kg organic HAP/liter coating solids 12-month rolling basis	0.31 kg (2.6 lb) organic HAP per liter (gal) coating solids	Recordkeeping and Calculations	76 through 80
NESHAP Subpart PPPP Limits [40 CFR Part 63.4480-4581]	46	Kg organic HAP emitted /kg coating solids 12-month rolling basis	0.16 kg (0.16 lb) organic HAP emitted per kg (lb) coating solids	Recordkeeping and Calculations	81 through 85

12. The permittee shall not cause or allow the emissions of any air contaminant into the atmosphere from any individual source included in EU IDs 1-AC and 2-AC for a period or periods aggregating more than three (3) minutes in any one hour which is equal to or greater than 20% opacity, excluding uncombined water. Monitor per conditions 70 and 72. [OAR 340-208-0110(2)(b)]
13. The permittee shall not cause or allow the emissions of any air contaminant into the atmosphere from any individual source included in EU IDs 1-AC and 2-AC for a period or periods aggregating more than thirty (30) seconds in any one hour which is equal to or greater than 20% opacity, excluding uncombined water. Monitor per conditions 70 and 72. This condition is only enforceable by the State. [OAR 340-208-0600]
14. The permittee shall not cause or allow the emission of particulate matter from any individual source included in EU IDs 1-AC and 2-AC in excess of 0.1 grains per dry standard cubic foot. Monitor per conditions 70 and 72. [OAR 340-226-0210(2)]

15. The emissions of Volatile Organic Compounds from EU ID 1-AC (TMP) shall not exceed the following limits on a daily average basis, as measured in accordance with condition 71: [OAR 340-232-0160]
- A. Clear Coatings 4.3 lb/gal.
 - B. Forced Air Dried or Air Dried 3.5 lb/gal.
 - C. Extreme Performance Coatings 3.5 lb/gal.
 - D. Other Coatings (i.e. Powder, oven dried) 3.0 lb/gal.
16. The emissions of Volatile Organic Compounds from EU ID 2-AC (PMP) shall not exceed the following limits on a daily average basis, as measured in accordance with condition 73: [OAR 340-232-0160]
- A. Clear Coatings 4.3 lb/gal.
 - B. Forced Air Dried or Air Dried 3.5 lb/gal.
 - C. Extreme Performance Coatings 3.5 lb/gal.
 - D. Other Coatings (i.e. Powder, oven dried) 3.0 lb/gal.

Applicable Requirements; Visible Emissions and Particulate limits for EU ID 5-BO

Applicable Requirement	Condition Number	Pollutant/Parameter	Limit\Standard	Monitoring Requirements	
				Monitoring Method	Condition Number
Opacity Rules [OAR 340-208-0110(2)(b), and OAR 340-208-0600]	17	Opacity	20 %	Recordkeeping	74
Particulate Emissions Rule - Fuel Burning Equipment [OAR 340-228-0210(1)(b) OAR 340-208-0610]	18, 19	PM/PM ₁₀	0.1 gr/dscf 0.27 lb/MMBtu	Recordkeeping	74

17. The permittee shall not cause or allow the emissions of any air contaminant into the atmosphere from any individual source included in EU ID 5-BO, 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. Monitor per condition 74. [OAR 340-208-0110(2)(b)]
18. The permittee shall not cause or allow the emission of particulate matter from any individual source included in EU ID 5-BO, in excess of 0.1 grains per dry standard cubic foot, corrected to 12% CO₂ or 50% excess air. Monitor per condition 74. [OAR 340-228-0210(2)]
19. The permittee shall not cause or allow the emission of particulate matter from any individual source included in EU ID 5-BO, in excess of 0.27 pounds per million Btu. Monitor per condition 74. This condition is only enforceable by the State. [OAR 340-208-0610]

INSIGNIFICANT ACTIVITIES

Applicable Requirement	Condition Number	Pollutant/Parameter	Limit\Standard	Monitoring Requirements	
				Monitoring Method	Condition Number

Opacity Rule [OAR 340-208-0110(2)(b), and OAR 340-208-0600]	21, 22	Visible Emissions	20 % Opacity	N/A	N/A
Particulate (gr. load) Rules, Fuel Burning Equipment [OAR 340-228-0210(1), 340-228-0210(2) and OAR 340-208-0610]	23, 24, 25	PM/PM ₁₀	0.1 gr/dscf 0.2 gr/dscf 0.27 lb/MMBtu	N/A	N/A
Particulate (gr. load) Rules, Non-Fuel Burning Equipment [OAR 340-226-0210(1) and 340-226-0210(2)]	26, 27	PM/PM ₁₀	0.20 gr/dscf 0.10 gr/dscf	N/A	N/A
Spray paint VOC content limitations	28	VOC	Use no non- complying spray paint	N/A	N/A

20. The Department acknowledges that insignificant emissions units (IEUs) identified by rule as either categorically insignificant activities or aggregate insignificant emissions as defined in 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:
- 20.a. OAR 340-208-0110 (20% opacity)
 - 20.b. OAR 340-228-0210 (0.1 gr/dscf corrected to 12% CO₂ or 50% excess air for fuel burning equipment)
 - 20.c. OAR 340-226-0210 (0.1 gr/dscf for non-fugitive, non-fuel burning equipment)
 - 20.d. OAR 340-226-0310 (process weight limit for non-fugitive, non-fuel burning process equipment)
21. The permittee shall not cause or allow the emissions of any air contaminant into the atmosphere for a period or periods aggregating more than three minutes in any one hour, which is equal to or greater than 20% opacity, excluding uncombined water, from any source. [OAR 340-208-0110(2)(b)]
22. The permittee shall not cause or allow the emissions of any air contaminant into the atmosphere for a period or periods aggregating more than thirty (30) seconds in any one hour which is equal to or greater than 20% opacity, excluding uncombined water, from any single non fuel burning source of emissions. This condition is only enforceable by the State. [OAR 340-208-0600]
23. The permittee shall not cause or allow the emission of particulate matter in excess of 0.2 grains per dry standard cubic foot, corrected to 12% CO₂ or 50% excess air, from any fuel burning equipment installed or constructed before June 1, 1970. [OAR 340-228-0210(1)]
24. The permittee shall not cause or allow the emission of particulate matter in excess of 0.1 grains per dry standard cubic foot, corrected to 12% CO₂ or 50% excess air, from any fuel burning equipment installed, constructed or modified after June 1, 1970. [OAR 340-228-0210(2)]
25. The permittee shall not cause or allow the emission of particulate matter in excess of 0.27 pounds per million Btu, from any fuel burning equipment. This condition is only enforceable by the State. [OAR 340-208-0610]

26. The permittee shall not cause or allow the emission of particulate matter in excess of 0.2 grains per dry standard cubic foot, from any non-fugitive air contaminant source other than fuel burning equipment installed, constructed before June 1, 1970. [OAR 340-226-0210(1)]
27. The permittee shall not cause or allow the emission of particulate matter in excess of 0.1 grains per dry standard cubic foot, from any non-fugitive air contaminant source other than fuel burning equipment installed, constructed or modified after June 1, 1970. [OAR 340-226-0210(2)]
28. The permittee shall not knowingly use or contract for the use of any non-complying spray paint or architectural coating manufactured after July 1, 1996. [OAR 340-242-0730]

PLANT SITE EMISSION LIMITS

29. The plant site emissions must not exceed the following limits for any 12 consecutive calendar month period: [OAR 340-222-0040 through OAR 340-222-0043]

Pollutant	Plant Site Emission Limit (tons/yr)	Unassigned Emissions (tons/yr)	Emission Reduction Credit (tons/yr)
PM	24	5	0
PM ₁₀	24	5	0
PM _{2.5}	24	5	0
SO ₂	39	0	0
NO _x	39	0	0
CO	99	0	0
VOC	470	0	0
Greenhouse gases	74,000	0	0

Note: All PM is assumed to be PM_{2.5} in this permit renewal. This assumption may be revisited in the next permit renewal if better information is obtained.

SURFACE COATING OF MISCELLANEOUS METAL PARTS AND PRODUCTS NESHAP [40 CFR PART 63 SUBPART MMMM]

30. The standard applies to all trucks and parts manufactured at the facility. The permittee does not qualify for the exemption under 40 CFR 63.3881(c)(4) due to the definition of military munitions under 40 CFR 260.10.
31. The permittee shall limit the organic HAP emissions to no more than 0.31 kg (2.6 lb) organic HAP per liter (gal) coating solids used during each rolling 12-month compliance period at all times. [40 CFR 63.3890(b)(1)]
32. The permittee shall use either the compliant material or the emission rate without add-on controls option to demonstrate that the organic HAP content of all coatings, thinners and/or other additives, and cleaning materials used in the coating operation(s) is less than or equal to the limit in condition 47.a. [40 CFR 63.3891]
 - 32.a. The permittee may apply either of the compliance options listed in condition 32 to either an individual or multiple coating operation at any time, except when different compliance options are used at the same time on the same coating operation. [40 CFR 63.3891]

- 32.b. If the permittee switches between compliance options, it must be reported in the next semiannual report as referenced by condition 104 and as required by condition 111. [40 CFR 63.3891]
 - 32.c. The permittee must comply with all the applicable emission limits, monitoring, recordkeeping, and reporting (MRR) requirements for the compliance options listed in condition 32. For simplicity, the MRR requirements which apply to both compliance options listed in condition 32 are grouped together. In addition, specific MRR requirements which apply to the compliance methods listed in condition 32 are listed separately.
 - 32.d. The permittee does not need to re-determine the organic HAP content or the mass of organic HAP in coatings, thinners and /or other additives, or cleaning materials that have been reclaimed on-site (or reclaimed off-site if the permittee has proper documentation showing the exact same materials sent off-site were received back) and re-used in the coating operation. [40 CFR 63.3941 and 63.3951]
 - 32.e. No operating limit or work practice standard is applicable when using the compliance options listed in condition 32. [40 CFR 63.3892(a) and 40 CFR 63.3893(a)]
33. The permittee shall determine the mass fraction of organic HAP for each material used by one of the following methods: [40CFR 63.3941(a)]
- 33.a. Method 311 (Appendix A to 40 CFR Part 63):
 - 33.a.1. Count each organic HAP that is measured to be present at 0.1 percent by mass or more for OSHA-defined carcinogens and at 1.0 percent by mass for other compounds as specified in 29 CFR 1910.1200(d)(4).
 - 33.a.2. Calculate the total mass fraction of organic HAP in the test material by adding up the individual organic HAP mass fractions.
 - 33.b. Method 24 (Appendix A to 40 CFR Part 60) to determine the mass fraction of non-aqueous volatile matter which may substitute for mass fraction of organic HAP.
 - 33.c. An alternative method following the procedure outlined in 40 CFR 63.7(f) and which the Department approves.
 - 33.d. Information from the supplier or manufacturer of the material:
 - 33.d.1. The permittee shall include in the organic HAP total each organic HAP that is present at 0.1 percent by mass or more for OSHA-defined carcinogens and 1.0 percent by mass for other compounds as specified in 29 CFR 1910.1200(d)(4).
 - 33.d.2. If there is a disagreement between information collected from the manufacturer and the results of a test conducted according to the procedures outlined in 33.a through 33.c, then the test method results will take precedence unless, after consultation, the permittee demonstrates to the Department's satisfaction that the formulation data is correct.
 - 33.e. Solvent blends:
 - 33.e.1. May be listed as single components for some materials in data provided by manufacturers.
 - 33.e.2. May contain organic HAP, which must be counted toward the total organic HAP mass reaction of the materials.
 - 33.f. If test or manufacturer's data is not available, the permittee may use the default values for the mass fraction of organic HAP in the solvent blends listed in the tables below.
 - 33.f.1. If the permittee uses the information provided in the tables below, the solvent blend name or chemical abstract series (CAS) number must match.
 - 33.f.2. If the permittee uses Table 1 or Table 2 below, then the permittee must use the values for all solvent blends that match within the table.
 - 33.f.3. If a solvent blend matches at least either the name or CAS number, the permittee shall use the organic HAP mass fractions listed in Table 1.

- 33.f.4. If neither the name nor CAS number match the solvent blend name, the permittee shall use the organic HAP mass fractions listed in Table 2.
- 33.f.5. If the results of a Method 311 test indicate higher values than those listed in Table 1 or Table 2, then the test results shall take precedence, unless the permittee demonstrates to the Department that the formulation data are correct.

Table 1: Default Organic HAP Mass Fraction for Solvents and Solvent Blends

Solvent/Solvent blend	CAS No.	Average Organic HAP Mass Fraction	Typical Organic HAP, Percent by Mass
1. Toluene	108-88-3	1.0	Toluene
2. Xylene(s)	1330-20-7	1.0	Xylenes, ethylbenzene
3. Hexane	110-54-3	0.5	n-hexane
4. n-Hexane	110-54-3	1.0	n-hexane
5. Ethylbenzene	100-41-4	1.0	Ethylbenzene
6. Aliphatic 140	-----	0	None
7. Aromatic 100	-----	0.02	1% xylene, 1% cumene
8. Aromatic 150	-----	0.09	Naphthalene
9. Aromatic naphtha	64742-95-6	0.02	1% xylene, 1% cumene
10. Aromatic solvent	64742-94-5	0.1	Naphthalene
11. Exempt mineral spirits	8032-32-4	0	None
12. Ligroines (VM & P)	8032-32-4	0	None
13. Lactol spirits	64742-89-6	0.15	Toluene
14. Low aromatic white spirit	64742-82-1	0	None
15. Mineral spirits	64742-88-7	0.01	Xylenes
16. Hydrotreated naphtha	64742-48-9	0	None
17. Hydrotreated light distillate	64742-47-8	0.001	Toluene
18. Stoddard solvent	8052-41-3	0.01	Xylenes
19. Super high-flash naphtha	64742-95-6	0.05	Xylenes
20. Varsol® solvent	8052-49-3	0.01	0.5% xylenes, 0.5% ethylbenzene
Solvent/Solvent blend	CAS No.	Average Organic HAP Mass Fraction	Typical Organic HAP, Percent by Mass
21. VM & P naphtha	64742-89-8	0.06	3% toluene, 3% xylene
22. Petroleum distillate mixture	68477-31-6	0.08	4% naphthalene, 4% biphenyl

Table 2: Default Organic HAP Mass Fraction for Petroleum Solvent Groups

Solvent Type	Average Organic HAP Mass Fraction	Typical Organic HAP, Percent by Mass
Aliphatic ^a	0.03	1% Xylene, 1% Toluene, and 1% Ethylbenzene
Aromatic ^b	0.06	4% Xylene, 1% Toluene, and 1% Ethylbenzene

^a Mineral Spirits 135, Mineral Spirits 150 EC, Naphtha, Mixed Hydrocarbon, Aliphatic Hydrocarbon, Aliphatic Naphtha, Naphthol Spirits, Petroleum Spirits, Petroleum Oil, Petroleum Naphtha, Solvent Naphtha, Solvent Blend.

^b Medium-flash Naphtha, High-flash Naphtha, Aromatic Naphtha, Light Aromatic Naphtha, Light Aromatic Hydrocarbons, Aromatic Hydrocarbons, Light Aromatic Solvent.

34. The permittee must determine the volume fraction of coating solids for each coating in liters (gal) of coating per liter (gal) for each coating used during the compliance period by either a test, information provided by the manufacturer of the material, or by calculation, as specified below: [40 CFR 63.3941(b)]
- 34.a. ASTM Method D2697-86 (Reapproved 1998) or ASTM Method D6093-97 (Reapproved 2003).
- 34.a.1. Divide the nonvolatile volume percent obtained with the methods by 100 to calculate volume fraction of coating solids.
- 34.a.2. If the results from this test disagree with information obtained by using 34.b through 34.d, then the test results will take precedence unless, after consultation, the permittee demonstrates to the Department's satisfaction that the formulation data is correct.
- 34.b. Alternative method upon Department approval. The permittee must follow the procedure in 40 CFR 63.7(f) to submit an alternative test method for approval.
- 34.c. Information from the supplier or manufacturer.
- 34.d. Calculation of volume fraction of coating solids using the following equation:

Equation 1

$$V_s = 1 - \frac{m_{volatiles}}{D_{avg}}$$

Where:

- V_s = Volume fraction of coating solids, liters (gal) coating solids per liter (gal) coating.
- $m_{volatiles}$ = Total volatile matter content of the coating, including HAP, VOCs, water, and exempt compounds according to Method 24 in Appendix A of 40 CFR Part 60, grams volatile matter per liter coating.
- D_{avg} = Average density of volatile matter in the coating, grams volatile matter per liter volatile matter, determined from test results using ASTM Method D1475-98, information from the manufacturer, or reference sources.

In addition, when the permittee uses the compliant method option, then:

35. The permittee shall determine if the organic HAP content of each coating used in the coating operation(s) is less than or equal to the limit in condition 31 and that each thinner and/or other additive, and cleaning material used contains no organic HAP. [40 CFR 63.3891(a)]
36. The permittee shall determine the density of each coating using one of the following methods: [40 CFR 63.3941(c)]
- 36.a. ASTM Method D1475-98. If the results from this test disagree with information obtained by using 36.b, then the test results will take precedence unless, after consultation, the permittee demonstrates to the Department's satisfaction that the formulation data is correct.
- 36.b. Information from the supplier or manufacturer.
- 36.c. Specific gravity data for pure chemicals.

37. The permittee shall determine the organic HAP content of each coating by calculating the organic HAP content, kg (lb) or organic HAP emitted per liter (gal) coating solids used, of each coating used during the compliance period using the following equation: [40 CFR 63.3641(d)]

Equation 2

$$H_c = \frac{(D_c)(W_c)}{V_s}$$

Where:

- H_c = Organic HAP content of the coating, kg organic HAP emitted per liter (gal) coating solids used.
- D_c = Density of coating, kg coating per liter (gal) coating, as determined according to condition 36.
- W_c = Mass fraction of organic HAP in the coating, kg organic HAP per kg coating, as determined according to condition 0.
- V_s = Volume fraction of coating solids, liter (gal) coating solids per liter (gal) coating, as determined by Equation 1 and described in condition 34.d.

In addition, when the permittee uses the emission rate without add-on controls option, then:

38. The permittee shall limit the organic HAP emission rate for the coating operation, including on all coatings, thinners and/or other additives, and cleaning materials used in the operation is less than or equal to the emission limit in condition 31. [40 CFR 63.3891(b)]
39. The permittee shall calculate the rolling 12-month organic HAP emission rate, not including any coatings, thinners and/or other additives, or cleaning materials used on coating operations for the compliant material option was used. [40 CFR 63.3951]
40. The permittee shall determine the density of each liquid coating, thinner and/or other additive, and cleaning material used during each month from test results using either: [40 CFR 63.3951(c)]
- 40.a. ASTM Method D1475-98 information from the supplier; or
 - 40.b. Manufacturer of the material; or
 - 40.c. Reference sources providing density or specific gravity data for pure materials.
 - 40.d. If the permittee includes powder coatings in the compliance determination, then:
 - 40.d.1. Determine the density of powder coatings using ASTM Method D5965-02; or
 - 40.d.2. Use information from the supplier.
 - 40.d.3. If there is a disagreement between ASTM Method D1475-98 or D5965-02 test results and other information sources, the test results shall take precedence unless the permittee demonstrates to the Department the formulation data are correct.
 - 40.e. If the permittee purchases materials or monitors consumption by weight instead of volume, then the permittee:
 - 40.e.1. Does not need to determine material density; but instead, shall
 - 40.e.2. Use the material weight in place of the combined terms for density and volume in Equation 4 through Equation 7 and described in conditions 42.b, 42.c, 42.d, and 44.
41. The permittee shall determine the volume (liters) of each coating, thinner and/or other additive, and cleaning material used during each month by measurement or usage records. [40 CFR 63.3951(d)]
- 41.a. If the permittee purchases materials or monitors consumption by weight instead of volume, then the permittee,
 - 41.a.1. Does not need to determine the volume of each material used; but instead, shall

41.a.2. Use the material weight in place of combined terms for density and volume in Equation 4 through Equation 7 and described in conditions 42.b, 42.c, 42.d, and 44.

42. The permittee shall calculate the mass of organic HAP emissions using the equation below: [40 CFR 63.3951(e)]

Equation 3

$$H_e = A + B + C - R_w$$

Where:

- H_e = Total mass of organic HAP emissions during the month, kg
- A = Total mass of organic HAP in the coatings used during the month, kg, as calculated in Equation 4 and described in condition 42.b.
- B = Total mass of organic HAP in the thinners and/or other additives used during the month, kg, as calculated in Equation 5 as described in condition 42.c.
- C = Total mass of organic HAP in the cleaning materials used during the month, kg, as calculated in Equation 6 and described in condition 42.d.
- R_w = Total mass of organic HAP in waste materials sent or designated for shipment to a hazardous waste TSDF for treatment or disposal during the month, kg, determined according to condition 43 (the permittee may assign a value of zero to R_w if they do not wish to use this allowance).

42.a. The permittee shall include the organic HAP contained in all coatings, thinners and/or other additives, and cleaning materials used during each month minus the organic HAP in certain waste materials.

- 42.b. The permittee shall calculate the kg organic HAP in the coatings used during the month using the equation below:

$$A = \sum_{i=1}^m (Vol_{c,i})(D_{c,i})(W_{c,i}) \quad \text{Equation 4}$$

Where:

- A = Total mass of organic HAP in the coatings used during the month, kg
- $Vol_{c,i}$ = Total volume of coating, i , used during the month, liters
- $D_{c,i}$ = Density of coating, i , kg coating per liter coating
- $W_{c,i}$ = Mass fraction of organic HAP in coating, i , kg organic HAP per kg coating. For reactive adhesives as defined in 40 CFR 63.3981, use the mass fraction of organic HAP that is emitted as determined using the method described in 40 CFR Part 63 Subpart PPPP, Appendix A
- m = Number of different coatings used during the month

- 42.c. The permittee shall calculate the kg of organic HAP in the thinners and/or other additives used during the month using the equation below:

$$B = \sum_{j=1}^n (Vol_{t,j})(D_{t,j})(W_{t,j}) \quad \text{Equation 5}$$

Where:

- B = Total mass of organic HAP in the thinners and/or other additives used during the month, kg
- $Vol_{t,j}$ = Total volume of thinner and/or other additive, j , used during the month, liters
- $D_{t,j}$ = Density of thinner and/or other additive, j , kg per liter.
- $W_{t,j}$ = Mass fraction of organic HAP in thinner and/or other additive, j , kg organic HAP per kg thinner and/or other additive. For reactive adhesives as defined in 40 CFR 63.3981, use the mass fraction of organic HAP that is emitted as determined using the method described in 40 CFR Part 63 Subpart PPPP, Appendix A.
- n = Number of different thinners and/or other additives used during the month.

- 42.d. The permittee shall calculate the kg organic HAP in the cleaning materials used during the month using the equation below:

$$C = \sum_{k=1}^p (Vol_{s,k}) (D_{s,k}) (W_{s,k}) \quad \text{Equation 6}$$

Where:

- C = Total mass of organic HAP in the cleaning materials used during the month, kg.
- $Vol_{s,k}$ = Total volume of cleaning material, k , used during the month, liters.
- $D_{s,k}$ = Density of cleaning material, k , kg per liter.
- $W_{s,k}$ = Mass fraction of organic HAP in cleaning material, k , kg organic HAP per kg material.
- p = Number of different cleaning materials used during the month.
43. If accounting for Treatment, Storage, and Disposal Facility (TSDF) waste materials in the determination of organic HAP mass as described in condition 54, then the permittee:
- 43.a. Must include only the waste materials that are generated by coating operations for which Equation 42, as described in condition 54, is used.
- 43.b. Must include only the waste materials that will be treated or disposed of by a facility that is regulated as a TSDF.
- 43.b.1. The TSDF must be defined under 40 CFR Part 262, 264, 265, or 266.
- 43.b.2. The TSDF may be either off-site or on-site.
- 43.b.3. No wastewater may be included in the organic HAP mass.
- 43.c. Must determine the amount of waste materials sent to a TSDF during the month or the amount collected and stored during the month and designated for future transport to a TSDF. Do not include materials during a month in which the materials were already included in that month or a previous month's determination.
- 43.d. Must document the methodology used to determine the amount of waste materials and the total mass of organic HAP they contain.

44. The permittee shall calculate the total combined volume of coating solids used, in liters, using the equation below: [40 CFR 63.3951(f)]

$$V_{st} = \sum_{i=1}^m (Vol_{c,i})(V_{s,i}) \quad \text{Equation 7}$$

Where:

- V_{st} = Total volume of coating solids used during that month, liters.
- $Vol_{c,i}$ = Total volume of coating, i , used during the month, liters.
- $V_{s,i}$ = Volume fraction of coating solids for coating, i , liter solids per liter coating, determined according to Equation 1 as set out in condition 34.d.
- m = Number of coatings used during the month.

45. The permittee shall calculate the organic HAP emission rate, kg (lb) organic HAP emitted per liter (gal) coating solids used using the following equation: [40 CFR 63.3952(g)]

$$H_{yr} = \frac{\sum_{y=1}^n H_e}{\sum_{y=1}^n V_{st}} \quad \text{Equation 8}$$

Where:

- H_{yr} = The rolling 12-month average organic HAP emission rate, kg organic HAP emitted per liter coating solids used.
- H_e = Total mass of organic HAP emissions from all materials used during month, y , kg, as calculated by Equation 3 and described in condition 42.
- V_{st} = Total volume of coating solids used during the month, y , liters, as calculated by Equation 7 and described in condition 44 of this section.
- y = Month identifier.
- n = Number of full or partial months in the compliance period (for the initial compliance period, n equals 12 if the compliance date falls on the first day of a month; otherwise n equals 13; for all following compliance periods, n equals 12).

**SURFACE COATING OF PLASTIC PARTS AND PRODUCTS NESHAP [40 CFR PART 63
SUBPART PPPP]**

46. The standard applies to all trucks and parts manufactured at the facility. The permittee does not qualify for the exemption under 40 CFR 63.4480(c)(3) due to the definition of military munitions under 40 CFR 260.10.
47. The permittee shall comply with the following HAP limits. [40 CFR 63.4483(b)]
- 47.a. The permittee shall limit the organic HAP emissions to no more than 0.16 kg (0.16 lb) organic HAP emitted per kg (lb) coating solids used during each rolling 12-month compliance period at all times. [40 CFR 63.4490(b)(1)]
 - 47.b. The permittee shall use either the compliant material or the emission rate without add-on controls option to demonstrate that the organic HAP content of all coatings, thinners and/or other additives, and cleaning materials used in the coating operation(s) is less than or equal to the limit in condition 47.a as calculated on a 12-month rolling basis and as determined on a monthly basis at all times. [40 CFR 63.4491(a) and (b)]
 - 47.c. The permittee may apply either of the compliance options listed in condition 47.b to either an individual or multiple coating operation at any time, except when different compliance options are used at the same time on the same coating operation. [40 CFR 63.4491]
 - 47.d. If the permittee switches between compliance options, it must be reported in the next semiannual report as referenced by condition 104 and as required by condition 111. [40 CFR 63.4491]
 - 47.e. The permittee must comply with all the applicable emission limits, monitoring, recordkeeping, and reporting (MRR) requirements for the compliance options listed in condition 47.b. For simplicity, the MRR requirements which apply to both compliance options listed in condition 47.b are grouped together. In addition, specific MRR requirements which apply to the compliance methods listed in condition 47.b are listed separately.
 - 47.f. The permittee does not need to re-determine the organic HAP content or the mass of organic HAP in coatings, thinners and/or other additives, or cleaning materials that have been reclaimed on-site (or reclaimed off-site if the permittee has proper documentation showing the exact same materials sent off-site were received back) and re-used in the coating operation. [40 CFR 63.4541 and 63.4551]
 - 47.g. No operating limit or work practice standard is applicable when using the compliance options listed in condition 47.b. [40 CFR 63.4493(a) and 40 CFR 63.4492(a)]
 - 47.h. Adhesives, sealants, and caulks are not included under 40 CFR Part 63 Subpart PPPP in assembling on-road vehicles. [40 CFR 63.4481(a)(5)]
48. The permittee shall determine the mass fraction of organic HAP for each material used by one of the following methods: [40 CFR 63.4541(a) and 40 CFR 63.4551(a)]
- 48.a. Method 311 (Appendix A to 40 CFR Part 63):
 - 48.a.1. Count each organic HAP that is measured to be present at 0.1 percent by mass or more for OSHA-defined carcinogens and at 1.0 percent by mass for other compounds as specified in 29 CFR 1910.1200(d)(4).
 - 48.a.2. Calculate the total mass fraction of organic HAP in the test material by adding up the individual organic HAP mass fractions.
 - 48.b. Method 24 (Appendix A to 40 CFR Part 60) to determine the mass fraction of non-aqueous volatile matter which may substitute for mass fraction of organic HAP.
 - 48.c. An alternative method following the procedure outlined in 40 CFR 63.7(f) and which the Department approves.
 - 48.d. Information from the supplier or manufacturer of the material:

- 48.d.1. The permittee shall include in the organic HAP total each organic HAP that is present at 0.1 percent by mass or more as specified in 29 CFR 1910.1200(d)(4).
- 48.d.2. If there is a disagreement between information collected from the manufacturer and the results of a test conducted according to the procedures outlined in 48.a through 48.c, then the test method results will take precedence unless, after consultation, the permittee demonstrates to the Department's satisfaction that the formulation data is correct.
- 48.e. Solvent blends:
 - 48.e.1. May be listed as single components for some materials in data provided by manufacturers.
 - 48.e.2. May contain organic HAP, which must be counted toward the total organic HAP mass reaction of the materials.
 - 48.e.3. If test or manufacturer's data is not available, the permittee may use the default values for the mass fraction of organic HAP in the solvent blends listed in Table 1 and Table 2 and according to condition 33.f.1 through 33.f.5.
- 49. The permittee must determine the mass fraction of coating solids (kg (lb) of coating solids per kg (lb) of coating) for each coating used during each month using one of the following options: [40 CFR 63.4541(b) and 40 CFR 63.4551(b)]
 - 49.a. Method 24 (Appendix A to 40 CFR Part 60) to determine the mass fraction of coating solids.
 - 49.b. An alternative method following the procedure outlined in 40 CFR 63.7(f) and which the Department approves.
 - 49.c. Information from the supplier or manufacturer of the material, see condition 48.d.2.

In addition, when the permittee uses the compliant method option, then:

- 50. Calculate the organic HAP content, kg (lb) organic HAP emitted per kg (lb) coating solids used of each coating used during the rolling 12-month period using the equation below. [40 CFR 63.4541(c)]

$$H_c = \frac{W_c}{S_c} \quad \text{Equation 9}$$

Where:

- H_c = Organic HAP content of the coating, kg (lb) or organic HAP emitted per kg (lb) coating solids used.
- W_c = Mass fraction of organic HAP in the coating, kg organic HAP per kg coating, determined according to condition 48.
- S_c = Mass fraction of coating solids, kg coating solids per kg coating, determined according to condition 49.

In addition, when the permittee uses the emission rate without add-on controls option, then:

51. The permittee must determine the density of each liquid coating, thinner and/or other additive, and cleaning material used during each month by either a test, information provided by the manufacturer of the material, or by reference sources providing density or specific gravity data for pure materials as specified below: [40 CFR 63.4551(c)]
 - 51.a. ASTM Method D21475-98. If the results from this test disagree with information obtained by using 51.b through 51.c, then the test results will take precedence unless, after consultation, the permittee demonstrates to the Department's satisfaction that the formulation data is correct.
 - 51.b. Alternative method upon Department approval. The permittee must follow the procedure in 40 CFR 63.7(f) to submit an alternative test method for approval.
 - 51.c. Information from the supplier or manufacturer, see condition 48.d.2.
52. If the permittee purchases materials or monitors consumption by weight instead of volume, then the permittee: [40 CFR 63.4551(c)]
 - 52.a. Does not need to determine material density; but instead, shall
 - 52.b. Use the material weight in place of the combined terms for density and volume in Equation 4 through Equation 6 and Equation 10, as described in conditions 42.b, 42.c, 42.d, and 57.
53. The permittee shall determine the volume (liters) of each coating, thinner and/or other additive, and cleaning material used during each month by measurement or usage records. [40 CFR 63.4551(d)]
 - 53.a. If the permittee purchases materials or monitors consumption by weight instead of volume, then the permittee:
 - 53.a.1. Does not need to determine the volume of each material used; but instead, shall
 - 53.a.2. Use the material weight in place of combined terms for density and volume in Equation 4 through Equation 6 and Equation 10, as described in conditions 42.b, 42.c, 42.d, and 57.
54. The permittee shall calculate the mass of organic HAP emissions using Equation 3 as set out in condition 42 and according to condition 42.a. [40 CFR 63.4551(e)]
55. The permittee shall calculate the kg organic HAP in the coatings used during the month using Equation 5 as set out in condition 42.c. [40 CFR 4551(e)(2)]
56. The permittee shall calculate the kg organic HAP in the cleaning materials used during the month using Equation 6 as set out in condition 42.d and according to condition 43. [40 CFR 4551(e)(3) and (4)]

57. The permittee shall calculate the total mass of coating solids used, in kg, using the equation below: [40 CFR 63.4551(f)]

$$M_{st} = \sum_{i=1}^m (Vol_{c,i})(D_{c,i})(M_{s,i}) \quad \text{Equation 10}$$

Where:

- M_{st} = Total mass of coating solids used during that month, kg.
- $Vol_{c,i}$ = Total volume of coating, i , used during the month, liters.
- $D_{c,i}$ = Density of coating, i , kgs per liter coating, determined according to condition 51.
- $M_{s,i}$ = Mass fraction of coating solids for coating, i , kgs solids per kg coating, determined according to permit condition 49.
- m = Number of coatings used during the month.

58. The permittee shall calculate the organic HAP emission rate on a rolling 12-month basis (as determined monthly), kg (lb) organic HAP emitted per kg (lb) coating solids used. The permittee shall not include any coatings, thinners and/or other additives, or cleaning materials used on coating operations for which the compliant material option was used when using the following equation: [40 CFR 63.4551 and 63.4551(g)]

$$H_{yr} = \frac{\sum_{y=1}^n H_e}{\sum_{y=1}^n M_{st}} \quad \text{Equation 11}$$

Where:

- H_{yr} = The rolling 12-month average organic HAP emission rate, kg organic HAP emitted per kg coating solids used.
- H_e = Total mass of organic HAP emissions from all materials used during month, y , kg, as calculated by Equation 3 and described in condition 42.
- M_{st} = Total mass of coating solids used during the month, y , kg, as calculated by Equation 10 and described in condition 57 of this section.
- y = Month identifier.
- n = Number of full or partial months in the compliance period (for the initial compliance period, n equals 12 if the compliance date falls on the first day of a month; otherwise n equals 13; for all following compliance periods, n equals 12).

TESTING REQUIREMENTS

59. 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]
- 59.a. Unless otherwise specified by a state or federal regulation, the permittee must submit a source test plan to the Department at least 30 days prior to the date of the test. The test plan must be prepared in accordance with the Source Sampling Manual and address any planned variations or alternatives to prescribed test methods. The permittee should be aware that if significant variations are requested, it may require more than 30 days for the Department to grant approval and may require EPA approval in addition to approval by the Department.
- 59.b. 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.
- 59.c. Unless otherwise specified by permit condition or Department approved source test plan, all compliance source tests must be performed as follows:
- 59.c.1. At least 90% of the design capacity for new or modified equipment;
- 59.c.2. At least 90% of the maximum operating rate for existing equipment; or
- 59.c.3. At 90 to 110% of the normal maximum operating rate for existing equipment. For purposes of this permit, the normal maximum operating rate is defined as the 90th percentile of the average hourly operating rates during a 12 month period immediately preceding the source test. Data supporting the normal maximum operating rate must be included with the source test report.
- 59.d. 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.
- 59.e. 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.

MONITORING REQUIREMENTS

The monitoring conditions in this section are based on OAR 340-218-0050(3)(a); unless otherwise specified.

60. 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.

GENERAL MONITORING REQUIREMENTS

61. The permittee must not knowingly render inaccurate any required monitoring device or method. [OAR 340-218-0050(3)(a)(E)]

62. 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)]
63. 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)]

FACILITY WIDE MONITORING REQUIREMENTS

64. At least once each month for a minimum period of 30 minutes at the TMP facility and 10 minutes at the PMP facility, the permittee must visually survey the plant for any sources of visible emissions. For the purpose of this survey, excess fugitive emissions are considered to be any visible emissions that leave the plant site boundaries. The person conducting the observation 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. If sources of visible emissions are identified, the permittee must:
 - 64.a. immediately take corrective action to minimize the visible emissions, including but not limited to those actions identified in condition 7; or
 - 64.b. an EPA method 9 certified observer shall monitor and record the opacity of each source of visible emissions in accordance with EPA Method 9 within 14 working days. The visible emission inspection shall be performed during normal plant operations.
 - 64.c. If the observer is unable to conduct the inspection and/or EPA Method 9 tests due to visual interferences caused by other visible emissions sources or due to weather conditions, the observer shall note such conditions on the data observation sheet and make at least three attempts to conduct the inspection and/or tests at approximately 2 hour intervals. If no observations are made for that day, the observer shall continue to attempt to conduct the inspection and/or EPA Method 9 tests daily until a valid observation is made.
 - 64.d. Each EPA Method 9 test shall be conducted for a minimum period of six minutes. If any of the observations exceed the applicable opacity limit for the emission source, the observation period shall continue until 60 minutes of observations have been completed or until an exceedance of the applicable condition has been documented.
 - 64.e. The permittee shall maintain records of all visible emission inspections and the results, as well as all Method 9 readings and results, if required;
65. The permittee must maintain a log of each nuisance complaint received by the permittee during the operation of the facility. Documentation must include date of contact, time of observed nuisance condition, description of nuisance condition, location of receptor, status of plant operation during the observed period, and time of response to complainant. A plant representative must immediately investigate the condition following the receipt of the nuisance complaint and a plant representative must provide a response to the complainant within 24 hours, if possible. This condition is only enforceable by the state. [OAR 340-218-0050(3)(a)]

EMISSIONS UNIT SPECIFIC MONITORING

66. Once per calendar quarter, the permittee shall conduct monitoring pertaining to condition 6 (odor rule) as follows: [This condition is only enforceable by the State]
 - 66.a. A representative of the permittee shall monitor for odors within 100 ft. of the following locations;
 - 66.a.1. At the intersection of N. Willamette Blvd. and N. Wellesley Street;
 - 66.a.2. At the intersection of N. Willamette Blvd. and N. Menlo Street; and

- 66.a.3. 100 feet north of the intersection of N. Willamette Blvd. and Killingsworth Street.
- 66.b. The permittee's representative shall monitor for odors for a minimum of fifteen (15) minutes at each location and the following information recorded:
- 66.b.1. The name of the odor monitor;
 - 66.b.2. The operating condition of the facility;
 - 66.b.3. The date, time and location;
 - 66.b.4. The approximate local wind direction and estimated wind speed;
 - 66.b.5. The type and character of any odor detected.
67. The permittee shall maintain a log recording all written complaints, or complaints received via telephone or facsimile, that specifically refers to a complaint of odor from the permitted facility for monitoring pertaining to condition 6. The log shall also record permittee's actions to investigate the complaint, and actions taken resolve the complaint, if any. The monitoring in condition 67 is only enforceable by the state.
68. The permittee shall conduct monitoring pertaining to condition 8 by recording actions taken in response to an Air Pollution Alert, Warning, or Emergency Episode.
69. The permittee shall conduct monitoring pertaining to conditions 9 and 10 by maintaining a list of all Class I and Class II substances (as defined within 40 CFR Part 82) used in the manufacture of or contained within any product incorporated into any product of this facility.

**Monitoring Requirements for Emissions Unit 1-AC
All Coating Application at the TMP**

70. For monitoring pertaining to conditions 12 and 13 (opacity less than 20%) and condition 14 (grain loading less than 0.1 gr/dscf), the permittee shall perform the visible emission inspection as required by condition 64.
71. The permittee shall conduct monitoring pertaining to condition 15 (RACT) at the TMP as follows:
- 71.a. On days when each coating used individually meets the RACT limits in condition 15 the permittee shall maintain a current list of all coatings used at the TMP including but not limited to the following information for each coating:
Coating List
 - 71.a.1. Coating Name and Identification
 - 71.a.2. Base, coating catalyst, and reducer used, excluding tints;
 - 71.a.3. Mix Ratio of base and catalyst used, excluding tints;
 - 71.a.4. VOC content of coating as applied, excluding water
 - 71.b. On days when any coating used* at the facility exceeds the RACT limits in condition 15, the permittee shall maintain a log of all coatings used at the facility including, but not limited to the following information:
Coating Log
 - 71.b.1. Coating name;
 - 71.b.2. RACT type**;
 - 71.b.3. Quantity of each coating used, in gallons.
 - 71.b.4. The VOC content*** of each coating as applied, in lbs-VOC/gallon, excluding water.

*Coatings mixed by the mixing machine(s) shall be considered used when they are dispensed.

RACT type means **CC, **FA**, **EP**, or **OC**, as described below.

***The permittee shall use the VOC content supplied by the manufacturer on the MSDS Sheet or other manufacturer supplied information, for emissions calculations.

- 71.c. The permittee shall perform the following calculations in addition to maintaining the coating log:

RACT Calculation

- 71.c.1. The permittee shall calculate RACT allowable VOC emissions and Actual VOC emissions using the information below and Equation 12 in order to monitor compliance:

Actual VOC emissions = the sum total of VOCs emitted from each coating listed on the coating list, which is: gallons used x lbs-VOC/per gallon

RACT allowable VOC emissions =

$$(CC \times 4.3) + ((FA + EP) \times 3.5) + (OC \times 3.0) \quad \text{Equation 12}$$

Where:

- CC* = Clear Coatings (gallons, excluding water)
- FA* = Forced Air Dried or Air Dried Coatings (gallons, excluding water) with a cure temperature of 194°F or less as designated by the manufacturer.
- EP* = Extreme Performance Coatings (gallons, excluding water)
- OC* = Other Coatings (gallons, excluding water), including those with a cure temperature higher than 194°F, as designated by the manufacturer.

- 71.c.2. For purposes of determining compliance with the daily RACT, a day is a 24 hour period. The permittee may choose to start the 24 hour period at any time of day. When the starting time is changed, the permittee shall notify the Department in writing within 7 days.
- 71.d. The permittee shall be in compliance with condition 15 on days when only RACT compliance coatings are used, or on days when Actual VOC emissions do not exceed the RACT allowable VOC emissions.

**Monitoring Requirements For Emissions Unit 2-AC
All Coating Application at the PMP**

72. For monitoring pertaining to conditions 12 and 13 (opacity less than 20%) and condition 14 (grain loading less than 0.1 gr/dscf), the permittee shall perform the visible emission inspection as required by condition 66.
73. The permittee shall conduct monitoring pertaining to condition 16 (RACT) at the PMP as follows:
- 73.a. On days when each coating used individually meets the RACT limits in condition 16 the permittee shall maintain a current list of all coatings used at the TMP including but not limited to the following information for each coating:

Coating List

- 73.a.1. Coating Name and Identification
73.a.2. Base, coating catalyst, and reducer used, excluding tints;
73.a.3. Mix Ratio of base and catalyst used, excluding tints;
73.a.4. VOC content of coating as applied, excluding water

- 73.b. On days when any coating used* at the facility exceeds the RACT limits in condition 16, the permittee shall maintain a log of all coatings used at the facility including, but not limited to the following information:

Coating Log

- 73.b.1. Coating name;
73.b.2. RACT type**;
73.b.3. Quantity of each coating used, in gallons.
73.b.4. The VOC content*** of each coating as applied, in lbs-VOC/gallon, excluding water.

Notes:

* Coatings mixed by the mixing machine(s) shall be considered used when they are dispensed.

** RACT type means **CC**, **FA**, **EP**, or **OC**, as described below.

*** The permittee shall use the VOC content supplied by the manufacturer on the MSDS Sheet or other manufacturer supplied information, for emissions calculations.

- 73.c. The permittee shall perform the following calculations in addition to maintaining the coating log:

RACT Calculation

- 73.c.1. The permittee shall calculate RACT allowable VOC emissions and Actual VOC emissions using the information below and as set out in condition 71.c.1 in order to monitor compliance.

Actual VOC emissions = the sum total of VOCs emitted from each coating listed on the coating list, which is: gallons used x lbs-VOC/per gallon.

RACT allowable VOC emissions =

$$(CC \times 4.3) + ((FA + EP) \times 3.5) + (OC \times 3.0)$$

Where:

CC = Clear Coatings (gallons, excluding water)

- FA* = Forced Air Dried or Air Dried Coatings (gallons, excluding water) with a cure temperature of 194°F or less as designated by the manufacturer.
- EP* = Extreme Performance Coatings (gallons, excluding water)
- OC* = Other Coatings (gallons, excluding water), including those with a cure temperature higher than 194°F, as designated by the manufacturer.

73.c.2. For purposes of determining compliance with the daily RACT, a day is a 24-hour period. The permittee may choose to start the 24-hour period at any time of day. When the starting time is changed, the permittee shall notify the Department in writing within 7 days.

73.d. The permittee shall be in compliance with condition 16 on days when only RACT compliance coatings are used, or on days when Actual VOC emissions do not exceed the RACT allowable VOC emissions.

Monitoring Requirements For Emissions Unit 5-BO Natural Gas Combustion Devices

74. The permittee shall conduct monitoring pertaining to condition 17 (opacity less than 20%), condition 18 (grain loading less than 0.1 gr/dscf) and condition 19 (particulate emissions less than 0.27 lb/MMBtu) by only burning natural gas in the devices included in EU ID 5-BO and shall monitor all fuel used in the devices in accordance with the requirements of condition 75.

MONITORING REQUIREMENTS FOR THE PLANT SITE EMISSION LIMITS

75. Each month, the permittee shall determine compliance with the Plant Site Emission Limits (PSELs) in condition 29 and as required by the following:

- 75.a. The permittee shall monitor and record the Monitored Parameters listed in Table 3 and shall determine compliance with the PSELs by:
- 75.a.1. Calculating the monthly emissions from each emissions unit listed below, by pollutant;
 - 75.a.2. Calculating the emissions for the preceding 12 calendar month period, by pollutant; and
 - 75.a.3. Completing the calculations required by this condition for the preceding month not later than the end of the following month.
- 75.b. Emissions from the emissions units listed in Table 3 shall be calculated using Equation 13 for each pollutant.

$$E = MP \times EF \quad \text{Equation 13}$$

Where:

- E* = Emissions
- MP* = Monitored Parameter
- EF* = PSEL Emission Factor

Table 3: PSEL Emission Factors:

EU ID	Pollutant	PSEL Emission Factor *	Monitored Parameter (Monthly value)	Parameter Units
1-AC	PM/ PM ₁₀ /PM _{2.5}	0.033 Lb/Lb paint solids	Paint solids	Lbs - paint solids
2-AC	PM/ PM ₁₀ /PM _{2.5}	0.033 Lb/Lb paint solids	Paint solids	Lbs - paint solids
5-BO	PM/ PM ₁₀ /PM _{2.5} SO ₂ NO _x CO VOC	0.012 Lb/Million BTU 0.0026 Lb/Million BTU 0.1 Lb/Million BTU 0.021 Lb/Million BTU 0.0073 Lb/Million BTU	Natural gas use Natural gas use Natural gas use Natural gas use Natural gas use	Million BTU/month Million BTU/month Million BTU/month Million BTU/month Million BTU/month

* The PSEL EFs are not enforceable as emission limitations or standards.

75.b.1. The monthly paint solids is the total of the monthly paint solids used minus the monthly quantity of paint solids disposed offsite.

75.b.2. The monthly natural gas use is the total natural gas consumption of all devices included in EU ID 5-BO.

75.c. Emissions from the emissions units listed below shall be reported as the values listed in Table 4.

Table 4

EU ID	Pollutant	Monthly Value	Units
6-CUT	PM/PM ₁₀ /PM _{2.5}	85.6	lb/month
	NO _x	2,782	lb/month

75.d. The permittee shall determine monthly VOC emissions from EU ID 7-VOC (non-combustion VOCs) by:

75.d.1. Monitoring the monthly quantity of VOCs emitted by coatings mixed by the mixing machine(s), and

75.d.2. Performing the following calculations as set out in Equation 14 for each calendar month:

Equation 14

$$MM + (DTP \times (AVMSC - VOC_{waste}))$$

Where:

MM = Actual monthly VOC emissions from coatings dispensed from mixing machine(s).

DTP = Actual monthly truck production.

AVMSC = Average non-mixing machine VOC emissions per truck, calculated using the previous month's total non-combustion VOC emissions minus the mixing machine coating emissions, divided by the truck production for the previous month (resulting in lbs VOC/truck).

VOC_{waste} = Average VOC waste shipped offsite, per truck calculated using the previous month's Total Waste Shipped Offsite (as set out in Equation 15), divided by the previous month's total truck production.

Total Waste Shipped Off-Site =

$$M_{dis} \times \% VOC_{dis}$$

Equation 15

Where:

M_{dis} = Weight of VOC containing waste shipped off site.

$\%VOC_{dis}$ = VOC content of waste (lb per lb).

NESHAP MONITORING REQUIREMENTS FOR SUBPART MMMM: [40 CFR Part 63 Subpart MMMM]

When the permittee uses the compliant method option, then:

76. The permittee shall demonstrate compliance by not using any coatings for which the organic HAP content, determined by using Equation 2 and set out in condition 37, exceeds the limit in condition 31. [40 CFR 63.3891(a)]
77. The permittee shall not use any thinner and/or other additive, or cleaning material which contains organic HAP, as determined in condition 37, based on a 12-month period. [40 CFR 63.3891(a)]
78. The use of any coating, thinner and/or other additive, or cleaning material that does meet the criteria set out in condition 33 is considered a deviation and must be reported as such and as outlined in condition 101. [40 CFR 63.3942(b)]

When the permittee uses the emission rate without add-on controls option, then:

79. The permittee shall demonstrate compliance by calculating the organic HAP emission rate based on a rolling 12-month period. The calculations as set out in conditions 54 through 58 must be calculated on a monthly basis using data from that month and the preceding 11 months of operation. [40 CFR 63.3891(b)]
80. Any organic HAP emission rate for any rolling 12-month period which exceeds the emission limit as set out in condition 47.a is considered a deviation and must be reported as such and as outlined in condition 101. [40 CFR 63.3952(b)]

NESHAP MONITORING REQUIREMENTS FOR SUBPART PPPP: [40 CFR Part 63 Subpart PPPP]

When the permittee uses the compliant method option, then:

81. The permittee shall demonstrate compliance by not using any coatings for which the organic HAP content, as determined by using Equation 9 and set out in condition 50, exceeds the limit in condition 47.a. [40 CFR 63.4542(a)]
82. The permittee shall not use any thinner and/or other additive, or cleaning material which contains organic HAP, as determined in condition 48 based on a 12-month period. [40 CFR 63.4542(a)]
83. The use of any coating, thinner and/or other additive, or cleaning material that does meet the criteria set out in condition 48 is considered a deviation and must be reported as such and as outlined in condition 101. [40 CFR 63.4542(b)]

When the permittee uses the emission rate without add-on controls option, then:

84. The permittee shall demonstrate compliance by calculating the organic HAP emission rate based on a rolling 12-month period. The calculations as set out in conditions 54 through 58 must be calculated on a monthly basis using data from that month and the preceding 11 months of operation. [40 CFR 63.4552(a)]
85. Any organic HAP emission rate for any rolling 12-month period which exceeds the emission limit as set out in condition 47.a is considered a deviation and must be reported as such and as outlined in permit condition 101. [40 CFR 63.4552(b)]

RECORDKEEPING

The recordkeeping conditions in this section are based on OAR 340-218-0050(3)(b); unless otherwise specified.

General Recordkeeping Requirements

86. The permittee must maintain the following general records of testing and monitoring required by this permit: [OAR 340-218-0050(b)(A)]
 - 86.a. The date, place as defined in the permit, and time of sampling or measurements;
 - 86.b. The date(s) analyses were performed;
 - 86.c. The company or entity that performed the analyses;
 - 86.d. The analytical techniques or methods used;
 - 86.e. The results of such analyses;
 - 86.f. The operating conditions as existing at the time of sampling or measurement; and
 - 86.g. The records of quality assurance for continuous monitoring systems (including but not limited to quality control activities, audits, calibration drift checks).
87. 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) will 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 will not be considered a missing record. [OAR 340-214-0110, 340-214-0114, and 340-218-0050(3)(b)]
88. 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)]
89. 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 (or other original data) for continuous monitoring instrumentation, and copies of all reports required by the permit. All existing records required by the previous Air Contaminant Discharge Permit or Oregon Title V Operating Permit must also be retained for five (5) years from the date of the monitoring sample, measurement, report, or application. [OAR 340-218-0050(b)(B)]
90. The permittee shall maintain the following specific records of required monitoring information that include the following:

- 90.a. Monthly records of truck production;
- 90.b. Daily coating logs, as required;
- 90.c. Records of the RACT calculation for days when performed;
- 90.d. Records of quarterly odor audits;
- 90.e. Records of semi-annual visible emission inspections;
- 90.f. Monthly records of natural gas used;
- 90.g. The manufacturer's efficiency rating of the particulate control filters used in all paint spray booths;
- 90.h. Monthly records of non-coating VOCs used;
- 90.i. Monthly records of the AVMSC VOC use, per truck;
- 90.j. Monthly and rolling 12-month plant-wide VOC emissions;
- 90.k. Monthly paint solids used;
- 90.l. Monthly non-VOC HAPs used;
- 90.m. Monthly paint solids contained in paint waste disposed offsite;
- 90.n. Monthly quantities of VOCs contained in waste disposed off site;
- 90.o. A list of all Class I and Class II substances (as defined within 40 CFR Part 82) used in the manufacture of or contained within any product incorporated into any product of this facility.

Source Specific Recordkeeping Requirements

91. Source specific recordkeeping requirements:

- 91.a. The permittee must maintain records of the fugitive emissions surveys, corrective actions (if necessary), and/or the results of any Modified EPA Method 9 (see page 2 of the permit) tests.
- 91.b. Type and amount of fuels

RECORDKEEPING REQUIREMENTS FOR THE PLANT SITE EMISSION LIMITS:

- 92. The permittee shall maintain the following records on a monthly basis for VOC_{waste} as set out in condition 75.d for any month the permittee chooses to subtract the VOC_{waste} from the VOC emissions:
 - 92.a. Records of the total weight of VOC containing wastes shipped offsite,
 - 92.b. Records of chemical analyses of a representative sample of waste shipped showing percentage VOC content.
- 93. The permittee shall maintain the following records on a monthly basis for AVMSC as set out in condition 75.d:
 - 93.a. Usage records of miscellaneous VOC (other than VOC in coatings) and non-mixing machine coating usage
 - 93.b. The name and quantity of each VOC containing product or coating used, in gallons or lbs.
 - 93.c. The VOC content of each VOC containing product or coating in lbs-VOC/gal or lbs-VOC/lb, (based on Material Safety Data Sheets or other representative information).

NESHAP RECORDKEEPING REQUIREMENTS FOR SUBPART MMMM: [40 CFR Part 63 Subpart MMMM]

- 94. The permittee shall maintain the following records for five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The permittee shall maintain the records on site for two (2) years in such a manner that they may be readily accessed and are suitable for inspection according to 40 CFR 63.10(b)(1). The permittee may keep the records off-site for the remaining three (3) years: [40 CFR 63.3930 (a) through (j) and 40 CFR 63.3931(a) through (c)]

- 94.a. A copy of each notification and report submitted pertaining to compliance with 40 CFR 63 Subpart M.
- 94.b. A current copy of information provided by materials suppliers or manufacturers, such as manufacturer's formulation data, or test data used to determine the mass fraction of organic HAP and density for each coating, thinner and/or other additive, and cleaning material, and the volume fraction of coating solids for each coating.
- 94.c. If testing was conducted to determine mass fraction of organic HAP, density, or volume fraction of coating solids, the permittee must keep a copy of the test report.
- 94.d. If manufacturer information used was based on testing, the permittee must keep a copy of the summary sheet of results provided by the manufacturer.
- 94.e. A record of each coating operation, time period, and the compliance option used for each operation used.
- 94.f. A record of the name and volume of each coating, thinner and/or other additive, and cleaning material used during each compliance period.
- 94.g. A record of the mass fraction of organic HAP for each coating, thinner and/or other additive, and cleaning material used during each 12-month period unless the material is tracked by weight.
- 94.h. A record of the volume fraction of coating solids for each coating used during each compliance period as specified in conditions 76 and 79.
- 94.i. Records of the date, time, and duration of each deviation.

In addition, when the permittee uses the compliant method option, then:

- 95. The permittee must keep the following records for each compliance period: [40 CFR 63.3930(c)(2) and (d)]
 - 95.a. A record of the calculation of the organic HAP content for each coating as calculated using the equation in condition 37.
 - 95.b. The permittee may maintain purchase records for each material used rather than a record of the volume used in order to comply with condition 97.f.

In addition, when the permittee uses the emission rate without add-on controls option, then:

- 96. The permittee must keep the following records for each compliance period: [40 CFR 63.3930(c)(3) and (g) through (h)]
 - 96.a. A record of the calculation of the total mass of organic HAP emissions for the coatings, thinners and/or other additives, and cleaning materials used each month using Equation 3 through Equation 7.
 - 96.b. The calculation used to determine mass of organic HAP in waste materials as set out in condition 43, if applicable.
 - 96.c. If the permittee uses an allowance, R_w , in Equation 3, as set out in condition 42, then the permittee must also keep the following records:
 - 96.c.1. The name and address of each TSDF where the waste materials were sent;
 - 96.c.2. The date of each shipment;
 - 96.c.3. A statement of which Subparts specified under condition 43.b.1 apply to the facility;
 - 96.c.4. The identification of the coating operation which produced waste materials included in each shipment, as well as, the month(s) in which it occurred;
 - 96.c.5. The methodology used, in accordance with condition 43, to determine the following:
 - 96.c.5.1. The total amount of waste materials sent to or the amount collected, stored, and designated for transport to a TSDF each month;
 - 96.c.5.2. The mass of organic HAP contained in the waste materials, including:
 - 96.c.5.2.1 Sources for all data used in the determination,
 - 96.c.5.2.2 Methods used to generate the data,
 - 96.c.5.2.3 Frequency of testing or monitoring, and

96.c.5.2.4 Supporting calculations and documentation, including the waste manifest for each shipment.

- 96.d. The calculation of the total volume of coating solids used each month using Equation 10 as described in condition 57.
- 96.e. The calculation of each 12-month organic HAP emission rate using Equation 11 as described in condition 58.
- 96.f. The density for each coating, thinner and/or other additive, and cleaning material used during each rolling 12-month period.

NESHAP RECORDKEEPING REQUIREMENTS FOR SUBPART PPPP: [40 CFR Part 63 Subpart PPPP]

- 97. The permittee shall maintain the following records for five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The permittee shall maintain the records on site for two (2) years in such a manner that they may be readily accessed and are suitable for inspection according to 40 CFR 63.10(b)(1). The permittee may keep the records off-site for the remaining three (3) years: [40 CFR 63.4530 (a) through (h) and 40 CFR 63.4531(a) through (c)]
 - 97.a. A copy of each notification and report submitted pertaining to compliance with 40 CFR 63 Subpart PPPP.
 - 97.b. A current copy of information provided by materials suppliers or manufacturers, such as manufacturer's formulation data, or test data used to determine the mass fraction of organic HAP and density for each coating, thinner and/or other additive, and cleaning material, and the mass fraction of coating solids for each coating.
 - 97.c. If testing was conducted to determine mass fraction of organic HAP, density, or mass fraction of coating solids, the permittee must keep a copy of the test report.
 - 97.d. If manufacturer information used was based on testing, the permittee must keep a copy of the summary sheet of results provided by the manufacturer.
 - 97.e. A record of each coating operation, time period, and the compliance option used for each operation used.
 - 97.f. A record of the name and mass of each coating, thinner and/or other additive, and cleaning material used during each compliance period.
 - 97.g. A record of the mass fraction of organic HAP for each coating, thinner and/or other additive, and cleaning material used during each 12-month period.
 - 97.h. A record of the mass fraction of coating solids for each coating used during each compliance period.
 - 97.i. Records of the date, time, and duration of each deviation.

In addition, when the permittee uses the compliant method option, then:

- 98. The permittee must keep the following records for each compliance period: [40 CFR 63.4530(c)(2)]
 - 98.a. A record of the calculation of the organic HAP content for each coating, using Equation 9 as set out in condition 50.
 - 98.b. If the permittee uses an allowance, R_w , in Equation 3, as set out in condition 42, then the permittee must also keep the records set out in condition 96.c.

In addition, when the permittee uses the emission rate without add-on controls option, then:

- 99. The permittee must keep the following records for each compliance period: [40 CFR 63.4530(c)(3)]
 - 99.a. A record of the calculation of the total mass or organic HAP emissions for the coatings, thinners and/or other additives, and cleaning materials used each month using Equation 3

- through Equation 6 and Equation 10, and, if applicable, the calculation used to determine mass of organic HAP in waste materials according to condition 43.
- 99.b. The calculation of the total mass of coating solids used each month using Equation 10, as set out in condition 57.
 - 99.c. The calculation of each 12-month organic HAP emission rate using Equation 11 as set out in condition 58.

REPORTING REQUIREMENTS

The reporting conditions in this section are based on OAR 340-218-0050(3)(c); unless otherwise specified.

- 100. Excess Emissions Reporting The permittee must report all excess emissions as follows: [OAR 340-214-0300 through 340-214-0360]
 - 100.a. Immediately (within 1 hour of event) notify DEQ of an excess emission event by phone, email, or facsimile; and
 - 100.b. Within 15 days of the excess emissions event, submit a written report that contains the following information: [OAR 340-214-0340(1)]
 - 100.b.1. The date and time of the beginning of the excess emissions event and the duration or best estimate of the time until return to normal operation;
 - 100.b.2. The date and time the owner or operator notified DEQ of the event;
 - 100.b.3. The equipment involved;
 - 100.b.4. Whether the event occurred during planned startup, planned shutdown, scheduled maintenance, or as a result of a breakdown, malfunction, or emergency;
 - 100.b.5. Steps taken to mitigate emissions and corrective action taken, including whether the approved procedures for a planned startup, shutdown, or maintenance activity were followed;
 - 100.b.6. The magnitude and duration of each occurrence of excess emissions during the course of an event and the increase over normal rates or concentrations as determined by continuous monitoring or best estimate (supported by operating data and calculations);
 - 100.b.7. The final resolution of the cause of the excess emissions; and
 - 100.b.8. Where applicable, evidence supporting any claim that emissions in excess of technology-based limits were due to any emergency pursuant to OAR 340-214-0360.
 - 100.c. In the event of any excess emissions which are of a nature that could endanger public health and occur during non-business hours, weekends, or holidays, the permittee must immediately notify DEQ by calling the Oregon Accident Response System (OARs). The current number is 1-800-452-0311.
 - 100.d. 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 DEQ for prior authorization, as required in OAR 340-214-0310 and 340-214-0320. New or modified procedures must be received by DEQ 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.
 - 100.e. The permittee must notify DEQ of planned startup/shutdown or scheduled maintenance events.
 - 100.f. The permittee must continue to maintain a log of all excess emissions in accordance with OAR 340-214-0340(3). However, the permittee is not required to submit the detailed log with the semi-annual and annual monitoring reports. The permittee is only required to submit a brief summary listing the date, time, and the affected emissions units for each excess emission that occurred during the reporting period. [OAR 340-218-0050(3)(c)]
- 101. Permit Deviations Reporting: 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 15 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 Condition 100.

102. All required reports must be certified by a responsible official consistent with OAR 340-218-0040(5); [OAR 340-218-0050(3)(c)(D)]

NESHAP REPORTING REQUIREMENTS FOR SUBPART MMMM: [40 CFR Part 63 Subpart MMMM]

103. The permittee must submit the following information semiannually as required by condition 111: [40 CFR 63.3920]
- 103.a. Identification of the compliance option(s) for each coating operation during the reporting period.
 - 103.b. If the permittee switched between the compliance options specified in condition 47.b, the beginning and ending dates for each option used.
 - 103.c. The initial compliance period covers the period from January 2, 2007 through January 8, 2008; thus, the first reporting period for compliance with 40 CFR Part 63 Subpart MMMM is July 30, 2008, as specified in condition 111. Each subsequent reporting period for compliance is specified in condition 111.
 - 103.d. If there were no deviations from any emission limitations as set out in condition 47.a during the reporting period, the permittee must include a statement in the semiannual report as required by condition 111.

In addition, when the permittee uses the compliant material option, then:

104. The permittee must submit the following compliance report containing the following information semi-annually: [40 CFR 63.3942(c)]
- 104.a. If there was no deviation from the limit set out in condition 47.a, then the permittee shall submit a statement that the coating operation(s) were in compliance with the emission limitations set out in condition 47.a during the reporting period because no coatings, thinners and/or other additives, or cleaning materials were used for which the organic HAP content exceeded the emission limit in condition 47.a.
 - 104.b. If a deviation occurred during the reporting period, the permittee shall include the following with the semiannual report required by condition 111: [40 CFR 63.3920(a)(5) and 63.3910(c)(6)]
 - 104.b.1. A description and statement of the cause of each deviation.
 - 104.b.2. The identification of each coating used that deviated from the emission limit set out in condition 47.a and each thinner and/or additive, and cleaning material used that contained organic HAP, and the dates and time periods each was used.
 - 104.b.3. The calculation of the organic HAP content for each coating under 104.b.2.
 - 104.b.4. The mass fraction of organic HAP for each thinner and/or other additive, and cleaning material under 104.b.2.

In addition, when the permittee uses the emission rate without add-on controls option, then:

105. The permittee must submit the following compliance report containing the following information semi-annually: [40 CFR 63.3952(c) and 63.3920(a)(3)(v)]
- 105.a. If there was no deviation from the limit set out in condition 47.a, then the permittee shall submit a statement that the coating operation(s) were in compliance with the emission limitations set out in

- condition 47.a during the reporting period because the organic HAP emission rate for each compliance period was less than or equal to emission limit in condition 47.a.
- 105.b. The calculation results for each rolling 12-month organic HAP emission rate during the 6 month reporting period, as specified in condition 111.
- 105.c. If a deviation occurred during the reporting period, the permittee shall include the following with the semiannual report required by condition 111: [40 CFR 63.3920(a)(6)]
- 105.c.1. A description and statement of the cause of each deviation.
 - 105.c.2. The beginning and ending dates of each compliance period during which the 12-month organic HAP emission rate exceeded the emission limit in condition 47.a.
 - 105.c.3. The calculations from Equation 3 through Equation 8 used to determine the 12-month organic HAP emission rate for the compliance period in which the deviation occurred.
 - 105.c.4. The calculation used to determine mass of organic HAP in waste materials as set out in condition 43, if applicable. The permittee does not need to submit background data such as MSDS reports, supporting these calculations.

NESHAP REPORTING REQUIREMENTS FOR SUBPART PPPP: [40 CFR Part 63 Subpart PPPP]

106. The permittee must submit the following information semiannually to demonstrate continuous compliance as required by condition 111: [40 CFR 63.4542(c) and 63.4520(a)(3)(v)]
- 106.a. Identification of the compliance option for each coating operation during the reporting period.
 - 106.b. The initial compliance period covers the period from April 19, 2007 through April 19, 2008; thus, the first reporting period for compliance with 40 CFR Part 63 Subpart PPPP is July 30, 2008, as specified in permit condition 111. Each subsequent reporting period for compliance is specified in permit condition 111.
 - 106.c. If there was no deviation from the limit set out in condition 47.a, then the permittee shall submit a statement that the coating operation(s) were in compliance with the emission limitations set out in condition 47.a during the reporting period because the organic HAP emission rate for each compliance period was less than or equal to emission limit in condition 47.a.
 - 106.d. Results for each rolling 12-month organic HAP emission rate during the 6-month reporting period, as specified in permit condition 111.
107. If a deviation occurred during the reporting period, the permittee shall include the following with the semiannual report required by permit condition 111: [40 CFR 63.3920(a)(6)]
- 107.a. A description and statement of the cause of each deviation.
 - 107.b. The beginning and ending dates of each compliance period during which the 12-month organic HAP emission rate exceeded the emission limit in condition 47.a.
 - 107.c. The calculations used to determine the 12-month organic HAP emission rate for the compliance period in which the deviation occurred.
 - 107.d. The calculation used to determine mass of organic HAP in waste materials as set out in condition 43, if applicable. The permittee does not need to submit background data such as MSDS reports, supporting these calculations.

ALTERNATIVE COMPLIANCE TRACKING METHOD FOR NESHAP SUBPART MMMM AND PPPP
COMBINED [40 CFR 63.3980 and 40 CFR 63.4580]

108. As long as the permittee uses the same coating compounds on the metal and plastic parts that are coated, and coatings specific to metal or plastic are not used, compliance with the emission standards in NESHAP Subparts MMMM and PPPP may be demonstrated by assuming all of the coating compounds

were used on the metal parts; then assuming that all of the coating compounds were used on the plastic parts. This will allow for compliance demonstration when the exact amount of coating applied to each type of part (metal and plastic) cannot be accurately tracked, but the total amount of each coating can be tracked.

109. If coatings specific* to metal or plastic parts are used, they must be tracked separately and compliance with the applicable NESHAP must be demonstrated for those coatings. Coating unique to plastic parts should not be included in the compliance calculation for subpart MMMM; and coating unique to metal parts should not be included in the compliance calculation for subpart PPPP.

*specific to metal means 90% or more applied to metal parts; specific to plastic means 90% or more applied to plastic parts

110. The permittee must record the substrate each coating is applied to; metal, plastic or both.

Semi-annual and Annual Reports

111. The permittee must submit three (3) 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 EPA and two copies to the DEQ regional office. 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)]

111.a. The first semiannual report is due July 30 and consists of the semiannual compliance certification. [OAR 340-218-0080]

111.b. The annual report is due on February 15 and must consist of the following:

111.b.1. Plant-wide 12-month rolling VOC, PM, and PM₁₀ emissions for each month of the reporting year;

111.b.2. The 12-month rolling coating and solvent materials used for each month recorded on Department approved forms;

111.b.3. The 12-month non-coating VOC emissions for each month of the reporting year;

111.b.4. The 12-month rolling VOC emissions calculated for each month of the reporting year;

111.b.5. Quantities and types of fuels used on an annual basis;

111.b.6. The rolling 12-month truck production for each month of the reporting year;

111.b.7. Monthly non-VOC HAP use;

111.b.8. Miscellaneous VOC materials used monthly, recorded on Department approved forms;

111.b.9. A copy of the complaint log as set out in condition 65;

111.b.10. The emission fee report; [OAR 340-220-0100]

111.b.11. The excess emissions upset log as set out in condition 100; [OAR 340-214-0340]

111.b.12. The annual certification that the risk management plan is being properly implemented, OAR 340-244-0230; [OAR 340-218-0080(7)]

111.b.13. The second semiannual compliance certification as set out in condition 111.b. [OAR 340-218-0080]

111.b.14. All applicable reports pertaining to NESHAP MACT standards MMMM and PPPP as outlined in conditions 103 through 107.

112. The semi-annual compliance certification 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)]

- 112.a. The identification of each term or condition of the permit that is the basis of the certification;
- 112.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 requirements that are incorporated by reference into the permit. When certifying compliance with new applicable requirements that are not yet in the permit, the permittee must provide the information required by this condition.* If necessary, the owner or operator 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;
- 112.c. The status of compliance with terms and conditions of the permit for the period covered by the certification, including whether compliance during the period was continuous or intermittent. The certification must be based on the method or means designated in OAR 340-218-0040(6)(c)(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 340-200-0010, occurred; and
- 112.d. Such other facts as the Department may require to determine the compliance status of the source.
- 112.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)]

113. Addresses of regulatory agencies are the following, unless otherwise instructed:

DEQ – Northwest Region
 2020 SW 4th Avenue #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
 [OAR 340-218-0110]

114. 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]

Applicable Requirement	Reason Code
210-0100 through 0120	b
218-0050(4)	b
218-0090	b
218-0100	b
234-0200 through 0270	b
234-0300 through 0360	b
234-0400 through 0430	b
234-0500 through 0530	b
236-0100 through 0150	b
236-0200 and 0230	b

236-0300 through 0330	b
236-0400 through 0440	b
236-0500	b
244-0100 through 0200	b
256-0130 through 0140	b
256-0200 through 0470	b
258-0100 through 0310	b
258-0400	b
260-0010 through 0040	b
40 CFR part 55	b
40 CFR part 57	b

40 CFR part 60 (except subpart A and all Appendices)	b
40 CFR part 61 (except subpart A, M and all Appendices)	b
40 CFR part 63 (except subpart A, MMMM, PPPP and all Appendices)	b
40 CFR part 72	b
40 CFR part 73	b
40 CFR part 75	b
40 CFR part 76	b
40 CFR part 77	b
40 CFR part 78	b
40 CFR part 82 (except subpart F)	b
40 CFR part 85 through 89	b
232-0040 through 0150	b or c
232-0170 through 0230	b or c
242-0500 through 520	b or c
242-0600 and 0630	b or c
242-0700 through 0750	b or c
242-0760 through 0790	b or c
240-0150	b or c
240-0170	b or c
242-0400 through 0440	c
240-0100 through 0250	c
240-0300 through 0360	c
240-0500-560	c
240-0570-630	c
240-0400 through 0440	c
208-570	c or e
240-0110 through 0140	c or e
240-0160	c or e
240-0240	c or e
240-0320 and 0330	c or e
240-0350	c or e
226-0310 through 0320	e
234-0100 through 0140	e
Division 230	e
238-0060 through 0080	e
238-0100	e
228-0200 through 0210	e
228-0100 through 0130	f
226-0400	h
222-0040	h
222-0042	h
222-0045	h
222-0060	h
222-0070	h
222-0090	h
218-0050(8)	h

244-0100	h
268	h
212-0210 through 0280	h
202-all rules	i

Reason code definitions:

- b - the facility is not in this source category
- c - the facility is not in a special control/non attainment area
- e - the facility does not have this emissions unit
- f - the facility does not use this fuel type
- h - this method/procedure is not used by the facility
- i - this rule applies only to DEQ and regional authorities

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. Applicable Requirements [OAR 340-218-0010(3)(b)]

Oregon Title V Operating Permits do not replace requirements in Air Contaminant Discharge Permits (ACDP) issued to the source even if the ACDP(s) have expired. For a source operating under a Title V permit, requirements established in an earlier ACDP remain in effect notwithstanding expiration of the ACDP or Title V permit, unless a provision expires by its terms or unless a provision is modified or terminated following the procedures used to establish the requirement initially. Source specific requirements, including, but not limited to TACT, RACT, BACT, and LAER requirements, established in an ACDP must be incorporated into the Oregon Title V Operating Permit and any revisions to those requirements must follow the procedures used to establish the requirement initially.

G4. 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.

G5. 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.

G6. 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]

G7. 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.

G8. 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.

G9. 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.

G10. 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.

G11. 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.

G12. 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.

G13. 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.

G14. 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.

G15. 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.

G16. 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.

G17. 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.

G18. 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

G19. 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.

G20. 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.

G21. 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.

G22. 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.

G23. 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.

G24. 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.

G25. 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.

G26. 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.

G27. 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).

G28. 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.

G29. 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 S.W. 4th Avenue, Suite 400
Portland, OR 97201-4987
Telephone: (503) 229-5263

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