

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

Northwest Region
2020 SW 4th, Suite 400
Portland, OR 97201
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:

Owens-Brockway Glass Container Inc.
P.O. Box 20067
Portland, OR 97294-0067

INFORMATION RELIED UPON:

Application Number: 021919
Received: 06/29/2006

PLANT SITE LOCATION:

9710 N.E. Glass Plant Road
Portland, OR 97220

LAND USE COMPATIBILITY STATEMENT:

From: City of Portland
Dated: 03/14/1995

ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY

George Davis, Acting NWR AQ Manager

__03/07/2007_____
Date

Nature of Business: Glass Manufacturing
Primary SIC: 3221

RESPONSIBLE OFFICIAL:

Name: Mr. Dean Harris
Title: Plant Manager

FACILITY CONTACT PERSON:

Name: Mr. Andrew Frankowski
Title: Plant Engineer
Phone: (503) 251-9415

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LIST OF ABBREVIATIONS THAT MAYBE USED IN THIS PERMIT

ACDP	Air Contaminant Discharge Permit
acfm	actual cubic foot per minute
AQMA	Air quality management area
ASTM	American Society of Testing and Materials
Btu	British thermal unit
CFR	Code of Federal Regulations
CO	Carbon monoxide
CO ₂	Carbon dioxide
DEQ/ODEQ	Oregon Department of Environmental Quality
dscf	dry standard cubic foot
EF	emission factor
EPA	US Environmental Protection Agency
EU	Emissions unit
FBR	Free Board Ratio
FCAA	Federal Clean Air Act
ft ³	cubic feet
gr/dscf	grain per dry standard cubic foot
HAP	Hazardous Air Pollutant as defined by OAR 340-032-0130
HCFC	Hydro-chloro-fluoro-carbons
H ₂ S	Hydrogen Sulfide
ID	Identification number
I&M	Inspection and maintenance
LPG	Liquefied petroleum gas
MB	Material balance
mg/l	milligrams per liter
mvac	Motor vehicle air conditioner
NG	Natural gas
NO _x	Oxides of nitrogen
O ₂	Oxygen
OAR	Oregon Administrative Rules
ORS	Oregon Revised Statutes
O&M	Operation and maintenance
Pb	Lead
PCD	Pollution control device
PM	Particulate matter
PM ₁₀	Particulate mater less than 10 microns in size
ppm	Part per million
PSD	Prevention of Significant Deterioration
PSEL	Plant Site Emission Limit
RACT	Reasonably Available Control Technology
scf	Standard cubic foot
SERP	Source Emission Reduction Plan
SIP	State Implementation Plan
SNAP	Significant New Alternative Policy
SO ₂	Sulfur dioxide
ST	Source test
VE	Visible emissions
VMT	Vehicle miles traveled
VOC	Volatile organic compound

PERMITTED ACTIVITIES

1. Until 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 Conditions 8, 9, 19, 27, 29, and G21 are enforceable by the state only. [OAR 340-218-0060]

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

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

EU ID	EMISSIONS UNIT (EU) Description	EU Device ID	PCD	PCD ID
EU1	Raw material (excluding cullet) handling activities including unloading conveyor/elevator & storage silos	RMU1 to RMU3	Raw material baghouse Batch baghouse	RMBH-1 RMBH-2
EU2	Cullet crushers (in-house) Cullet processors (post-consumer)	CC1 to CC5 CPI to CP4	none	-- --
EU3	Material blending equipment including conveyors/elevators, weigh bin hopper & surge bin, mixerschargers.	RMB1 to RMB3	Batch baghouse	RMBH-2
EU4	Glass melting furnaces A, B, C, D	GM1 to GM4	none	--
EU5	Hot end surface treatment units SO ₂ treatment, and Mold swabbers	HEST1 - 4 SOT-1, MS1 to MS4	HEST Abatement (NH ₃ injected baghouse)	HEST-A -- --
EU6	Miscellaneous combustion sources: Refiners Forehearths Lehrs Mold burnout/curing oven Mold heat oven Quick fire oven	R1 to R4 FH1 to FH4 LH1 to LH4 MO-1 MH-1 QF-1	none	--
EU7	Boiler	B1	none	--
EU10	Machine repair dust collector at the machine repair area. Mold bench dust collector at the mold repair bench area.		Baghouse Baghouse	MRD-1 MBD-1

EMISSION LIMITS AND STANDARDS

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

Table-I. Facility-wide Emission Limits and Standards

Applicable Requirements		Pollutant/ Parameter	Limit/ Standard	Monitoring Requirements	
Oregon Administrative Rule	Condition Number			Method	Condition Number
340-206-0050	4	Pollutants specified	SERP	Recordkeeping	5
340-208-0210	6	Fugitive dust	Preventive maintenance	I&M Recordkeeping	7
340-208-0450	8	PM	> 250 micron	I&M Recordkeeping	10
340-208-0300	9	Nuisance	no nuisance	I&M Recordkeeping	

4. **REQUIREMENT:** In the event an Air Pollution Alert, Warning, or Emergency Episode for the pollutant specified below is declared in the Portland area by the Department, the permittee shall take the action appropriate to the episode condition as described below. 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. [OAR 340-206-0050]

<u>Episode Level</u>	<u>Pollutant</u>	<u>Action to be taken</u>
<u>Alert:</u>	<u>Any pollutant</u>	1. Review SERP to prepare for possible further action. 2. Postpone any scheduled increase in production. 3. Actively promote and organize car pools for employees.
<u>Warning:</u>	<u>PM₁₀</u>	1. Reduce production wherever feasible. 2. Postpone any maintenance on furnace or boiler firing system.
	<u>CO</u>	1. Organize car pooling to achieve at least 3 passengers per vehicle
	<u>Ozone</u>	1. Prohibit spray painting operations.
<u>Emergency:</u>	<u>Any pollutant</u>	1. Cease production and place glass furnaces on a shutdown status, except maintain the minimum temperature to prevent glass solidification. 2. Reduce the number of employees at the plant to a skeleton crew to prevent damage to process equipment and to provide security.

5. **MONITOR AND RECORD:** The permittee shall maintain a log summarizing actions taken during an applicable air pollution episode, pursuant to condition 4.
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6. **REQUIREMENT:** 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 in accordance with OAR 340-208-0210.
 7. **MONITOR AND RECORD:** The permittee shall inspect the area where fugitive visible emissions could occur, including but not limited to material transport and storage equipment, raw material unloading and handling area, cullet crushers, etc.
 - 7.a. The visible emissions survey shall be conducted at least once per week, unless otherwise approved in writing by the Department.
 - 7.b. The visible emissions survey shall be conducted during period when the potential for visible emissions exist such as when materials are being unloaded or when waste bins are being emptied, and during dry high-wind days.
 - 7.c. If visible fugitive emissions are present, check the equipment/operations for malfunction and correct the problem as needed.
 - 7.d. Inspect the material loading and unloading activities and improve the housekeeping activities and practices to help minimize fugitive emissions.
 - 7.e. Record in a log the date, weather conditions, inspection results and any clean-up and/or corrective actions taken.

 8. **REQUIREMENT:** The permittee shall not cause or permit the emission of any particulate matter larger than 250 microns in size at sufficient duration or quantity as to create an observable deposition upon the real property of another person, as required in OAR 340-208-0450. [State-only enforceable]
 9. **REQUIREMENT:** The permittee must not cause or allow air contaminants from any source to cause a nuisance. Nuisance conditions will be verified by Department personnel. [OAR 340-208-0300] [State-only enforceable]
 10. **MONITOR AND RECORD:** The permittee shall record in a log all written complaints or complaints received via telephone or in person by the responsible official or a designated appointee that specifically refer to a complaint of odor, visible emissions, or the particulate matter (> 250 micron) fall-out type of nuisance from the permitted facility. The log shall also record permittee's actions to investigate, make a determination as to the validity of the complaint, and resolve the problem within two working days or within such longer time (not to exceed 7 days) as is reasonably necessary to resolve the problem that led to the complaint.
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Table-II. Emissions Unit Specific Requirements

EU / EU Device, or PCD ID.	Applicable Requirements		Pollutant/ Parameter	Limit/ Standard	Monitoring Requirements	
	OAR / 40 CFR	Cond. No.			Method	Cond No.
GM1 & GM4	340-208-0110	11	Opacity	< 20%, 3 min.	COMS	13
GM1 & GM4	340-226-0210	12	PM/PM ₁₀	0.1 gr/scf		
GM1 & GM4	40 CFR 60.293 (b)	14	PM/PM ₁₀	1lb PM/ton glass	Source Testing	15
GM1 & GM4	40 CFR 60.293 (c)	16 & 17	Opacity	n/a	COMS	16 & 17
EU6, EU7	340-208-0110	18	Opacity	< 20%, 3 min.	VE Recordkeeping	23
GM2, GM3	340-208-0110	18	Opacity	< 20%, 3 min.	VE Recordkeeping	24
RMBH-1, RMBH-2, HEST-A, & MRD-1	340-208-0600	19	Opacity	< 20%, 30 sec.	VE Recordkeeping	23
EU7, GM2, GM3	340-228-0210	20	PM/PM ₁₀	0.2 gr/scf	VE Recordkeeping	23, 24
RMBH-2, MRD-1	340-226-0210	21	PM/PM ₁₀	0.2 gr/scf	VE Recordkeeping	23
RMBH-1 & HEST-A	340-226-0210	22	PM/PM ₁₀	0.1 gr/scf	VE Recordkeeping	23
EU4 and EU7.	340-228-0110	25	Distillate oil sulfur content	0.3% by weight 0.5% by weight	%S Analysis / Recordkeeping	26
SOT-1	340-208-0630	27	SO ₂	< 1,000 ppm	MB/Recordkeeping	28

11. **REQUIREMENT FOR GM1 & GM4:** The permittee shall not cause or allow the emissions of any air contaminant into the atmosphere for a period or periods aggregating more than three (3) minutes in any one hour that is equal to or greater than 20% opacity, excluding uncombined water, from glass melting furnaces GM1 and GM4. Opacity shall be measured in accordance with condition 13. [OAR 340-208-0110(2), 340-208-0110(3)(a)]
12. **REQUIREMENT FOR GM1 & GM4:** The permittee shall not cause or allow the emissions of particulate matter in excess of 0.1 grain per standard cubic foot, from glass melting furnaces GM1 and GM4 that were modified after June 1, 1970. Particulate matter emissions shall be measured in accordance with condition 40. [OAR 340-226-0210(1)(b)]
13. **MONITOR AND RECORD:** The permittee shall monitor visible emissions from the glass-melting furnaces GM1 and GM4 in accordance with the procedures, test methods, and frequencies specified in this condition.
 - 13.a. The opacity reading obtained from the continuous opacity monitoring system (COMS) shall be used to demonstrate compliance with the applicable 20% opacity limit.
 - 13.b. On a daily basis, the COMS shall be calibrated according to the manufacturer's specifications.
 - 13.c. All opacity meter readings and records of exceedances of the 20% opacity standard shall be kept at the plant site for inspection. Indicate the number of exceedance period(s) aggregating more than 3 minutes in any one-hour, which is equal to, or greater than 20% opacity, and the corresponding date(s), if any.

14. **PARTICULATE MATTER (PM) EMISSIONS STANDARD FOR GM1 & GM4:** The emissions of particulate matter from glass melting furnace GM1 or GM4 shall not exceed 0.5 grams per kilogram of glass produced (1 lb PM/ton glass), as measure in accordance with methods and procedures specified in condition 15. [40 CFR 60.293 (b)(1)]

15. **TESTING REQUIREMENT FOR GM1 & GM4:** At least once during the permit term, except as noted in condition 15.d, the permittee shall determine the PM emissions from glass melting furnace GM1 and GM4 in accordance with the following methods and procedures:

15.a. Compute the PM emission rate from each furnace using the following equation:

$$E = (c_s Q_{sd} - A) / P$$

where:

- E = emission rate of particulate matter, g/kg
- c_s = concentration of particulate matter, g/dscm
- Q_{sd} = volumetric flow rate, dscm/hr
- A = zero production rate correction, 227 g/hr
- P = glass production rate, kg/hr

15.b. Use EPA method 5 to determine the PM concentration (c_s) and volumetric flow rate (Q_{sd}) of the effluent gas. The sampling time and sample volume for each run shall be at least 60 minutes and 0.90 dscm (31.8 dscf).

15.c. Use direct measurement or material balance using good engineering practice to determine the amount of glass pulled during the performance test.

15.d. The source test performed within 12-months prior to the date of this permit issuance, and conducted in accordance with the methods and procedures specified in NSPS subpart CC, satisfies the testing requirement of this condition and no further testing is required during this permit term.

16. **OPACITY MONITORING REQUIREMENT FOR GM1 & GM4:** The permittee shall use continuous opacity monitoring system (COMS) to measure the opacity value of visible emissions discharged into the atmosphere from the glass-melting furnaces GM1 and GM4. [40 CFR 60.293 (c)]

16.a. The opacity value from each furnace shall be measured based on 6-minute averaging.

16.b. On a daily basis, calibrate the COMS according to the manufacturer's specifications.

16.c. On an annual basis, calibrate the COMS according to the procedures specified in 40 CFR 60, Appendix B, Performance Specification 1 (PS-1). The alternative procedures must be approved by the Department in writing.

16.d. All opacity readings including the records of "excess emissions" shall be compiled and readily accessible for inspection by the Department staff.

16.e. **Opacity Value:** During the source testing conducted per condition 15, calculate 6-minute opacity average from 24 or more data points equally spaced over each 6-minute period during the test runs

using COMS. For each furnace A and D, determine the Opacity Value corresponding to the 99 percent upper confidence level of a normal distribution of 6-minute average opacity values.

- 16.f. **Opacity Value:** The permittee may reset the Opacity Value for either furnace A or D determined in condition **16.e** by subsequent source testing in accordance with 40 CFR 60.293 (e).
- 16.g. **Report the Opacity Value** determined through source testing conducted per condition 16.e or 16.f within 45-days of testing as specified in Condition 39.c.
17. **REPORTING REQUIREMENT FOR GM1 & GM4:** The permittee shall report to EPA of all “excess emissions” determined from COMS readings of condition **16** in accordance with the procedures specified in this condition. [40 CFR 60.7 (d) & (e)]
- 17.a. For the purpose of the notification required under this condition, “excess emissions” are all of the opacity values based on 6-minute average that exceed the Opacity Value corresponding to the 99 percent upper confidence level determined in condition **16.e** or **16.f**.
- 17.b. For the first year, submit quarterly report (every 3-month, starting with January through March) that include summary of excess emissions, if any, for the preceding quarter:
- 17.b.i. Title-V reporting form **R1002-A** signed by responsible official;
 - 17.b.ii. Duration of excess emissions (minutes) and corresponding date and time;
 - 17.b.iii. explanation of the cause of excess emissions such as startup/shutdown, process problems, and/or other known and unknown causes;
 - 17.b.iv. total duration of excess emissions during the reporting period;
 - 17.b.v. total operating time of each corresponding furnace GM1 or GM4;
 - 17.b.vi. the percentage (%) of excess emissions in comparison to total furnace operating time;
 - 17.b.vii. the percentage (%) of COMS downtime, if any, in comparison to total furnace operating time.
 - 17.b.viii. Submit the quarterly report by no later than 30 days after the end of preceding quarter.
- 17.c. Reduce the frequency of excess emission reporting to semi-annually, which may coincide with the semi-annual reporting specified in conditions 44 and 45.a, if the following conditions are met: [40 CFR 60.7 (e)(1)]
- 17.c.i. The total duration of excess emissions determined in condition **17.b.vi** is less than 1% of the total furnace operating time for the entire year; and
 - 17.c.ii. COMS downtime determined in condition **17.b.vii** for the same period is less than 5% of the total furnace operating time.
- 17.d. If total duration of excess emissions or COMS downtime determined in condition **17.b.vi** or **17.b.vii** is equal to or greater than their respective percentage limit, increase the frequency of excess emission reporting to quarterly. In addition, the excess emission reporting shall conform to requirements specified in 40 CFR 60.7(c), in lieu of summary report described in condition **17.b**.
- 17.e. Condition 54 lists the mailing address of EPA.
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18. **REQUIREMENT FOR EU6, EU7, GM2, & GM3:** The permittee shall not cause or allow the emissions of any air contaminant into the atmosphere for a period or periods aggregating more than three (3) minutes in any one hour that is equal to or greater than 20% opacity, excluding uncombined water, from EU6 and EU7 stacks or GM2 & GM3 when operated. Opacity shall be measured in accordance with condition 23 for EU6 fuel-burning equipment and EU7 boiler. Opacity shall be measured in accordance with condition 24 for GM2 and GM3 furnaces. [OAR 340-208-0110(2), 340-208-0110(3)(a)]
19. **REQUIREMENT FOR BAGHOUSES:** 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 from all non-fuel burning emissions units and pollution control devices RMBH-1, RMBH-2, HEST-A, and MRD-1. Opacity shall be measured in accordance with condition 23. [OAR 340-208-0600] [State-only enforceable]
20. **REQUIREMENT FOR EU7, GM2, & GM3:** The permittee shall not cause or allow the emissions of particulate matter in excess of 0.2 grain per standard cubic foot, corrected to 12% CO₂ or 50% excess air, from the EU7 boiler and GM2 and GM3 furnaces when they are operated. Particulate matter emissions shall be measured in accordance with condition 40. [OAR 340-228-0210(1)(a)]
21. **REQUIREMENT FOR BAGHOUSE:** The permittee shall not cause or allow the emissions of particulate matter in excess of 0.2 grain per standard cubic foot, from emissions units RMBH-2 and MRD-1 baghouse installed before June 1, 1970. Particulate matter emissions shall be measured in accordance with condition 40. [OAR 340-226-0210(1)(a)]
22. **REQUIREMENT FOR BAGHOUSE:** The permittee shall not cause or allow the emissions of particulate matter in excess of 0.1 grain per standard cubic foot, from RMBH-1, and HEST-A baghouse installed or modified after June 1, 1970. Particulate matter emissions shall be measured in accordance with condition 40. [OAR 340-226-0210(1)(b)]
23. **MONITOR AND RECORD:** The permittee shall monitor visible emissions from each discharge stack of EU6 fuel burning equipment, EU7 boiler, RMBH-1, RMBH-2, and HEST-A baghouses in accordance with the procedures, test methods, and frequencies specified in this condition:
 - 23.a. The permittee shall conduct a six (6) minute visible emission survey at each monitoring point using the procedures outlined in EPA Method 22, starting with a frequency of once per calendar week. The minimum monitoring frequency specified is also the required interval between two consecutive monitoring periods, except as noted in conditions 23.f and 23.g
 - 23.b. All visible emissions observations shall be conducted during operating conditions that have the potential to create visible emissions (e.g. during loading/unloading for RMBH, etc.).
 - 23.c. If visible emissions, from an individual monitoring point, are detected for more than 5% (18 seconds) of the survey time, check the equipment for malfunction and correct the problem: Then re-check for visible emissions within four hours. If visible emissions persist for more than 5% of the time, an EPA Method 9 test shall be conducted on that monitoring point for a six (6) minute period in accordance with the Department's Source Sampling Manual. If any of the observations during the specified 6-minute period exceed the applicable 20% opacity limit, the observation period shall continue until 60 minute of observations have been completed or until an exceedance of the opacity standard has been documented.

- 23.d. If the observer is unable to conduct the survey and/or EPA Method 9 tests due to visual interference caused by other visible emissions sources (e.g., fugitive emissions during high wind conditions) or due to weather conditions such as fog, heavy rain, or snow, the observer shall note such conditions on the data observation sheet and make at least three attempts in same day to conduct the surveys and/or tests at approximately 2 hours intervals throughout the day. If no observations are made for that day, the observer shall continue to attempt to conduct the survey and/or EPA Method 9 daily until a valid observation is made.
- 23.e. Maintenance Requirements for RMBH-1, RMBH-2, HEST-A: If the opacity exceedance is noted, within 24 hours of the noted exceedance, the permittee shall follow up with an investigation and determine the cause of the problem, and take corrective actions as necessary to resolve the problem:
- 23.e.i. Check the baghouse/cyclone operations for any malfunction, and correct the malfunction if present.
 - 23.e.ii. Perform any needed maintenance and housekeeping activities to minimize and/or prevent fugitive emissions associated with the material handling activities.
- 23.f. Reduced Monitoring for RMBH-1, RMBH-2, HEST-A: If visible emissions surveys conducted during 10 consecutive observation weeks show no visible emissions for a particular source, the permittee may reduce the minimum monitoring frequency to once per month for that source. Anytime the monthly visible emissions survey show any visible emissions, or when requested by the Department inspector, the observations for that source of visible emissions shall start over with weekly surveys, as noted in condition 23.a.
- 23.g. Exemption for EU6 and EU7: As long as the EU6 fuel burning equipment and/or the EU7 boiler burn natural gas or LPG, visible emissions from that equipment is assumed to be in compliance with the 20% opacity standard; and the visible emissions survey required by this condition is waived for that equipment. For the purpose of fuel-usage verification, the permittee is required to monitor and record the type(s) of fuel used in the EU6 and EU7 fuel burning equipment, as specified in condition 37.a.
24. **MONITOR AND RECORD:** The permittee shall monitor visible emissions from the glass-melting furnace GM2 and GM3 in accordance with the procedures, test methods, and frequencies specified in this condition:
- 24.a. For the glass melting furnace GM2 and GM3 that has been shut down indefinitely, visible emissions monitoring specified in this condition is required only after it starts to melt glass again.
 - 24.b. At a minimum of once per calendar week, the permittee shall conduct an EPA Method 9 test of a six (6) minute period in accordance with the Department's Source Sampling Manual. The minimum monitoring frequency specified is also the required interval between two consecutive monitoring periods. If any of the observations during the specified 6-minute period exceed the applicable 20% opacity limit, the observation period shall continue until 60 minute of observations have been completed or until an exceedance of the opacity standard has been documented.
 - 24.c. All visible emissions observations shall be conducted during operating conditions that have the potential to create visible emissions (e.g. when melting glass).

- 24.d. If the observer is unable to conduct the survey and/or EPA Method 9 tests due to visual interference caused by other visible emissions sources (e.g., fugitive emissions during high wind conditions) or due to weather conditions such as fog, heavy rain, or snow, the observer shall note such conditions on the data observation sheet (i.e., the opacity recordkeeping book) and make at least three attempts in same day to conduct the surveys and/or tests at approximately 2 hours intervals throughout the day. If no observations are made for that day, the observer shall continue to attempt to conduct the survey and/or EPA Method 9 daily until a valid observation is made.
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25. **REQUIREMENT:** The permittee shall use only the following fuel oils in the EU4 furnaces and the EU7 boiler:
- 25.a. ASTM Grade-1 distillate fuel oil containing less than 0.3 percent sulfur by weight; and
- 25.b. ASTM Grade-2 distillate fuel oil containing less than 0.5 percent sulfur by weight. [OAR 340-228-0110]
26. **MONITOR AND RECORD:** The permittee shall monitor the sulfur content of each batch of ASTM grade distillate oil used in the furnaces (EU4) and boiler (EU7), in accordance with the following methods or procedures:
- 26.a. obtaining a sulfur analysis certificate from the vendor for each batch; or
- 26.b. analyzing or having analyzed by a contract laboratory a composite of representative samples taken by the permittee from each batch of fuel oil received. Liquid fuels shall be analyzed using ASTM D129-64, D1552-83, or D4057-81 Method, or other equivalent method approved by the Department.
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27. **REQUIREMENT:** The permittee shall not cause or allow the emission of sulfur dioxide in excess of 1000 ppm from the SO₂ treatment process (SOT-1). [OAR 340-208-0630] [State-only enforceable]
28. **MONITOR AND RECORD:** During each production cycle or at a minimum of once per month, which ever is shorter, if the formed glass product is treated with SO₂, the permittee shall monitor and record the following information:
- 28.a. The amount (lbs) of SO₂ used in the SOT-1 process; and
- 28.b. the estimated amount (ft³) of natural gas burned in Lehrs that the SO₂ treated bottles passed through.
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Table-III. Emission Limits and Standards applicable to Insignificant Activities

Applicable Requirements		Pollutant/ Parameter	Limit/Standard
OAR	Condition No.		
340-208-0600	29	Opacity	<20%, 30 sec.
340-208-0110(2)	30	Opacity	<20%, 3 min.
340-228-0210(1)(b)	31	PM/PM ₁₀	0.1 gr/dscf
340-226-0210(1)(b)	32	PM/PM ₁₀	0.1 gr/dscf
340-242-0730	33	VOC	Coating Spec.

29. **REQUIREMENT:** 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 insignificant non-fuel burning source. Opacity shall be measured in accordance with condition 40. [OAR 340-208-0600] [State-only enforceable]
30. **REQUIREMENT:** The permittee shall not cause or allow the emissions of any air contaminant into the atmosphere for a period or periods aggregating more than three (3) minutes in any one hour which is equal to or greater than 20% opacity, excluding uncombined water, from any insignificant non-fuel burning source. Opacity shall be measured in accordance with condition 40. [OAR 340-208-0110]
31. **REQUIREMENT:** The permittee shall not cause or allow the emissions of particulate matter in excess of 0.1 grain per standard cubic foot, corrected to 12% CO₂ or 50% excess air, from any fuel-burning insignificant source installed or modified after June 1, 1970; and 0.2 grain per standard cubic foot, corrected to 12% CO₂ or 50% excess air, from any fuel-burning insignificant source installed before June 1, 1970. Particulate matter emissions shall be measured in accordance with condition 40. [OAR 340-228-0210 (1)(b)]
32. **REQUIREMENT:** The permittee shall not cause or allow the emissions of particulate matter in excess of 0.1 grain per standard cubic foot, from any non-fuel-burning insignificant source installed or modified after June 1, 1970; and 0.2 grain per standard cubic foot from any fuel-burning insignificant source installed before June 1, 1970. This condition does not apply to fugitive emissions. Particulate matter emissions shall be measured in accordance with condition 40. [OAR 340-226-0210(1)(b)]
33. **REQUIREMENT:** 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]
34. **MONITOR, RECORD, & REPORT** No direct monitoring, recordkeeping, or reporting is required for Insignificant Activities.
35. **TEST** No testing is required for Insignificant Activities. However, if testing is conducted for the purpose of demonstrating compliance, or verifying emission factors, the permittee shall use the test methods referenced in condition 40.
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PLANT SITE EMISSION LIMITS

36. **ANNUAL PSEL REQUIREMENT:** The annual plant site emissions based on 12-month rolling average shall not exceed the amount (tons/year) specified in this condition: [OAR 340-222-0020 and 340-222-0040]:

Emission source	PM ₁₀	SO ₂	NO _x	CO	VOC	Pb
Plant Site Basis	132	313	711	99	39	0.5
Aggregate Insignificant Activities	1	1	1	1	1	--

37. **MONITOR AND RECORD:** The permittee shall determine compliance with the Plant Site Emissions Limits specified in condition 36 in accordance with the procedures, test methods, and frequencies identified in this condition. The permittee shall retain records of all parameters used to determine compliance with the PSEL:

37.a. The permittee shall monitor and maintain monthly and annual records of the following material and process parameters:

Operating Parameter (P _i)	EU/Device ID	Min. frequency	Method
Raw materials (tons) processed, excluding cullet.	P ₁ EU1	monthly	Recordkeeping
Inhouse & post-consumer Cullet (tons) processed.	P ₂ EU2	monthly	Recordkeeping
Raw materials (tons) processed.	P ₃ EU3	monthly	Recordkeeping
Glass (tons) melted * Natural Gas (10 ⁶ ft ³) burned Fuel Oil (gallons) burned	P ₄ EU4	monthly	Production Records, Fuel usage estimates from meter/gauge readings.
Swab materials (lbs) used (MS1-4). MBTT (tons) used (HEST1-4). SO ₂ (lbs) used (SOT-1).	P ₅ EU5	monthly	Recordkeeping
* Natural Gas (10 ⁶ ft ³) burned	P ₆ EU6	monthly	Fuel usage estimates from meter/gauge readings.
* Natural Gas (10 ⁶ ft ³) burned Fuel Oil (gallons) burned	P ₇ EU7	monthly	
Estimated hours of operations.	P ₁₀ EU10	monthly	Recordkeeping

* The permittee is allowed to switch from/to NG to/from Propane (LPG) at anytime.

37.b. At the end of each month, calculate the monthly emissions from each of the emissions units identified by applying operating parameter (P_i) identified in condition 37.a and the emission factors identified for that unit and specific pollutant specified in this condition 37.b below:

$$E_{MO,i} = P_i EF_{i,j} K$$

where: E_{MO,i} = monthly pollutant emissions from individual EU_i; lbs/month, or tons/month.
 P_i = operating parameters identified in condition 37.a.
 EF_{i,j} = emission factor for the pollutant and EU identified in this condition.
 K = Conversion factor; 1 ton/2,000 lbs or 2,000 lbs/2,000 lbs

Emission Factors (EF_i) for Process emissions units EU1, EU2, EU3, EU5, EU10

Emissions Unit	PM ₁₀	SO ₂	VOC	Unit
EU1	18 x 10 ⁻⁴	--	--	lbs/ton raw materials
EU2	18 x 10 ⁻²	--	--	lbs/ton cullet
EU3	18 x 10 ⁻⁴	--	--	lbs/ton raw materials
EU5	1	--	--	lbs/lb swab material
	22	--	90	lbs/ton MBTT used
	--	1	--	lbs/lb SO ₂ used
EU10	0.2	--	--	lbs/hr operated ⁽⁻¹⁻⁾

(-1-) multiply EF to estimated number of hours operated in month or year. **Default = 8760 hrs/yr.**

Emission Factors (EF_i) for Combustion emissions units EU4, EU6, EU7.

EU ID	Fuel/Op.Pr.	PM ₁₀ ⁽²⁾	SO ₂ ⁽¹⁾	NO _x	CO	VOC	Pb	UNIT
EU4	Distillate Oil	-b-	142 (%S)	-b-	5	0.56	--	lbs/1000 gal
EU4	Nat. gas ⁽⁻³⁻⁾	-b-	-b-	-b-	35	5.8	--	lbs/10 ⁶ ft ³
GM1	Glass melted	0.66	1.5	5.4	-a-	-a-	1.65 x 10 ⁻³	lbs/ton glass
GM2	Glass melted	0.98	2.9	6.2	-a-	-a-	1.65 x 10 ⁻³	lbs/ton glass
GM3	Glass melted	0.68	0.74	5.2	-a-	-a-	1.65 x 10 ⁻³	lbs/ton glass
GM4	Glass melted	0.70	1.8	5.6	-a-	-a-	1.65 x 10 ⁻³	lbs/ton glass
EU6	Nat. gas ⁽⁻³⁻⁾	2.5	2.6	100	21	5.3	--	lbs/10 ⁶ ft ³
EU7	Nat. gas ⁽⁻³⁻⁾	2.5	2.6	140	35	2.8	--	lbs/10 ⁶ ft ³
	Distillate Oil	2	142 (%S)	20	5	0.2	--	lbs/1000 gal

⁽¹⁾ SO₂ EF for oil is a function of sulfur content (%S), which is obtained per monitoring specified in condition 26.

⁽²⁾ All PM is considered to be PM₁₀.

⁽³⁾ The permittee is allowed to switch from/to NG to/from Propane (LPG) at anytime.

-a- The CO & VOC emissions from the furnaces are a function of the fuel combustion.

-b- The emissions are reported under emissions from glass melting.

37.c. The compliance with the annual PSELs set forth in Condition 36 is determined 12 times per year. At the end of each month, add up the monthly emissions for each criteria pollutant for the previous 12-month period:

$$E_{\text{Annual}} = \sum_{\text{Past 12-month}} E_{\text{MO},i}$$

37.d. The emissions factors listed in condition 37.b, by themselves, are not enforceable limits. The operating parameters monitored per conditions 37.a and emission factors provided in condition 37.b shall only be used to determine compliance with PSELs.

TEST METHODS AND PROCEDURES [OAR 340-218-0050(1)]

38. Unless otherwise specified in this permit, all testing shall be conducted in accordance with the Department's Source Sampling Manual. [OAR 340-212-0120]
39. EU4 EMISSION FACTOR VERIFICATION TESTING REQUIREMENTS: The permittee shall verify the accuracy of the PM/PM₁₀, SO₂, and NO_x emission factors used to determine compliance with the EU4 PSEL by testing, at a minimum of once during the permit term but no later than 12 months from the date of the permit issuance, in accordance with the methods specified for the pollutant and devices identified:

EU4 Furnace	Pollutant	Method(s)
GM1 (Furnace-A)	PM ₁₀	DEQ Method 5
	SO ₂	EPA Method 6, 6c
	NO _x	EPA Method 7E
GM4 (Furnace-D)	PM ₁₀	DEQ Method 5
	SO ₂	EPA Method 6, 6c
	NO _x	EPA Method 7E

- 39.a. All source testing shall be performed in accordance with the Department's Source Sampling Manual or an alternative method approved in writing by the Department.
- 39.b. The Department shall be notified, in writing, at least 15 days prior to conducting any source test.
- 39.c. Source test results shall be submitted within 45 days after the source test was done.
40. Although source testing is not required by this permit for the permit conditions listed below, if source testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the following test methods and averaging times to measure the pollutant emissions:

Permit Condition	Test Method	Averaging Time	Special Conditions
20, 21, 22, 31, and 32	ODEQ Methods 5, 7, or 8	average of three one-hour test runs	ODEQ Method 8 is for sources with exhaust gases at essentially ambient conditions (e.g. material handling cyclones); ODEQ Method 7 is for direct contact combustion sources (e.g., particle and veneer dryers); ODEQ Method 5 is for indirect contact fuel burning equipment (e.g., boilers) and any other source.
29	Modified EPA Method 9 in accordance with	aggregate of thirty seconds in any 60 minute period	Each Method 9 observation shall represent a period of 15 seconds for the purpose of determining the aggregate amount of time in 60 minute period that the visible
30	the Department's Source Sampling Manual	aggregate of three minutes in any 60 minute period	emissions are greater than the opacity limit. The test duration may be less than 60 minutes if a violation of the standard is documented before the full 60-minute observation period is completed.

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

41. As with the monitoring requirements, recordkeeping requirements are specified elsewhere throughout the permit, usually at the end of the specific applicable requirement. The permittee shall maintain the following general records of monitoring required by this permit:
 - 41.a. Records of actions taken, if any, per SERP;
 - 41.b. visual inspection results, and a summary of corrective actions taken, if any;
 - 41.c. nuisance complaint log and investigation reports, if any;
 - 41.d. visible emissions observation reports for emissions units identified;
 - 41.e. the date, place as defined in the permit, and time of sampling or measurements;
 - 41.f. the date(s) analyses were performed;
 - 41.g. the company or entity that performed the analyses;
 - 41.h. the analytical techniques or methods used;
 - 41.i. the results of such analyses;
 - 41.j. the operating conditions as existing at the time of sampling or measurement;
 - 41.k. the records of quality assurance for continuous monitoring systems (including but not limited to quality control activities, audits, calibrations drift checks);
 - 41.l. records of the type and daily and/or monthly records of the product and amount of fuels used, as defined in the permit; and
 - 41.m. source test summary reports and results.

42. Unless otherwise specified by permit condition, the permittee shall 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) shall 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 shall document the reason for the missing record. In addition, any missing record that can be recovered from other available information shall not be considered a missing record. [OAR 340-214-0110, 340-212-0160, and 340-218-0050(3)(b)]

43. The permittee shall retain records of all required monitoring data and support information for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all opacity-recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. All existing records required by the previous Air Contaminant Discharge Permit shall also be retained for five (5) years.

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

44. **SEMI-ANNUAL REPORTING REQUIREMENTS:** The permittee shall submit four (4) copies of the semi-annual monitoring report by July 31, unless otherwise approved in writing by the Department. The semi-annual monitoring report shall include the following information:
- 44.a. The first semi-annual compliance certification for the period January 1 through June 30 [OAR 340-218-0080] and the information specified in forms R1002 and R1003 for the same period. All instances of deviations from permit requirements shall be clearly identified in such report.
 - 44.b. The permittee may use forms supplied by the Department or equivalent forms approved by the Department.
 - 44.c. One copy of the semi-annual report shall be submitted to the DEQ Air Quality Division, two copies to the DEQ Northwest regional office, and one copy to the EPA Region X office.
45. **ANNUAL REPORTING REQUIREMENTS:** The permittee shall submit four (4) copies of the annual monitoring report by February 15, unless otherwise approved in writing by the Department. The annual monitoring report shall include the following information:
- 45.a. The second semi-annual compliance certification for the period July 1 through December 31 [OAR 340-218-0080] and the information specified in forms R1002 and R1003 for the same period. All instances of deviations from permit requirements shall be clearly identified in such reports.
 - 45.b. The emission fee report [OAR 340-220-0100]
 - 45.c. The emission statement, if applicable [OAR 340-214-0220]
 - 45.d. The excess emissions upset log, if applicable [OAR 340-214-0340]
 - 45.e. The annual certification that the risk management plan is being properly implemented, if triggered; OAR 340-244-0230. [OAR 340-218-0080(7)]
 - 45.f. Other source-specific annual reporting requirements as specified elsewhere throughout the permit, including the following:

EMISSIONS UNIT	ANNUAL PARAMETERS	UNIT
Plant-wide Basis	Monthly summary of emissions of each criteria pollutant	“tons/year” noted at the end of each month
EU1	Monthly summary of raw material usage	tons/month
EU2	Monthly summary of cullet processed	tons/month
EU3	Monthly summary of material processed	tons/month
EU4	Monthly summary of glass melted Monthly summary of NG used Monthly summary of fuel oil used	tons/month 10 ⁶ ft ³ NG/month gallons/month
EU5	Monthly summary of swab material usage Monthly summary of MBTT usage, if any Monthly summary of SO ₂ usage, if any	lbs/month tons/month lbs/month
EU6	Monthly summary of NG usage	10 ⁶ ft ³ NG/month
EU7	Monthly summary of NG usage Monthly summary of fuel oil usage	10 ⁶ ft ³ NG/month gallons/month
EU10	Estimate number of hours operated	hrs/month

- 45.g. The permittee may use forms supplied by the Department or equivalent forms approved by the Department;
 - 45.h. One copy of the annual report shall be submitted to the Air Quality Division, two copies to the Northwest regional office, and one copy to the EPA Region X office.
46. The permittee shall submit the following additional reports and/or information to the DEQ - Northwest Region as required by specific conditions within the permit:
- 46.a. source test plans/notifications prior to conducting actual test/measurements;
 - 46.b. source test results within 45 days after the source test was done; and
 - 46.c. when requested by the Department, submit all relevant records, data, and support information maintained at the plant site per recordkeeping requirements of conditions 41 through 43.
47. The (first & second) semi-annual compliance certification shall include the following (provided that the identification of applicable information may cross-reference the permit or previous reports, as applicable): [OAR 340-218-0080(6)(c)]
- 47.a. The identification of each term or condition of the permit that is the basis of the certification;
 - 47.b. The identification of the method(s) or other means used by the owner or operator for determining the compliance status with each term and condition during the certification period, and whether such methods or other means provide continuous or intermittent data. Such methods and other means shall include, at a minimum, the methods and means required under OAR 340-218-0050(3). If necessary, the owner or operator also shall identify any other material information that must be included in the certification to comply with section 113(c)(2) of the FCAA, which prohibits knowingly making a false certification or omitting material information;
 - 47.c. The status of compliance with terms and conditions of the permit for the period covered by the certification, based on the method or means designated in OAR 340-218-0040(6)(c)(B). The certification shall identify each deviation and take it into account in the compliance certification. The certification shall also identify as possible exceptions to compliance any periods during which compliance is required and in which an excursion or exceedance, as defined under OAR 340-200-0020, occurred; and
 - 47.d. Such other facts as the Department may require to determine the compliance status of the source.
48. 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)]

49. Excess Emissions Reporting [OAR 340-214-0300 through 340-214-0360]
- 49.a. The permittee shall report all excess emissions in accordance with OAR 340-214-0300 through 340-214-0360. In summary, the permittee shall immediately (i.e., as soon as possible but in no case more than one hour after the beginning of the excess emission period) notify the Department by telephone or in person of any excess emission, other than pre-approved startup, shutdown, or scheduled maintenance. Notification shall, to the extent reasonably ascertainable at the time of notification, include the source name, nature of the emissions problem, name of the person making the report, name and telephone number of the contact person for further information, date and time of the onset of the upset condition, whether or not the incident was planned, the cause of the excess emission (e.g., startup, shutdown, maintenance, breakdown, or other), equipment involved in the upset, estimated type and quantity of excess emissions, estimated time of return to normal operations, efforts made to minimize emissions, and a description of remedial actions to be taken. Follow-up reporting shall be made in accordance with Department direction and OAR 340-214-0330(2) and 340-214-0340.
- 49.b. In the event of any excess emissions which are of a nature that could endanger public health and occur during non-business hours, weekends, or holidays, the permittee shall immediately notify the Department by calling the Oregon Accident Response System at 1-800-452-0311.
- 49.c. If startups, shutdowns, or scheduled maintenance may result in excess emissions, the permittee shall submit startup, shutdown, or scheduled maintenance procedures used to minimize excess emissions to the Department for prior authorization, as required in OAR 340-214-0310 and 340-214-0320. New or modified procedures shall be received by the Department in writing at least 72 hours prior to the first occurrence of the excess emission event. The permittee shall abide by the approved procedures and have a copy available at all times.
- 49.d. The permittee shall notify the Department of planned startup/shutdown or scheduled maintenance events only if required by permit condition or if the source is located in a nonattainment area for a pollutant which may be emitted in excess of applicable standards.
- 49.e. The permittee shall maintain and submit to the Department a log of planned and unplanned excess emissions, on Department approved forms, in accordance with OAR 340-214-0340.
50. The permittee shall promptly report deviations from permit requirements that do not cause excess emissions, including those attributable to upset conditions, as defined in the permit, the probable cause of such deviations, and any corrective actions or preventive measures taken. "Prompt" means within seven (7) days of the deviation. Deviations that cause excess emissions, as specified in OAR 340-214-0300 through 340-214-0360 shall be reported in accordance with OAR 340-214-0340. [OAR 340-218-0050(3)(c)(B)]
51. The permittee shall submit any required source test report within 30 days after the source test; unless otherwise approved in the source test plan. [OAR 340-218-0050(3)(c)(C) and 340-212-0120]
52. All required reports shall be certified by a responsible official consistent with OAR 340-218-0040(5); OAR [OAR 340-218-0050(3)(c)(D)]

53. Reporting requirements shall commence on the date of permit issuance unless otherwise specified in the permit. [OAR 340-218-0050(3)(c)(E)]

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

DEQ - Northwest Region 2020 S.W. 4th Avenue, #400 Portland, OR 97201-5884	DEQ - Air Quality Division 811 SW Sixth Avenue Portland, OR 97204	EPA - Region 10 Mail Stop OAQ-107 1200 Sixth Avenue Seattle, WA 98101
(503) 229-5554	(503) 229-5359	--

NON-APPLICABLE REQUIREMENTS

55. Divisions of Chapter 340, Air Quality Oregon Administrative Rules (OARs), currently determined not applicable to the permittee are listed below. [OAR 340-218-0110]

55.a. The following OARs are not applicable because the source is not in the source category cited in the rules:

- Division 202 All
- Division 204 0010 – 0060
- Division 210 0100 – 0120, 0200 – 0220
- Division 218 0090, 0100
- Division 230 All
- Division 232 0070 – 0240 except 0180
- Division 234 All
- Division 236 All
- Division 238 All
- Division 242 0500 – 0520, 0600 – 0630
- Division 244 0200, 0230
- Division 256 All except 0010, 0150, 0160
- Division 258 0400

55.b. The following OARs are not applicable because the source is outside the special control area, non-attainment area or county cited in the rules:

- Division 240 0100 – 0360

55.c. The following OARs are not applicable because the source does not have specific emissions units cited in the rules:

- Division 208 0550, 0560
- Division 228 0200
- Division 232 0050

55.d. The following OARs are not applicable because the source does not sell, distribute, use, or make available for use, the fuel type cited in the rules:

Division	204	0090
Division	228	0100, 0120
Division	258	0110 – 0300
Division	260	0030

55.e. The following OARs are not applicable because the method/procedure is not used by the facility:

Division	214	0130
Division	222	0050, 0060
Division	226	0400
Division	244	0100 – 0180

55.f. Pursuant to OAR 340-242-0420 and the voluntary Plant Site Emission Limit Reduction Agreement between the Department and the permittee, as reflected in the NO_x PSEL of condition 36, the permittee is exempt from the Employee Commute Options (ECO) Program required in OAR 340-242-0010 through 340-242-0290.

56. The following federal regulations are not applicable to the permittee at the time of permit issuance because the source is not in the source category cited in the rules:

40 CFR Parts 55, 57,
40 CFR Part 60 except subpart CC, A, and the Appendices,
40 CFR Part 61 except subparts A, M, and the Appendices,
40 CFR Part 62 except subparts A, MM,
40 CFR Part 63 except subpart A, and the Appendices,
40 CFR Parts 68, 72, 73, 75, 76, 77, 78
40 CFR Part 82 (except subpart F),
40 CFR Parts 85 through 89,
Section 129 of the FCAA, Solid Waste,
Section 183(e) of the FCAA, Consumer and commercial products,
Section 183(f) of the FCAA, Tank Vessels.

GENERAL CONDITIONS

G1. General Provision

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

G2. Reference materials

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

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

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

- a. The permittee shall comply with all conditions of the federal operating 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 shall be supplemental to, and shall 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 shall meet such requirements on a timely basis unless a more detailed schedule is expressly required by the applicable requirement.

G4. 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]

G5. Certification [OAR 340-214-0110, 340-218-0040(5), 340-218-0050(3)(d), and 340-218-0080(2)]

Any document submitted to the Department pursuant to this permit shall contain certification by a responsible official of truth, accuracy and completeness. All certifications shall 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 shall promptly, upon discovery, report to the Department a material error or omission in these records, reports, plans, or other documents.

G6. 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.

G7. Asbestos [40 CFR Part 61, Subpart M (Federally enforceable), OAR 340-248-0210 through 340-248-0280 and OAR Chapter 340, Division 248 (State-only enforceable)]

The permittee shall comply with OAR 340-248-0210 through 340-248-0280, OAR Chapter 340 Division 248, and 40 CFR Part 61, Subpart M when conducting any renovation or demolition activities at the facility.

G8. Stratospheric Ozone and Climate Protection [40 CFR 82 Subpart F, OAR 340-260-0040]

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

G9. Permit Shield [OAR 340-218-0110]

- a. Compliance with the conditions of the permit shall be 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 shall alter or affect 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), or significant permit modification.

G10. Inspection and Entry [OAR 340-218-0080(3)]

Upon presentation of credentials and other documents as may be required by law, the permittee shall 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.

G11. Fee Payment [OAR 340-220-0010, and 340-220-0030 through 340-220-0190]

The permittee shall 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 shall 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 shall be submitted in writing to the Department of Environmental Quality. Payment shall be made regardless of the dispute. User-based fees shall be charged for specific activities (e.g., computer modeling review, ambient monitoring review, etc.) requested by the permittee.

G12. Off-Permit Changes to the Source [OAR 340-218-0140(2)]

- a. The permittee shall 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), shall be submitted to the Department and the EPA.
- c. The permittee shall 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 G11 shall not extend to off-permit changes.

G13. Section 502(b)(10) Changes to the Source [OAR 340-218-0140(3)]

a. The permittee shall 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 shall be submitted to the Department and the EPA in accordance with OAR 340-218-0140(3)(b).

c. The permit shield of condition G11 shall not extend to section 502(b)(10) changes.

G14. Administrative Amendment [OAR 340-218-0150]

Administrative amendments to this permit shall be requested and granted in accordance with OAR 340-218-0150. The permittee shall 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.

G15. Minor Permit Modification [OAR 340-218-0150]

The permittee shall submit an application for a minor permit modification in accordance with OAR 340-218-0150.

G16. Significant Permit Modification [OAR 340-218-0180]

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

G17. Staying Permit Conditions [OAR 340-218-0050(6)(e)]

Notwithstanding condition G14 and G15, 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.

G18. Construction/Operation Modification [OAR 340-210-0205]

No permittee shall construct or make modifications required to be reviewed under OAR 340-218-0190, the construction/operation modification rules, without receiving a Notice of Approval in accordance with OAR 340-218-0190. The permittee should allow 60 days for Department review of applications for a construction/operation modification if public notice is not required, or 180 days if public notice is required.

G19. New Source Review Modification [OAR 340-224-0010]

No permittee shall construct or make modifications required to be reviewed under New Source Review (OAR 340-224-0010(1)) without receiving an Air Contaminant Discharge Permit (ACDP) (OAR 340-216-0010). The permittee should allow 180 days for Department review of an ACDP application for New Source Review.

G20. Need to Halt or Reduce Activity Not a Defense [OAR 340-218-0050(6)(b)]

The need to halt or reduce activity shall not be a defense. It shall 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.

G21. Duty to Provide Information [OAR 340-218-0050(6)(e) and OAR 340-214-0110]

The permittee shall 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 shall 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.

G22. 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. 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.
- c. A permit shall be reopened and revised under any of the circumstances listed in OAR 340-218-0200(1)(a).
- d. Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists.

G23. 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.

G24. Permit Renewal and Expiration [OAR 340-218-0040(1)(a)(D) and 340-218-0130]

- a. This permit shall expire at the end of its term. Permit expiration terminates the permittee's right to operate unless a timely and complete renewal application is submitted as described below.
- b. Applications for renewal shall 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 shall provide no less than six (6) months for the

owner or operator to prepare an application. Provided the permittee submits a timely and complete renewal application, this permit shall remain in effect until final action has been taken on the renewal application to issue or deny the permit.

G25. 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).

G26. Property Rights [OAR 340-200-0020(9)(c) 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.

G27. Permit Availability [OAR 340-200-0020(9)(c) and 340-218-0120(2)]

The permittee shall have available at the facility at all times a copy of the Oregon Title V Operating Permit and shall 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, #400
Portland, OR 97201-5884
Telephone: (503) 229-5554