

**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:

Paramount Petroleum Corporation
Willbridge Asphalt Refinery
5501 N.W. Front Avenue
Portland, OR 97210

INFORMATION RELIED UPON:

Application Number: 021692
Received: 12/30/2005

PLANT SITE LOCATION:

5501 N.W. Front Avenue
Portland, OR 97210

LAND USE COMPATIBILITY STATEMENT:

From: City of Portland
Dated: 04/19/1995

ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY

Cory Ann Wind, NWR AQ Manager

Date

Nature of Business: Asphalt Refinery

Primary SIC: 2911

RESPONSIBLE OFFICIAL:

Name: Mr. Steven D. LeRoy
Title: NW Region Manager

FACILITY CONTACT PERSON:

Name: Mr. David R. Broderick
Title: Air Quality Specialist
Phone: (503) 273-4734

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LIST OF ABBREVIATIONS USED IN THIS PERMIT

ACDP	Air Contaminant Discharge Permit
AIA	Aggregate Insignificant Activities
API	American Petroleum Institute
AQMA	Air quality management area
ASTM	American Society of Testing and Materials
bbl	barrel (1 bbl = 42 gallons)
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
FBR	Free Board Ratio
FCAA	Federal Clean Air Act
gr/dscf	grain per dry standard cubic foot
HAP	Hazardous Air Pollutant as defined by OAR 340-032-0130
HCFC	Hydro-chloro-fluoro-carbons
ID	Identification number
I&M	Inspection and maintenance
LPG	Liquefied petroleum gas
MB	Material balance
mg/l	milligrams per liter
MMBtu	Million British thermal units
mvac	Motor vehicle air conditioner
NCG	Non-condensable gas
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
PSEL	Plant Site Emission Limit
psig	pounds per square inch, gauge pressure
RACT	Reasonably Available Control Technology
RVP	Reid Vapor Pressure
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
VOL	Volatile organic liquid

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 and state enforceable, except Conditions 6, 9, 29, 43, and 50 are enforceable by the state only. [OAR 340-218-0060 and 340-218-0070]

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)]:

3.a. External Floating Roof Tanks (EXTANK) regulated by this permit are the following:

EXTANK Description	EXTANK EU ID Number	Rated Capacity (gallons)	Year Installed/Modified
All external floating roof storage tanks at the facility.	105*	5,670,000	1975/98
	106*	6,300,000	1980/96
	120	189,000	1946

* Tanks 105 & 106 were installed in 1975 & 1980, then secondary seals were added in 1998 & 1996 respectively.

3.b. Internal Floating Roof Tanks (INTANK) regulated by this permit are the following:

INTANK Description	INTANK EU ID Number	Rated Capacity (gallons)	Year Installed/Modified
All internal floating roof storage tanks at the facility.	63	4,504,668	1942
	71**	1,278,564	1951/96
	95	399,000	1965
	104	5,598,810	1957
	113	672,000	1947
	114	630,000	1947

** Tank No. 71 was installed in 1951 and modified to INTANK in 1996.

3.c. Fixed Roof Tanks (FIXTANK) regulated by this permit are the following:

FIXTANK Description	FIXTANK EU ID Number	Rated Capacity (gallons)	Year Installed
All fixed roof storage tanks at the facility with a rated capacity less than 39,000 gallons.	151	29,400	1964
	152	29,400	1964
	167	37,800	1949
	168	37,800	949
	169	37,800	1949
	177	29,400	1961
	178	29,400	1961
	179	19,530	1961
	180	19,530	1961
	202	11,760	1968
	209	16,800	1975
	211	21,000	1976
	213	12,600	1996
	306	2,940	1982

FIXTANK Description	FIXTANK EU ID Number	Rated Capacity (gallons)	Year Installed
All fixed roof storage tanks at the facility with a rated capacity greater than 39,000 gallons.	66	3,360,000	1947
	67	3,360,000	1947
	68*	2,666,370	1947
	69	2,072,742	1959
	70	294,000	1950
	74	2,241,834	1951
	93	2,829,918	1963
	100	3,343,200	1947
	101	3,381,000	1947
	102	3,368,400	1948
	110	462,000	1947
	111	294,000	1947
	112	1,318,800	1947
	121	189,000	1947
	122	189,000	1947
	123	189,000	1946
	124	462,000	1946
	125	462,000	1947
	126	189,000	1939
	127	840,000	1965
128	2,310,000	1952	
129	3,360,000	1966	
130	3,360,000	1967	
140	42,000	1947	
141	42,000	1947	

*Paramount tentatively scheduled to install a Vapor Recovery System to control emissions from Fixtank No.68.

FIXTANK Description	FIXTANK EU ID Number	Rated Capacity (gallons)	Year Installed
All fixed roof storage tanks at the facility with a rated capacity greater than 39,000 gallons.	142	42,000	1947
	143	42,000	1947
	144	42,000	1947
	145	42,000	1947
	146	42,000	1947
	147	42,000	1947
	148	42,000	1947
	149	42,000	1947
	150	42,000	1947
	157	42,000	1947
	158	42,000	1947
	170	134,400	1949
	171	134,400	1949
	172	134,400	1949
	173	132,300	1951
	174	132,300	1951
	176	42,000	1959
	181	42,000	--
182	222,180	1970	
183	222,180	1970	
184	222,054	1973	
185	210,000	1975	

3.d. Tanker Truck/Trailer Loading Racks (TRACK) regulated by this permit are the following:

TRACK Description	TRACK ID	Pollution Control Device
Tanker truck and trailer loading racks and railcar loading racks; loading & un-loading of various petroleum products.	TRACK	None

3.e. The oil and water separators (OIL/W) regulated by this permit are the following:

OIL/W Description	OIL/W ID	Pollution Control Device (PCD)	PCD ID
Oily wastewater separators rated at 300 gallons/minute	OIL/W	Fixed solid cover (Forebay only)	none

3.f. Other miscellaneous VOC emitting sources regulated by this permit include the following:

(Miscellaneous) Emissions Unit Description	EU ID
VOC emissions from Flanges, valves, pumps, etc. at the Refinery	FGTVOC
Facility-wide VOC emissions from misc. solvents/chemical usage	FW

3.g. The process furnaces (FURNACE) regulated by this permit are the following:

FURNACE Description	FURNACE EU ID	Rated Capacity (10 ⁶ Btu/hr)	Year Installed
Process furnace used to heat crude oil for refinery processing; burns NG and fuel oil.	F1	30	1946
Process furnace used to heat crude oil for refinery processing; burns NG, fuel oil, and distillation column process gas (NCG).	F1B	35	1972
Hot oil loop furnace to provide heat for piping, tanks, etc.; burns NG and fuel oil	F2	15	1946
"John Zink" Thermal Oxidizer; design inlet air flow rate = 5,200 acfm, burns NG, fuel oil, and Air Still fumes.	F3 ⁽¹⁾	20	1972
Thermal Oxidizer with waste heat recover boiler; burns NG, fuel oil, and Air Still fumes.	F4/B6 ⁽²⁾	17.5	1996

(1) F3 is a thermal oxidizer (Pollution Control Device) controlling air still fumes.

(2) F4 is a thermal oxidizer (PCD) used to control air still fumes with an attached waste heat recovery boiler (B6).

3.h. The steam generating boilers (BOILER) regulated by this permit are the following:

BOILER Description	BOILER EU ID	Capacity (10 ⁶ Btu/hr)	Year Installed
"Clever Brooks" Boiler #4; burns NG and fuel oil.	B4	16.738	1990
Boiler #5 burns NG and fuel oil.	B5	16.8	1996

3.i. The process emission units (PROCESS) regulated by this permit are the following:

PROCESS Description	PROCESS EU ID	Capacity (bbl)	Year Installed	PCD
Distillation Column	DC	20,000 bbl/day	1946	F1B
Batch Air Still #2	BAS-2	417	1950	F3 or F4/B6
Batch Air Still #3 *	BAS-3	600	1950	F3 or F4/B6
Batch Air Still #4	BAS-4	1,360	1973	F3 or F4/B6

* Paramount tentatively scheduled to replace BAS-3 with a newer/larger unit.

EMISSION LIMITS AND STANDARDS

The following Tables (I through III) contain summaries of applicable requirements other than the Plant Site Emission Limits (PSEL), along with the monitoring methods 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 / 40 CFR	Condition Number			Method	Condition Number
340-206-0050	4	Ozone	SERP	Recordkeeping	5
340-208-0560	6	VOC	Equipment Specification	I&M Recordkeeping	7
340-208-0300	9	Nuisance	no nuisance	I&M Recordkeeping	10

4. **REQUIREMENT** In the event an Air Pollution Alert, Warning, or Emergency Episode for ozone 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]

4.a. **ALERT:** Notify the employees and prepare to take possible further action in case the episode escalates into a warning or an emergency stage. Employees may voluntarily reduce operations of personal motor vehicle.

4.b. **WARNING:** Maintain required action of Alert conditions; and curtail the following refinery operations as specified:

4.b.i. All crude oil and charge stock receipts into the refinery shall be reduced to the extent possible.

4.b.ii. All product transfers between tanks in crude oil, charge stock, or light hydrocarbon service shall be curtailed from 8:00 AM to 10:00 PM.

4.b.iii. Manufacturing of liquid asphalt emulsions containing light hydrocarbons (naphtha) shall only be done from 8:00 AM to 10:00 PM.

4.c. **EMERGENCY:** Maintain required action of Warning condition; and curtail the following refinery operations as specified:

4.c.i. Shut down the distillation column operations within 12 hours of declared emergency episode.

4.c.ii. Shut down the hot oil circulating furnace.

4.c.iii. Suspend all manufacturing, blending, stock transfers between tanks, crude and charge stock receipts, shipping, and maintenance work.

5. **MONITOR AND RECORD** The permittee shall maintain a log summarizing actions taken during an applicable air pollution episode, pursuant to action terms outlined in condition 4.

6. **REQUIREMENT** Storage tanks with a capacity of 40,000 gallons or more shall not be used to store VOC liquids with a true vapor pressure equal to or greater than 1.5 psia at the storage temperature, unless the tank is equipped with a floating roof or other equivalent vapor recovery system. [OAR 340-208-0560(1)] [State-only enforceable]
7. **MONITOR AND RECORD** For the purpose of determining compliance with the equipment specifications outlined in condition 6, the permittee shall have the means to show the applicable storage vessels are built to the specifications. For fixed roof vessels (FIXTANK) with a capacity of 40,000 gallons or more, the permittee shall keep readily accessible *records* showing that VOC liquids with a high vapor pressure (> 1.5 psia) are not stored. [*Comment – The PSEL monitoring and recordkeeping requirements of this permit already satisfies the recordkeeping requirements of this condition and no additional monitoring is being specified in this condition.*]
8. **REPORT** Include in the annual report the product with the highest vapor pressure (psi, at storage temperature) that were stored in applicable FIXTANK during the calendar year.

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 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 nuisance (e.g., odor) from the permitted facility. Said log shall also record permittee's actions to investigate, make a determination as to the validity of the complaint, and resolve the problem within two 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. If more than 7 days are needed to resolve the problem, the permittee shall notify the Department within the specified 7 day period.
11. **REPORT** Include in the annual report a brief summary of public complaints received during the calendar year, and the follow-up action(s) taken by the permittee to alleviate the problem, if any.

Table-II. Emissions Unit Specific Emission Limits and Standards

EU/PCD ID	Applicable Requirements		Pollutant/ Parameter	Limit/ Standard	Monitoring Requirements	
	OAD/ 40 CFR	Condition Number			Method	Condition Number
BOILER and FURNACE	340-208-0110(2) 340-208-0110(3)(a)	12	visible emissions	20% opacity	VE periodic monitoring	15
F1, F2	340-228-0210(1)(a)	13	PM/PM ₁₀	0.2 gr/dscf	VE/ST periodic monitoring	15 & 16
B4, B5, F4/B6, F1B, and F3	340-228-0210(1)(b)	14	PM/PM ₁₀	0.1 gr/dscf	VE/ST periodic monitoring	15 & 16
BOILER and FURNACE	340-228-0110	18	Dist. fuel oil sulfur content	0.3% 0.5%	%S Analysis Recordkeeping	19
BOILER	40 CFR 60.42c (d)	20	Fuel oil sulfur content	0.5%	%S Analysis Recordkeeping	21
OIL/W	340-232-0130	23	VOC	Fixed solid cover (forebay only)	I&M Recordkeeping	24
F4/B6, F1B, and F3	340-022-0150	26	Refinery Wastegases	Proper routing and control	I&M Recordkeeping	27
F4/B6, F1B, and F3	340-022-0150	29	Odorous gas	1400°F, 0.5 sec	Cont. measurement Recording charts	30
FGTVOC	340-232-0140	32	VOC	10,000 ppm Leak Standard	Method 21 Testing Recordkeeping	33
EXTANK (All)	340-232-0150	35	VOC	Equipment spec.	Measurements I&M Recordkeeping	36
INTANK except No.71	340-232-0150	37	VOC	Equipment spec.	Measurements I&M Recordkeeping	38
INTANK No.71	340-232-0150	39	VOC	Equipment spec.	Measurements I&M Recordkeeping	40
FIXTANK	340-232-0150(1)	0	VOC	O&M Req.	Recordkeeping	42

12. **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 minutes in any one hour, which is equal to, or greater than 20% opacity, excluding uncombined water, from emissions units BOILER and FURNACE. Opacity shall be measured in accordance with condition 15. [OAR 340-208-0110 (2) & (3)(a)]

13. **REQUIREMENT** Except as provided in condition 14, 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 fuel burning equipment F1 and F2. Particulate matter emissions shall be measured in accordance with condition 16. [OAR 340-228-0210(1)(a)]

14. **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 fuel burning equipment B4, B5, F1B, F3, and F4/B6. Particulate matter emissions shall be measured in accordance with condition 16. [OAR 340-228-0210(1)(b)]

15. **MONITOR AND RECORD** Except as provided in condition 15.a, the permittee shall conduct visible emissions survey at each of the fuel burning equipment grouped under emissions units BOILER and FURNACE, in accordance with the following procedures and frequencies:
- 15.a. Monitoring protocols specified in this condition are only applicable to those BOILER and FURNACE equipment that burn oil and during the period in which oil is burned. As long as any of the equipment grouped under the emissions unit BOILER or FURNACE is fueled by natural gas (or LPG), emissions from that equipment is assumed to be in compliance with the 20% opacity standard and the 0.1 (or 0.2) gr/scf loading limits; and the visual emissions survey and/or observation required by this condition is waived for that equipment. Note the permittee is required to monitor and record the type(s) of fuel used in the BOILER and FURNACE fuel burning equipment, as specified in the PSEL monitoring condition 55.
 - 15.b. At a minimum of once per week, the permittee shall conduct a six (6) minute visible emission survey using the procedures outlined in EPA Method 22. The minimum weekly monitoring frequency specified is also the required interval between two consecutive monitoring periods.
 - 15.c. All visible emissions observations shall be conducted during a period when the equipment is operating.
 - 15.d. If visible emissions, excluding condensed water vapor, from an individual monitoring point are detected for more than 5% (18 seconds) of the survey 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 minutes of observations have been completed or until an exceedance has been documented.
 - 15.e. 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 on the 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 possible.
 - 15.f. If visible surveys and/or observations 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 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 item a of this condition.
16. **MONITOR AND RECORD** If an opacity exceedance is noted during the EPA Method 9 test conducted per condition 15, the compliance status with respect to the 0.1 or 0.2 gr/scf limit of condition 13 or 14 shall be verified for the emissions unit or device for which the opacity exceedance was noted. The permittee shall use the ODEQ Methods 5, 7, or 8, whichever is most appropriate, in accordance with the Department's Source Sampling Manual, no later than 60 days from the date of noted opacity exceedance.
17. **REPORT** If an opacity exceedance is noted during the EPA Method 9 test, the permittee shall contact the Department within two working-days from the date of noted opacity excursion.
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18. **REQUIREMENT** The permittee shall not burn any of the following fuel oil in any of the fuel burning equipment grouped under emissions unit BOILER and FURNACE: [OAR 340-0228-0110]
- 18.a. ASTM Grade-1 distillate fuel oil containing more than 0.3 percent sulfur by weight; and
- 18.b. ASTM Grade-2 distillate fuel oil containing more than 0.5 percent sulfur by weight.
19. **MONITOR AND RECORD** The permittee shall monitor the sulfur content of distillate fuel oil burned in emissions units BOILER and FURNACE in accordance with the following methods or procedures:
- 19.a. obtaining a sulfur analysis certificate from the vendor for each batch; or
- 19.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 an accredited EPA/ASTM test method.
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20. **NSPS REQUIREMENT FOR BOILER** The permittee shall not burn any fuel oil containing more than 0.5 percent sulfur by weight, on a 30-day rolling average basis, in Boilers B4 , B5, or B6. [40 CFR 60.42c(d)]
21. **MONITOR AND RECORD FOR BOILER** For boilers B4, B5, and B6, the permittee shall monitor and record the amount of each type (e.g., oil or natural gas) of fuel combusted in BOILER in accordance with the following: [40 CFR 60.42c(h), 60.44c(g) & (h), 60.46c(e)]
- 21.a. The permittee shall monitor the sulfur content of oil burned by obtaining the fuel supplier certification; or analyzing or having analyzed by a contract laboratory a composite of representative samples taken by the permittee from each batch of fuel oil received, using an accredited EPA/ASTM test method. If the certification from fuel supplier is used to demonstrate compliance, the permittee shall adhere to the recordkeeping requirements associated with the quarterly reporting required in condition 22.c.
- 21.b. The permittee shall use the test results as the daily value when calculating the 30-day rolling average until the next shipment is received. If the fuel analysis shows that the sulfur content of a batch received exceeds 0.5%, the permittee shall ensure that the sulfur content of subsequent batch is low enough to cause the 30-day rolling average sulfur content to be within the 0.5% limit. [40 CFR 60.46c(d)(2)]
- 21.c. The permittee shall monitor and record the amount of each type (e.g., oil or natural gas) of fuel combusted during each day. [40 CFR 60.48c(g)]
22. **Semi-Annual Reporting for BOILER:** Except as provided in condition 22.d, the permittee shall submit, by no later than 30 days after the end of each quarter, three (3) copies of the following quarterly reports specifically related to the NSPS boilers B4, B5, and B6. The monitoring protocols for the fuel sulfur contents are specified in Condition 21. One of the reports shall be submitted to the Air Quality Division, and two copies to the regional office: [40 CFR 60.48c]
- 22.a. Calendar dates covered in the reporting period;
- 22.b. each 30-day average sulfur content of fuel oil, if used; and

- 22.c. if a fuel supplier certification is used to monitor the fuel sulfur content, submit the following records for each batch of residual oil received: [40 CFR 60.48c(f)(2)]
- 22.c.i. the name of the oil supplier;
 - 22.c.ii. the location of the oil when the sample was drawn for analysis to determine the sulfur content of the oil, specifically including whether the oil was sampled as delivered to the affected facility, or whether the sample was drawn from oil in storage at the oil suppliers of oil refinery facility, or other location;
 - 22.c.iii. the sulfur content of the oil from which the shipment came (or of the shipment itself);
 - 22.c.iv. the method used to determine the sulfur content of the oil; and
 - 22.c.v. a certified statement signed by the responsible official that the records of fuel supplier certifications submitted represent all of the residual oil combusted during the quarter.
- 22.d. The permittee is exempt from the reporting requirements for the reporting period for boiler B4, B5, and/or B6 that did not burn any fuel oil.
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23. **REQUIREMENT** The permittee shall comply with the following equipment specifications applicable to Oil and water separators (OIL/W): [OAR 340-232-0130(2)]
- 23.a. OIL/W forebays shall be equipped with a closure device capable of sealing all openings, and totally enclosing the compartmented liquid contents.
 - 23.b. all access points for gauging and sampling shall be closed with suitable covers when not in use.
24. **MONITOR AND RECORD** At a minimum of once per year, the permittee shall visually inspect the OIL/W closure device (a fixed steel cover) to ensure compliance with the specifications of condition 23. The permittee shall maintain the records of this inspection, and include, at minimum, the date of inspection, a summary of findings, and corrective action taken (if any).
25. **REPORT** Include in the annual report a summary of inspection results, any noted problems, and corrective action(s) taken, if any.
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26. **REQUIREMENT** The following refinery wastegases shall only be routed to and incinerated in F4/B6, F1B, or F3; or introduced to a closed refinery system: [OAR 340-232-0130 (1) and (3)]
- 26.a. Noncondensable VOC collected from vacuum producing system (distillation column, DC)
- 26.b. VOC contained in a process unit to be depressurized for turnaround, until the pressure in that process unit drops to less than 5 psig, at which time a direct discharge to the atmosphere is allowed
- 26.c. Fumes collected from Batch Air Stills BAS-2, BAS-3, and BAS-4.
27. **MONITOR AND RECORD** The permittee shall have the means (e.g., physical inspection) to show or keep readily accessible records showing the refinery waste gases are either routed to and incinerated in the fuel burning equipment F4/B6, F1B, or F3, or fed into the enclosed refinery system. In addition, the permittee shall maintain a record of process unit turnarounds including an approximation of the quantity of VOC emitted to the atmosphere. [OAR 340-232-0130(5)]
28. **REPORT** Include in the annual report an approximate quantity of VOC emitted during the calendar year estimated from the process unit turnaround records.
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29. **REQUIREMENT** The combustion temperature of fuel burning equipment used as emissions control must be maintained during normal operations: [OAR 340-208-0550 (2)] [State-only enforceable]
- 29.a. The combustion temperature of F4/B6 or F3 shall be maintained at 1,400 degrees Fahrenheit for at least 0.5 second residence time, or controlled in another manner determined by the Department to be equally or more effective, during the incineration of the asphalt blowing waste gases listed in condition 26.
- 29.b. The combustion temperature of F1B shall be maintained during normal operation at 1,400 degrees Fahrenheit for at least 0.5 second residence time, or controlled in another manner determined by the Department to be equally or more effective, during the incineration of the refinery waste gases listed in condition 26. During the distillation column (DC) start-up period of up to 12-hours, the combustion temperature of F1B may drop below 1,400°F in accordance with the DC Start-up procedures.
30. **MONITOR AND RECORD** The permittee shall monitor the operating temperature of F1B, F3, and F4/B6 when the asphalt blowing or refinery wastegases are being incinerated and continuously record the temperature on a strip/circular chart to show the compliance status with respect to the 1,400 °F temperature limit specified in condition 29. The permittee shall inspect the strip/circular charts at the end of each month for the previous month-period and verify the compliance status of each applicable fuel burning equipment.
31. **REPORT** Include in the annual report a summary of monthly compliance verification results. Report any temperature exceedance (i.e., T < 1,400 °F) identified during the reporting period other than the DC start-up. Report the temperature range, duration of each exceedance, and corresponding dates, if any.
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32. **REQUIREMENT** Except as provided in condition 32.c, the permittee shall perform the following tasks upon detection of a leaking component at the refinery portion of the emissions unit FGTVOC, which has a VOC concentration exceeding 10,000 ppm as tested in accordance with condition 33: [OAR 340-232-0140] [40 CFR 60 subpart GGG]
- 32.a. The permittee shall affix a weatherproof tag to the leaking FGTVOC component. The tag must bear an identification number and the date of the leak detection, and this tag shall remain in place until the leaking component is repaired and re-checked. The tag may only be removed from a valve after it has been monitored for two successive months and no leak has been detected during those 2 months.
- 32.b. The permittee shall repair and retest the repaired component within 15 days.
- 32.c. Pressure relief devices connected to a combustion unit, vapor recovery device, inaccessible valves, storage tank valves, or valves that are not externally regulated are exempt from the requirements of this condition and the associated monitoring specified in condition 33.
33. **MONITOR AND RECORD** The permittee shall monitor the refinery portion of the light-end FGTVOC components for leaks in accordance with the methods and frequency specified: [40 CFR 60 subpart GGG]
- 33.a. At minimum of once per month, except as noted in Condition 33.a.iv, using the testing and calibration procedures of EPA Method 21, the permittee shall monitor the following FGTVOC components:
- 33.a.i. Pump seals;
 - 33.a.ii. Pipeline valves in liquid or gaseous service; and
 - 33.a.iii. Process drains.
 - 33.a.iv. If no leak is detected for two-consecutive months from Pipeline valve in either liquid or gaseous service and/or Process drain, the permittee may reduced the monitoring frequency from monthly to quarterly for those non-leaking devices.
- 33.b. At minimum of once every 3 months (i.e., quarterly), using the testing and calibration procedures of EPA Method 21, the permittee shall monitor the following FGTVOC components:
- 33.b.i. Compressor seals; and
 - 33.b.ii. Pressure relief valves in gaseous service.
- 33.c. At minimum of once per week, the permittee shall visually inspect all pump seals. The permittee shall monitor immediately any pump seal from which liquids are observed dripping.
- 33.d. The permittee shall monitor any relief valve within 24 hours after it has vented to the atmosphere.
- 33.e. As specified in condition 32.b, retest the repaired component within 15 days from the date the leak was detected.
- 33.f. A list of identification numbers for equipment in the FGTVOC emissions unit must be maintained and kept readily accessible.

- 33.g. Maintain the record of each leak for a minimum of 2 years and include the following information:
- 33.g.i. The date the leak was detected and the date(s) of each attempt to repair the leak
 - 33.g.ii. Repair methods applied in each attempt
 - 33.g.iii. The instrument reading measured after each repair attempt, and note “above 10,000 ppm” if the instrument reading only goes up to that level
 - 33.g.iv. Provide reason for the delay if a leak is not repaired within 15 calendar days of leak-detection, and expected date of successful repair
 - 33.g.v. The signature of the responsible official who decided to delay the repair that cannot be implemented without a process shutdown
 - 33.g.vi. Date of process unit shutdowns that occur during the equipment repair
 - 33.g.vii. The date the leak was successfully repaired
34. **REPORT** The permittee shall submit a report to the Department on the 15th day of January, April, July, and October the results of the leak-monitoring conducted per condition 33. The report shall list the leaking components that were located but not repaired within the required time limit (the 15 day requirement of condition 32.b), and include a signed statement attesting to the fact that all other components were monitored and repairs were performed as stipulated. [OAR 340-232-0140 (e)] [40 CFR Part 60 subpart GGG]

In addition, semi-annual reports submitted to the Administrator must contain the following information as applicable:

- 34.a. Process unit identification
 - 34.b. For each month during the semi-annual reporting period
 - 34.b.i. Number of valves that leaks were detected and the number of those valves that were not repaired within 15-days of leak detection;
 - 34.b.ii. Number of pumps that leaks were detected and the number of those pumps that were not repaired within 15-days of leak detection; and
 - 34.b.iii. Provide explanation of the delay, including but not limited to the technical reason for electing not to shut down the process unit as applicable.
 - 34.c. Dates of process unit shutdowns which occurred within the semiannual reporting period
 - 34.d. Revisions made to number of FGTVOC components
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35. **REQUIREMENT** Except as provided in condition 35.g, the external floating roof storage tanks (**EXTANK**) shall be equipped with a closure device consisting of two seals, one above the other, and meet the following equipment standards and provisions: [OAR 340-232-0150]
- 35.a. The primary seal is to be either a metallic shoe seal, a liquid-mounted seal, or a vapor-mounted seal; and must comply with the following specifications:
- 35.a.i. The accumulated area of gaps between the tank wall and the vapor-mounted seal shall not exceed 21.2 square centimeters per meter (cm^2/m [1 in^2/ft]) of tank diameter, and the width of any portion of any gap shall not exceed 1.27 cm (0.5 in).
- 35.a.ii. The accumulated area of gaps between the tank wall and the metallic shoe seal or the liquid-mounted seal shall not exceed 212 square centimeters per meter (cm^2/m [10 in^2/ft]) of tank diameter, and the width of any portion of any gap shall not exceed 3.81 cm (1.5 in).
- 35.a.iii. If a metallic shoe seal is used, one end of the metallic shoe must extend into the stored liquid and the other end must extend to the minimum vertical distance of 61 cm (24 in) above the stored liquid surface.
- 35.b. The secondary seal must be installed above the primary seal such that it completely covers the space between the roof edge and the tank wall, in accordance with the following specifications:
- 35.b.i. The accumulated area of gaps between the tank wall and the secondary seal used in combination with a metallic shoe or liquid-mounted primary seal shall not exceed 21.2 cm^2 per meter (1 in^2/ft) of tank diameter; and
- 35.b.ii. the width of any portion of any gap between the tank wall and the secondary seal used in combination with a metallic shoe or liquid-mounted primary seal shall not exceed 1.27 cm (0.5 in). There shall be no gaps between the tank wall and the secondary seal used in combination with a vapor-mounted primary seal.
- 35.b.iii. The permittee is exempted from the requirements for secondary seal gap criteria established in this condition when performing gap measurements or inspections of the primary seal, as conducted per monitoring condition 36.c of this permit.
- 35.c. All openings in the external floating roof, except automatic bleeder vents, rim space vents, and leg sleeves shall be equipped with:
- 35.c.i. Covers, seals, or lids that remain closed except for when the openings are in actual use; and
- 35.c.ii. projections that remain below the liquid surface at all times when projections into the tank are necessary.
- 35.d. Automatic bleeder vents must be closed at all times except when the roof is being floated off or being landed on the roof leg supports.
- 35.e. Rim vents are set to open only when the roof is being floated off the leg supports, or at the manufacturer's recommended setting.
- 35.f. Emergency roof drains must be provided with slotted membrane fabric covers, or equivalent, which cover over at least 90 percent of the area of the drain opening.

- 35.g. Any storage tank grouped under EXTANK storing VOC liquids with a true vapor pressure of less than 1.5 psia at the storage temperature is exempt from the requirements of this condition and the associated monitoring specified in condition 36.
36. **MONITOR AND RECORD** For the equipment specifications applicable to EXTANK, as outlined in condition 35, the permittee shall conduct the required inspection and testing in accordance with the following procedures and frequency:
- 36.a. At minimum of once during each semi-annual reporting period, the permittee shall conduct visual and other inspections necessary to ensure all the tank parts are functioning properly, as outlined in conditions 35.c through 35.f of this permit.
- 36.b. At minimum of once during each annual reporting period, the permittee shall determine compliance with the secondary seal specifications outlined in condition 35.b of this permit by:
- 36.b.i. physically measure the length and width of all gaps around the entire circumference of the secondary seal in each place where a 0.32 cm (1/8 in) uniform diameter probe passes freely (without forcing or binding against the seal) between the seal and tank wall; then
- 36.b.i.(1) continue as necessary with probes of various width to accurately measure the actual distances from the tank wall to the seal and multiply such width by its respective circumferential distance; and
- 36.b.i.(2) add the gap surface area of each gap location, divide the sum by its nominal diameter of the tank, and compare the result to the standard in condition 35.b.i.
- 36.b.ii. make records of all places where the width of any gap between the tank wall and the secondary seal used in combination with a metallic shoe or liquid-mounted primary seal that exceeded 1.27 cm (1/2 in); and
- 36.b.iii. make records of all places where a 0.32 cm (1/8 in) uniform diameter probe (or smaller) passes freely through the width of any gap between the tank wall and the secondary seal used in combination with vapor-mounted primary seal.
- 36.c. At minimum of once during the permit term, the permittee shall determine compliance with the primary seal specifications outlined in condition 35.a of this permit using the same measuring methods specified in item 36.b of this condition, except as noted below:
- 36.c.i. In lieu of monitoring specified in condition 36.b.ii, make records of all places where the width of any gap between the tank wall and metallic shoe or liquid-mounted primary seal that exceeded 3.81 cm (1.5 in); and
- 36.c.ii. In lieu of monitoring specified in condition 36.b.iii, make records of all places where the width of any gap between the tank wall and the vapor-mounted primary seal that exceeded 1.27 cm (0.5 in); and
- 36.c.iii. all primary seal inspections or gap measurements, which require removal or dislodging of the secondary seal, shall be accomplished as rapidly as possible and the secondary seal shall be replaced as soon as possible.

- 36.d. If a storage tank ceases to store volatile organic liquids (VOL) for a period of 1 year or more, subsequent introduction of VOL into the vessel shall be considered an initial fill; and the measurements of gaps between the tank wall and the primary seal and the secondary seal shall be performed within 60 days of the initial fill with VOL and at least once per year thereafter.
- 36.e. **NOTIFY** The permittee shall notify the Department's Northwest Region in writing at least 30 days prior to conducting the required secondary seal compliance inspection per condition 36.b, and provide the Department inspector an opportunity to observe.
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37. **REQUIREMENT** Except as provided in condition 37.g, the internal floating roof storage tanks (**INTANK**) except No.71 shall be equipped with a fixed roof with an internal floating type cover, and meet the following equipment standards and provisions: [OAR 340-232-0150]
- 37.a. The internal floating cover shall be equipped with a continuous closure device (primary seal) between the tank wall and the cover edge.
- 37.b. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during intervals when the storage vessel is completely emptied or subsequently emptied and refilled. During the period the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible.
- 37.c. Each opening in the cover except for automatic bleeder vents and the rim space vents is to be provided a projection below the liquid surface.
- 37.d. Each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, stub drains and leg sleeves is to be equipped with a cover, seal, or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use.
- 37.e. Automatic bleeder vents are to be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports.
- 37.f. Rim space vents are to be set to open only when the internal floating roof is not floating, or set at the manufacturer's recommended setting.
- 37.g. Any storage tank grouped under INTANK storing VOC liquids with a true vapor pressure of less than 1.5 psia at the storage temperature is exempt from the requirements of this condition and the associated monitoring specified in condition 38.
38. **MONITOR AND RECORD** For the equipment specifications applicable to INTANK, excluding No. 71, as outlined in condition 37, the permittee shall conduct the required inspection in accordance with the following procedures and frequency:
- 38.a. Each time the vessel is emptied and degassed, the permittee shall conduct visual and other inspections necessary to ensure all the tank parts are functioning properly, as outlined in condition 37.

- 38.b. At a minimum of once per permit term, the permittee shall visually inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof.
- 38.b.i. If the internal floating roof is not resting on the VOL surface, or there is VOL accumulated on the roof, or the seal is detached, or there are holes, tears, or other openings in the seal fabric, the permittee shall repair the defects or empty and remove the storage vessel from service within 45 days of identification of defects.
- 38.b.ii. If the defects cannot be repaired or the vessel cannot be emptied within 45 days, the permittee may request a 30-day extension. Such extension request shall include a demonstration of unavailability of alternate storage capacity and a specification or a schedule that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible.
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39. **REQUIREMENT** The INTANK No. 71 shall be equipped with a fixed roof with an internal floating type cover, and meet the following equipment standards and provisions in accordance with 40 CFR 60.112b. [OAR 340-232-0150]
- 39.a. Internal floating roof shall be equipped with one of the following closure devices between the wall of the vessel and the edge of the internal floating roof:
- 39.a.i. A foam-filled or liquid-filled seal mounted in contact with the liquid (i.e., liquid-mounted seal);
- 39.a.ii. a mechanical shoe seal; or
- 39.a.iii. two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapor-mounted, but both must be continuous.
- 39.b. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during intervals when the storage vessel is completely emptied or subsequently emptied and refilled. During the period the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible.
- 39.c. Each opening in a non-contact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to be provided a projection below the liquid surface.
- 39.d. Each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains is to be equipped with a cover or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. The cover or lid shall be equipped with a gasket. Covers and each access hatch and automatic gauge float well shall be bolted except when they are in use.
- 39.e. Automatic bleeder vents shall be equipped with a gasket and are to be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports.

- 39.f. Rim space vents shall be equipped with a gasket and are to be set to open only when the internal floating roof is not floating, or set at the manufacturer's recommended setting.
- 39.g. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening.
- 39.h. Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover.
- 39.i. Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover.
40. **MONITOR AND RECORD** For the equipment specifications applicable to INTANK No. 71, as outlined in condition 39, the permittee shall conduct the required inspection and testing in accordance with the following procedures and frequency:
- 40.a. Each time the vessel is emptied and degassed, the permittee shall conduct visual and other inspections necessary to ensure all the tank parts are functioning properly, as outlined in conditions 39.b through 39.i.
- 40.b. At a minimum of once per year, the permittee shall visually inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof.
- 40.b.i. If the internal floating roof is not resting on the VOL surface, or there is VOL accumulated on the roof, or the seal is detached, or there are holes, tears, or other openings in the seal fabric, the permittee shall repair the defects or empty and remove the storage vessel from service within 45 days of identification of defects.
- 40.b.ii. If the defects cannot be repaired or the vessel cannot be emptied within 45 days, the permittee may request for a 30-day extension. Such extension request shall include a demonstration of unavailability of alternate storage capacity and a specification or a schedule that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible.
- 40.c. The permittee shall maintain records of dates storage vessel No. 71 was emptied and refilled; and monitor and record the following product information:
- 40.c.i. type of products stored in each tank; and
- 40.c.ii. the maximum true vapor pressure of that product during the respective storage period.
- 40.d. **NOTIFY** The permittee shall notify the Department Northwest Region in writing at least 30 days prior to conducting any inspection specified in this condition (40), and provide the Department inspector an opportunity to observe.
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41. **REQUIREMENT** All fixed roof storage tanks grouped under FIXTANK having a storage capacity greater than 39,000 gallons shall not store volatile organic compounds with a true vapor pressure, as stored, greater than 1.52 psia at the actual monthly average storage temperature unless the tank is equipped with a vapor recovery system. [OAR 340-232-0150 (1)]
42. **MONITOR AND RECORD** For the purpose of showing compliance with the product storage restriction imposed on FIXTANK with the capacity greater than 39,000 gallons, the permittee shall keep records of all products stored in each fixed roof storage tank with the capacity greater than 39,000 gallons. [*Note: The PSEL recordkeeping requirements of this permit satisfies this condition, and this condition is not an additional monitoring.*]

Table-III. Emission Limits and Standards applicable to Insignificant Activities

Applicable Requirements		Pollutant/ Parameter	Limit/ Standard	Monitoring Requirements	
OAR	Cond No.			Method	Cond No.
340-208-0600	43	opacity	20%	None	--
340-208-0110(2)	44	opacity	20%	None	--
340-228-0210(1)(b)	45	PM/PM ₁₀	0.1 gr/dscf	None	--
340-226-0210(1)(b)	46	PM/PM ₁₀	0.1 gr/dscf	None	--
340-208-0210(2)	47	Fugitive/dust	no nuisance	None	--
340-232-0180	48	VOC	Equipment Specification	None	--
340-242-0730	49	VOC	Coating Specification	None	--
340-208-0450	50	PM	< 250 micron	None	--

43. **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 seconds in any one hour which is equal to or greater than 20% opacity, excluding uncombined water, from any non-fuel burning insignificant source. Opacity shall be measured in accordance with condition 61. [OAR 340-208-0600] [State-only enforceable]
44. **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 minutes in any one hour which is equal to or greater than 20% opacity, excluding uncombined water, from any insignificant source. Opacity shall be measured in accordance with condition 61. [OAR 340-208-0110(2)]
45. **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. Particulate matter emissions shall be measured in accordance with condition 61. [OAR 340-228-0210(1)(b)]

46. **REQUIREMENT** The permittee shall not cause or allow the emissions of particulate matter in excess of 0.1 grain per standard cubic foot (gr/scf) from any non-fuel-burning insignificant source. Particulate matter emissions shall be measured in accordance with condition 61. [OAR 340-226-0210(1)]
47. **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. [OAR 340-208-0210(2)]
48. **REQUIREMENT** The permittee shall operate the parts/tools cleaning equipment and dip tanks at the permitted facility in accordance with the following specifications. Non-VOC solvents as defined in OAR 340-22-0100 are exempt from the requirements of this condition: [OAR 340-232-0180] .
- 48.a. Each sink must be equipped with a cover that is readily opened and closed; and
- 48.b. a cover must be closed during idle periods if the sink contains any free standing solvents.
49. **REQUIREMENT** The permittee shall not knowingly use or contract for the use of any noncomplying spray paint manufactured after July 1, 1996. [OAR 340-242-0730]
50. **REQUIREMENT** The permittee shall not allow emissions of 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. [OAR 340-208-0450] [State-only enforceable]
51. **MONITOR, RECORD, & REPORT** No monitoring, recordkeeping, or reporting is required for Insignificant Activities.
52. **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 table of condition 61.
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PLANT SITE EMISSION LIMITS

53. **ANNUAL PSEL REQUIREMENT** The annual plant site emissions (tons/year) on a rolling 12-month basis shall not exceed the following [OAR 340-222-0020 and 340-222-0040]:

EU ID	PM₁₀	SO₂	NO_x	CO	VOC	H₂S
Plant Site Total	14	81	77	99	179	9
AIA	1	1	1	1	1	1

54. **PLANT SITE EMISSION LIMITS MONITORING** The permittee shall determine compliance with the Plant Site Emissions Limits specified in condition 53 by conducting monitoring in accordance with the procedures, test methods, and frequencies identified in Conditions 55 through 57.

55. The permittee shall monitor and maintain monthly and annual records of the following materials and process parameters:

EMISSIONS UNIT	OPERATING PARAMETER	UNIT	METHOD
FIXTANK EXTANK INTANK	Throughput of each organic product from each storage tank.	gallons	Recordkeeping
TRACK	Throughput of each organic product	gallons	Recordkeeping
OIL/W	Throughput of oily water	gallons	Recordkeeping
FW	VOC/Solvent usage	gallons	Recordkeeping
BOILER FURNACE	Distillate fuel oil burned Natural gas burned NCG burned Air Still fumes burned	gallon 10 ⁶ ft ³ NG 10 ⁶ ft ³ NCG 10 ⁶ ft ³ fumes	Recordkeeping

56. **Fuel Burning Equipment:** At the end of each month, the permittee shall determine the annual emissions from the emissions units BOILER and FURNACE for the previous 12-month period, by using the operating parameters obtained per condition 55, and applying to the following formula and the emissions factors listed below:

$$E_j = \sum (P_i EF_{i,j}) = (P_1 EF_{1,j}) + (P_2 EF_{2,j}) + \dots + (P_n EF_{n,j})$$

where: E_j = pollutant ‘j’ emissions; tons/year.

P_i = operating parameter (e.g., fuel type) identified in condition 55 for BOILER and FURNACE.

EF_{i,j} = emission factor identified for each fuel type and pollutant listed in the following Table.

FUEL	PM ₁₀ ⁽¹⁾	SO ₂ ⁽¹⁾	NO _x	CO	VOC	H ₂ S	UNIT
distillate oil	2.3	71	20	5	0.2	--	lbs/1000 gal
natural gas	2.5	1.7	100	84	5.5	--	lbs/10 ⁶ ft ³
Air still fumes	--	--	--	--	10.52	--	lbs/10 ⁶ ft ³
NCG	2.5	2,709	100	84	5.5	1.2	lbs/10 ⁶ ft ³

⁽¹⁾ PM₁₀ and SO₂ EF are a function of sulfur content (%S) when oil is burned; %S is obtained per facility-wide monitoring condition 19.

57. VOC Sources: At the end of each month, the permittee shall calculate the annual VOC emissions from emissions units FIXTANK, EXTANK, INTANK, TRACK, FGTVOC, and OIL/W, for the previous 12-month period, using the appropriate production throughput obtained per condition 55 and the AP42 algorithms provided below:

- 57.a. VOC emissions from each fixed roof storage tank grouped under the emissions unit FIXTANK shall be calculated using the EPA database TANK 4.0 or newer version.
- 57.b. VOC emissions from each external floating roof storage tank grouped under the emissions unit EXTANK shall be calculated using the EPA database TANK 4.0 or newer version.
- 57.c. VOC emissions from each internal floating roof storage tank grouped under the emissions unit INTANK shall be calculated using the EPA database TANK 4.0 or newer version.
- 57.d. VOC emissions from tanker truck/trailer loading operations grouped under the emissions unit TRACK shall be calculated based on the following AP42 algorithms:

$$L_{TRACK} = Q D_L \text{ (lbs/unit time)}$$

$$D_L = \text{displacement loss} = 12.46 (S P MW) / T \text{ (lbs/10}^3 \text{ gal)}$$

where: Q = throughput in "x1000" gallon
 S = saturation factor, see TABLE-A below
 P = true vapor pressure of liquid loaded, psia (see equation "P" below, only if conversion of Reid vapor pressure (P_{RVP}) to true vapor pressure (P) is needed)
 MW = molecular weight of vapors. For gasoline (mixture) with known P_{RVP};
 $MW_{GAS} = 72.833 - 1.3183(P_{RVP}) + 0.15079(P_{RVP})^2 - 0.0087302(P_{RVP})^3$
 T = stock temperature, °R (= °F + 459.6)

$$P = \exp[(0.7553 - 413/T) S_D^{1/2} \log (P_{RVP}) - (1.854 - 1042/T) S_D^{1/2} + (2416/T - 2.013) \log (P_{RVP}) - (8742/T) + 15.64]$$

where: P_{RVP} = Reid vapor pressure, psia
 S_D = slope of American Society for Testing and Materials distillation

curve at 10% evaporated. For gasoline, $S_D = 3$

- Annual emission from TRACK calculated at the end of each month is obtained from equation (1) by substituting throughput Q for the previous 12-month period:

$$E_{\text{TRACK, ANNUAL}} = L_{\text{TRACK}} / 2000 \quad (\text{tons/year})$$

Carrier	Mode of Operation	Saturation Factor
Tank trucks and rail cars	Submerged loading:	
	Clean cargo tank	0.50
	Dedicated normal service	0.60
	Dedicated vapor balance service	1.00
	Splash loading:	
	Clean cargo tank	1.45
	Dedicated normal service	1.45
Marine vessels	Submerged loading:	
	Ships	0.2
	Barges	0.5

- 57.e. VOC emissions from auxiliary material handling equipment grouped under the emissions unit FGTVOG shall be calculated using the following emission factors listed in the EPA document – “Protocol for Equipment Leak Emissions Estimates,” EPA456/R-95-017.

Component ("i") Type	Average Emission Factor, EF_i (kg/hr per component)	
	Leaking	Non-Leaking
Valves - HL	0.00023	0.00023
Valves - LL	0.0017	0.0852
Valves - G	0.0006	0.2626
Pump Seals - HL	0.0135	0.3885
Pump Seals - LL	0.012	0.437
Pressure Relief Valves - G	0.0447	1.691
Connectors - All	0.00006	0.0375
Open-ended Lines - All	0.0015	0.01195

HL=Heavy Liquid Service LL=Light Liquid Service G=Gaseous Service

- 57.f. VOC emissions from oil and water separators grouped under the emissions unit OIL/W shall be calculated using the equation (2), based on emission factor (AP42 9.1, 4th ed.) provided:

$$^{(2)} E_{\text{OIL/W}} = EF Q \quad (\text{lbs/unit time})$$

Q = waste (oily) water discharge (gallons)
 EF = Emissions Factor = 0.2 lbs/10³ gal. wastewater feed

57.g. The permittee shall maintain monthly and annual usage records of VOC-containing solvents, and calculate the monthly and annual (FW) VOC emissions through material balance from the usage records.

58. **REPORT** Include in the annual report the following emissions data:

58.a. For emissions units identified below, report the highest annual emissions rate noted during the reporting year:

EMISSIONS UNIT	ANNUAL PARAMETERS	UNIT
BOILER FURNACE	summary of annual emissions noted for each criteria pollutant, and associated fuel usage.	tons/yr; type of fuel & amount.
FIXTANK, INTANK, EXTANK	VOC emissions Product throughputs	tons/yr gallons/yr
TRACK	VOC emissions Product throughputs	tons/yr gallons/yr
FGTVOC	VOC emissions	tons/yr
OIL/W	VOC emissions Wastewater processed	tons/yr 10 ⁶ gallons/yr
FW	VOC emissions Type and amount of VOC/solvent used	tons/yr gallons/yr

- 58.a.i. For each regulated criteria pollutant, report highest annual emissions rate from BOILER/FURNACE and associated fuel usage and type,
- 58.a.ii. highest annual VOC emissions rate from each of the emissions units FIXTANK, EXTANK, INTANK, TRACK, and the annual products throughputs associated with each emissions unit identified;
- 58.a.iii. highest annual VOC emissions rate from FGTVOC;
- 58.a.iv. highest annual VOC emissions rate from OIL/Water separators, and associated wastewater discharge; and
- 58.a.v. highest annual VOC emissions from FW and associated solvent usage.

58.b. In addition, report the 12-month summary of annual-total (plant site) emissions rate noted at the end of each month during the reporting year.

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

59. Unless otherwise specified in this permit, all testing shall be conducted in accordance with the Department's Source Sampling Manual. [OAR 340-212-0120]
60. At a minimum of once during the permit term, but no later than 18 months from the date of the permit issuance, the permittee shall perform source testing for SO₂ on furnace F1B, using EPA Method 6 or an alternative method approved by the Department. Unless otherwise approved in writing by the Department, the source testing shall be performed in accordance with the following conditions:
- 60.a. Source testing shall be performed in accordance with the Department's Source Sampling Manual.
 - 60.b. Source testing shall be performed during the period when the distillation column gases are fed to the furnace F1B at a rate of 150 scfm or higher.
 - 60.c. The permittee shall monitor or test for the following operating parameters during testing:
 - 60.c.i. type of products (crude oil) processed, and the rate of feed to the distillation column;
 - 60.c.ii. H₂S content, volume %, in distillation column gases; and
 - 60.c.iii. type and the amount of fuel burned with the distillation column gases in F1B.
 - 60.d. The Department shall be notified, in writing, at least 15 days prior to conducting any source test.
61. 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:

Cond.	Test Method	Averaging Time	Special Conditions
46	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 or other heat sources (e.g., particle and veneer dryers); ODEQ Method 5 is for indirect contact fuel burning equipment (e.g., boilers) and any other source.
44	EPA Method	aggregate of three (3) minutes in any 60 minute period	The test duration may be less than 60 minutes if a violation of the standard is documented before the full 60 minute observation period is completed.
43		aggregate of thirty (30) seconds in any 60 minute period	
45	ODEQ Methods 5, 7, or 8	average of three test runs	The sample time for each test run shall be no less than one hour and no longer than eight hours.

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

62. As specified throughout this permit, the permittee shall maintain the following records of required monitoring information, when applicable:
- 62.a. the date, place as defined in the permit, and time of sampling or measurements;
 - 62.b. the date(s) analyses were performed;
 - 62.c. the company or entity that performed the analyses;
 - 62.d. the analytical techniques or methods used;
 - 62.e. the results of such analyses;
 - 62.f. the operating conditions as existing at the time of sampling or measurement;
 - 62.g. the records of quality assurance for continuous monitoring systems (including but not limited to quality control activities, audits, calibrations drift checks);
 - 62.h. visual inspection results, and a summary of corrective actions taken, if any;
 - 62.i. records of actions taken, if any, per SERP;
 - 62.j. complaint log and investigation reports;
 - 62.k. the opacity readings, if any;
 - 62.l. records of solvent usage, fuel usage, and/or waste manifest used to determine compliance with the PSEL; and
 - 62.m. any other records of physical and operating parameters that can be used to show compliance with the permit conditions.
63. The permittee shall maintain the following specific records of required monitoring information that include the following:
- 63.a. Monthly and annual records of product throughputs from TRACK;
 - 63.b. monthly and annual records of product throughputs for each storage tank defined in FIXTANK, INTANK, and EXTANK;
 - 63.c. monthly and annual records of waste (oily) water processed through OIL/W;
 - 63.d. monthly and annual calculations of VOC emissions;
 - 63.e. daily and annual records of the type and amount of fuel used in BOILER and FURNACE;
 - 63.f. fuel sulfur analyses certificates; and
 - 63.g. complaint log and investigation reports, if any.
64. The permittee shall maintain a leaking component monitoring log containing the following information obtained during the monitoring conducted per condition 33. [OAR 340-232-0140 (f)]
- 64.a. The name of the process unit where the component is located;
 - 64.b. the type of component (e.g., valve, seal);
 - 64.c. the tag number of component;
 - 64.d. the date on which a leaking component is discovered;
 - 64.e. the date on which a leaking component is repaired;
 - 64.f. the date and instrument reading of the recheck procedure after a leaking component is repaired;
 - 64.g. a record of the calibration of the monitoring instrument;
 - 64.h. those leaks that cannot be repaired until turnaround, (exception to the 15 day requirement of condition 32.b); and
 - 64.i. the total number of components checked and the total number of components found leaking.

65. The permittee shall retain records of all required monitoring data and support information for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings 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)]

66. QUARTERLY & SEMI-ANNUAL REPORTING REQUIREMENTS: The permittee shall adhere to the quarterly and semiannual reporting requirements specified in conditions 22 and 34.
67. 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:
- 67.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.
- 67.b. The permittee may use forms supplied by the Department or equivalent forms approved by the Department.
- 67.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.
68. ANNUAL REPORTING REQUIREMENTS: The permittee shall submit four (4) copies of the annual monitoring report, using Department approved forms, by February 15, unless otherwise approved in writing by the Department. The annual monitoring report shall include the following information:
- 68.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.
- 68.b. The emission fee report [OAR 340-220-0100]
- 68.c. The excess emissions upset log, if applicable [OAR 340-214-0340]
- 68.d. The emissions and compliance monitoring data as specified in conditions 8, 11, 25, 28, 31, 34, and 58.
69. The permittee shall submit the following additional reports and/or information to the DEQ - Northwest Region as required by specific conditions within the permit:

- 69.a. source test plans/notifications prior to conducting actual test/measurements as specified; and
 - 69.b. when requested by the Department, submit all relevant records, data, and support information maintained at the plant site per recordkeeping requirements of conditions 62 through 65.
70. 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)]
- 70.a. The identification of each term or condition of the permit that is the basis of the certification;
 - 70.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;
 - 70.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
 - 70.d. Such other facts as the Department may require to determine the compliance status of the source.
71. 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)]
72. Excess Emissions Reporting [OAR 340-214-0300 through 340-214-0360]
- 72.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.

- 72.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.
 - 72.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.
 - 72.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.
 - 72.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.
73. 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)]
74. 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)]
75. Reporting requirements shall commence on the date of permit issuance unless otherwise specified in the permit. [OAR 340-218-0050(3)(c)(E)]
76. Addresses of regulatory agencies are the following, unless otherwise instructed:

DEQ - Northwest Region	DEQ - Air Quality Division	EPA - Region X
2020 S.W. 4th Avenue, #400 Portland, OR 97201-5884	811 SW Sixth Avenue Portland, OR 97204	Mail Stop OAQ-108 1200 Sixth Avenue Seattle, WA 98101
(503) 229-5263	(503) 229-5359	(206) 553-1200

NON-APPLICABLE REQUIREMENTS

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

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

- Division 202: Entire Division.
- Division 204: Rules 0010 through 0060, 0090.
- Division 210: Rules 0100 through 0120, 0200 through 0220.
- Division 218: Rules 0090, 0100.
- Division 226: Rules 0310.
- Division 230: Rules 0010 through 0230.
- Division 232: Rules 0050, 0120, 0060 through 0180, 0200 through 0240.
- Division 234: Rules 0010, 0100 through 0140, 0200 through 0270, 0310 through 0360, 0400 through 0430, 0500 through 0530.
- Division 236: Rules 0010, 0100, 0120 through 0150, 0200, 0220, 0300 through 0330, 0410 through 0440.
- Division 242: Rules 0500 through 0520.
- Division 256: Entire Division except Rules 0010, 0150, 0160.
- Division 258: Rules 0110 through 0300, 0400.

77.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 208: Rules 0650 through 0670.
- Division 240: Rules 0100 through 0360.

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

- Division 208: Rules 0520, 0630.
- Division 228: Rules 0200.

77.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 228: Rules 0100, 0120.

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

- Division 222: Rules 0050.
- Division 244: Rules 0100 through 0180.

78. Federal applicable requirements determined not applicable to the permittee at the time of permit issuance, but which may apply in the future, are listed below:

- 40 CFR Part 55,
- 40 CFR Part 57,
- 40 CFR Part 60 except subparts A, Dc, K, Ka, Kb, GGG and appendices.
- 40 CFR Part 61, except subparts A, M, FF, and appendices.
- 40 CFR Part 63, except subparts A and appendices.
- 40 CFR Part 68,
- 40 CFR Parts 72, 73, 75, 76,
- 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 340-218-0190]

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)]

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.

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) 229-5263