

DEPARTMENT OF ENVIRONMENTAL CONSERVATION

AIR QUALITY OPERATING PERMIT

Permit No. AQ0241TVP06

Issue Date: [Public Comment - October 6, 2026]

Expiration Date: [Five Years]

The Alaska Department of Environmental Conservation, under the authority of AS 46.14 and 18 AAC 50, issues an operating permit to the Permittee, **Westward Seafoods, Inc.**, for the operation of the **Unalaska Seafood Processing Facility**.

This permit satisfies the obligation of the owner and operator to obtain an operating permit as set out in AS 46.14.130(b).

As set out in AS 46.14.120(c), the Permittee shall comply with the terms and conditions of this operating permit.

All currently applicable stationary source-specific terms and conditions of Air Quality Control Permit to Operate No. 9625-AA006 and Minor Permit No. AQ0241MSS03 Revision 1 have been incorporated into this operating permit.

Citations listed herein are contained within the effective version of 18 AAC 50 at permit issuance. All federal regulation citations are from those sections adopted by reference in this version of regulation in 18 AAC 50.040 unless otherwise specified.

Upon effective date of this permit, Operating Permit No. AQ0241TVP05 expires.

This Operating Permit becomes effective <insert date—30 days after issue date>.

P. Moses Coss, Manager
Air Permits Program

Table of Contents

	Abbreviations and Acronyms	iv
Section 1.	Stationary Source Information	1
	Identification	1
Section 2.	Emissions Unit Inventory and Description	2
Section 3.	State Requirements	3
	Visible Emissions Standard	3
	Visible Emissions Monitoring, Recordkeeping, and Reporting (MR&R).....	3
	Particulate Matter (PM) Emissions Standard.....	8
	PM MR&R.....	8
	Sulfur Compound Emissions Standard	11
	Sulfur Compound MR&R.....	11
	Preconstruction Permit Requirements.....	11
	Insignificant Emissions Units	17
Section 4.	Federal Requirements	19
	40 C.F.R. Part 60 New Source Performance Standards (NSPS)	19
	NSPS Subpart A – General Provisions	19
	NSPS Subpart IIII – Compression Ignition Internal Combustion Engines (CI ICE), EU ID 4a	20
	40 C.F.R. Part 63 National Emission Standards for Hazardous Air Pollutants (NESHAP)	24
	NESHAP Subpart A – General Provisions	24
	NESHAP Subpart ZZZZ – Stationary RICE, EU IDs 1 through 6.....	24
	NESHAP Subpart JJJJJ - Industrial, Commercial, and Institutional (ICI) Boilers, EU IDs 7 through 10.....	27
	40 C.F.R. Part 61 National Emission Standards for Hazardous Air Pollutants (NESHAP)	30
	Subpart A – General Provisions & Subpart M – Asbestos	30
	40 C.F.R. 68 Chemical Accident Prevention Provisions.....	31
	40 C.F.R. Part 82 Protection of Stratospheric Ozone	31
	NESHAP Applicability Determination Requirements.....	31
Section 5.	General Conditions	32
	Standard Terms and Conditions.....	32
	Open Burning Requirements.....	35

Section 6.	General Source Testing and Monitoring Requirements.....	36
Section 7.	General Recordkeeping and Reporting Requirements.....	39
	Recordkeeping Requirements	39
	Reporting Requirements	39
Section 8.	Permit Changes and Renewal	45
Section 9.	Compliance Requirements	47
	General Compliance Requirements	47
Section 10.	Permit As Shield from Inapplicable Requirements	48
Section 11.	Visible Emissions Forms	50
Section 12.	Notification Form.....	52

Abbreviations and Acronyms

AAC.....	Alaska Administrative Code	MMscf.....	million standard cubic feet
ADEC	Alaska Department of Environmental Conservation	MR&R.....	monitoring, recordkeeping, and reporting
Administrator.....	EPA and the Department.	NAICS.....	North American Industrial Classification System
AOS	Air Online Services	NESHAP	National Emission Standards for Hazardous Air Pollutants [as contained in 40 C.F.R. 61 and 63]
AS	Alaska Statutes	NH ₃	ammonia
ASTM.....	American Society for Testing and Materials	NO _x	nitrogen oxides
BACT	best available control technology	N ₂ O.....	Nitrous Oxide
BHp.....	boiler horsepower	NSPS	New Source Performance Standards [as contained in 40 C.F.R. 60]
bHp	brake horsepower	O & M	operation and maintenance
CBI	confidential business information	O ₂	oxygen
CDX.....	Central Data Exchange	PAL	plantwide applicability limitation
CEDRI	Compliance and Emissions Data Reporting Interface	Pb	lead
C.F.R.	Code of Federal Regulations	PM.....	particulate matter
CAA or The Act .	Clean Air Act	PM ₁₀	particulate matter less than or equal to a nominal 10 micrometers in diameter
CO	carbon monoxide	PM _{2.5}	particulate matter less than or equal to a nominal 2.5 micrometers in diameter
CO ₂ e	CO ₂ -equivalent	ppm	parts per million
CROMERR.....	Cross-Media Electronic Reporting Rule	ppmv, ppmvd	parts per million by volume on a dry basis
Department	Alaska Department of Environmental Conservation	psia	pounds per square inch (absolute)
dscf	dry standard cubic foot	PSD	prevention of significant deterioration
EPA	US Environmental Protection Agency	PTE	potential to emit
ERT	Electronic Reporting Tool	SIC.	Standard Industrial Classification
EU.....	emissions unit	SIP.....	State Implementation Plan
EU ID	emissions unit identification number	SPC	Standard Permit Condition
GACT	Generally Available Control Technology	SO ₂	sulfur dioxide
GAPCP	Good Air Pollution Control Practice	tph	tons per hour
GHG	Greenhouse Gas	TPY	tons per year
gr/dscf.....	grain per dry standard cubic foot (1 pound = 7000 grains)	VOC	volatile organic compound [as defined in 40 C.F.R. 51.100(s)]
gph.....	gallons per hour	VOL	volatile organic liquid [as defined in 40 C.F.R. 60.111b, Subpart Kb]
HAPs	hazardous air pollutants [as defined in AS 46.14.990]	vol%	volume percent
Hp	horsepower	wt%	weight percent
kPa.....	kiloPascals	wt% _{fuel}	weight percent of sulfur in fuel
LAER.....	lowest achievable emission rate		
MACT	maximum achievable control technology [as defined in 40 C.F.R. 63]		
MMBtu/hr.....	million British thermal units per hour		

Section 1. Stationary Source Information

Identification

Permittee:	Westward Seafoods, Inc. 3015 112 th Avenue NE, Suite 100 Bellevue, WA 98004	
Stationary Source Name:	Unalaska Seafood Processing Facility	
Location:	53.88° North; 166.54° West	
Physical Address:	551 W. Broadway Unalaska, AK 99685	
Owner:	Westward Seafoods, Inc. 3015 112 th Avenue NE, Suite 100 Bellevue, WA 98004	
Operator:	Westward Seafoods, Inc. 3015 112 th Avenue NE, Suite 100 Bellevue, WA 98004	
Permittee's Responsible Official:	Dr. Greg Peters, Corporate Director of Environmental Compliance PO Box 530 Unalaska, AK 99685	
Designated Agent:	Richard Elliot of Davis, Wright, Tremaine, LLP 920 Fifth Avenue, Ste. 3300 Seattle, WA 98101-1610	
Stationary Source and Building Contact:	Dr. Greg Peters, Corporate Director of Environmental Compliance PO Box 530 Unalaska, AK 99685 (907) 581-7543 Greg.peters@wsi.us	
Permit Contact:	Dr. Greg Peters, Corporate Director of Environmental Compliance PO Box 530 Unalaska, AK 99685 (907) 581-7543 Greg.peters@wsi.us	
Fee Contact:	DeNelle Knutzen, Accounts Payable 3015 112 th Ave. NE, Suite 100 Bellevue, WA 98004 (206) 682-5949 ap@wsi.us	
Process Description:	SIC Code	2092 - Prepared fresh or frozen fish and seafoods
	NAICS Code:	311710 - Seafood product preparation and packaging

[18 AAC 50.040(j)(3) & 50.326(a)]
[40 C.F.R. 71.5(c)(1) & (2)]

Section 2. Emissions Unit Inventory and Description

Emissions units (EUs) listed in Table 1 have specific monitoring, recordkeeping, or reporting conditions in this permit. Emissions unit descriptions and ratings are given for identification purposes only.

Table 1 - Emissions Unit Inventory

EU ID	Emissions Unit Name	Emissions Unit Description	Rating/Size	Installation or Construction Date
1	Caterpillar D-398	Diesel Generator, SN 66B4976	500 kW	Pre 1986
2	Caterpillar D-398	Diesel Generator, SN 67B1435	500 kW	Pre 1986
3a ¹	Caterpillar 3512B-DITA	Diesel Generator, SN CTB00192	890 kW	2013/2004 ²
4a ¹	Caterpillar D-3508C-DITA	Diesel Generator, SN LLC00200	682 kW/915 bHp	2009
5	Caterpillar D-3606	Diesel Generator, SN 8RB00312	1,500 kW	1987
6	Caterpillar D-3608	Diesel Generator, 6MC0281	2,000 kW	1990
7	York Shipley Model SPH-350N5-153000	Steam Boiler, SN 7711660H70386	350 BHp/ 15.75 MMBtu/hr ⁴	Pre 1986
8	Seattle Boiler Works Model HPFWB-1650	Steam Boiler, Four Pass Wet Back Boiler w/ST Johnson Model FT98 Low NO _x Burner, SN L90600	9.7 MMBtu/hr	2000
9	Seattle Boiler Works Model HPT-1650	Steam Boiler SN L50972	300 BHp/ 13.5 MMBtu/hr ⁴	1990
10	Kewanee Model H3S-200-G06	Steam Boiler SN R5801	200 BHp/ 6.695 MMBtu/hr	1990
12 ³	Various refrigeration equipment	Refrigeration system and related equipment	More than 40,000 lbs of anhydrous ammonia	See note 3

Notes:

1. EU IDs 3a and 4a replaced EU IDs 3 and 4 (respectively), which have been removed from the stationary source.
2. EU ID 3a is a 2004 model year; installed at the stationary source in 2013.
3. EU ID 12 is added in the table because it is subject to the requirements of 40 C.F.R. 68 for anhydrous ammonia storage. See Condition 43.
4. The MMBtu/hr ratings shown for EU IDs 7 and 9 were calculated from the bHp ratings using the AP-42 5th Edition, Appendix A boiler conversion factor: 1 bHp = 45 x 10³ Btu/hr = 45 x 10⁻³ MMBtu/hr.

[18 AAC 50.326(a)]
[40 C.F.R. 71.5(c)(3)]

Section 3. State Requirements

Visible Emissions Standard

- 1. Industrial Process and Fuel-Burning Equipment Visible Emissions.** The Permittee shall not cause or allow visible emissions, excluding condensed water vapor, emitted from EU IDs 1, 2, 3a, 4a, and 5 through 10 listed in Table 1 to reduce visibility through the exhaust effluent by more than 20 percent averaged over any six consecutive minutes.

[18 AAC 50.040(j)(4), 50.055(a)(1), 50.326(j)(3), & 50.346(c)]
[40 C.F.R. 71.6(a)(1)]

- 1.1. For EU IDs 1, 2, 3a, 4a, and 5 through 10, monitor, record, and report in accordance with Conditions 2 through 4.

[18 AAC 50.040(j)(4), 50.326(j)(3) & (4), & 50.346(c)]
[40 C.F.R. 71.6(a)(3) & (c)(6)]

Visible Emissions Monitoring, Recordkeeping, and Reporting (MR&R)

Liquid Fuel-Burning Equipment

- 2. Visible Emissions Monitoring.** When required by Condition 1.1, or in the event of replacement¹ during the permit term, the Permittee shall observe the exhaust of EU IDs 1, 2, 3a, 4a, and 5 through 10 for visible emissions using either the Method 9 Plan under Condition 2.3 or the Smoke/No-Smoke Plan under Condition 2.4.

- 2.1. The Permittee may change the visible emissions monitoring plan for an emissions unit at any time unless prohibited from doing so by Condition 2.5.

- 2.2. The Permittee may for each unit elect to continue the visible emissions monitoring schedule specified in Conditions 2.3.b through 2.3.e or Conditions 2.4.b through 2.5 that remains in effect from a previous permit.

- 2.3. **Method 9 Plan.** For all observations in this plan, observe emissions unit exhaust, following 40 C.F.R. 60, Appendix A-4, Method 9 for 18 minutes to obtain 72 consecutive 15-second opacity observations.²

- a. First Method 9 Observation. Except as provided in Condition 2.2 or Condition 2.5.c(ii), observe the exhausts of EU IDs 1, 2, 3a, 4a, and 5 through 10 according to the following criteria:

- (i) For any unit, observe emissions unit exhaust within 14 calendar days after changing from the Smoke/No-Smoke Plan of Condition 2.4.
- (ii) Except as provided in Condition 2.3.a(iii), for any of EU IDs 1, 2, 3a, 4a, and 5 through 10, observe exhaust within six months after the effective date of this permit.

¹ "Replacement," as defined in 40 C.F.R. 51.166(b)(32).

² Visible emissions observations are not required during emergency operations.

- (iii) For any unit replaced, observe exhaust within 60 days of the newly installed emissions unit becoming fully operational.³ Except as provided in Condition 2.3.e, after the First Method 9 observation:
 - (A) For EU IDs 1, 2, 3a, 4a, and 5 through 10, continue with the monitoring schedule of the replaced emissions unit.
 - b. Monthly Method 9 Observations. After the first Method 9 observation conducted under Condition 2.3.a, perform observations at least once in each calendar month that the emissions unit operates.
 - c. Semiannual Method 9 Observations. After at least three monthly observations under Condition 2.3.b, unless a six-consecutive-minute average opacity is greater than 15 percent and one or more individual observations are greater than 20 percent, perform semiannual observations
 - (i) no later than seven months, but not earlier than five months, after the preceding observation; or
 - (ii) for an emissions unit with intermittent operations, during the next scheduled operation immediately following seven months after the preceding observation.
 - d. Annual Method 9 Observations. After at least two semiannual observations under Condition 2.3.c, unless a six-consecutive-minute average opacity is greater than 15 percent and one or more individual observations are greater than 20 percent, perform annual observations
 - (i) no later than 12 months, but not earlier than 10 months, after the preceding observation; or
 - (ii) for an emissions unit with intermittent operations, during the next scheduled operation immediately following 14 months after the preceding observation.
 - e. Increased Method 9 Frequency. If a six-consecutive-minute average opacity is observed during the most recent set of observations to be greater than 15 percent and one or more individual observations are greater than 20 percent, then increase or maintain the observation frequency for that emissions unit to at least monthly intervals as described in Condition 2.3.b, and continue monitoring in accordance with the Method 9 Plan.
- 2.4. **Smoke/No Smoke Plan.** Observe the emissions unit exhaust for the presence or absence of visible emissions, excluding condensed water vapor.
- a. Initial Monitoring Frequency. Observe the emissions unit exhaust during each calendar day that the emissions unit operates for a minimum of 30 days.

³ “Fully operational” means upon completion of all functionality checks and commissioning after unit installation. “Installation” is complete when the unit is ready for functionality checks to begin.

- b. Reduced Monitoring Frequency. If the emissions unit operates without visible emissions for 30 consecutive operating days as required in Condition 2.4.a, observe the emissions unit exhaust at least once in every calendar month that the emissions unit operates.
 - c. Smoke Observed. If visible emissions are observed, comply with Condition 2.5.
- 2.5. **Corrective Actions Based on Smoke/No Smoke Observations.** If visible emissions are present in the emissions unit exhaust during an observation performed under the Smoke/No Smoke Plan of Condition 2.4, then the Permittee shall either begin the Method 9 Plan of Condition 2.3 or:
 - a. Initiate actions to eliminate visible emissions from the emissions unit within 24 hours of the observation;
 - b. Keep a written record of the starting date, the completion date, and a description of the actions taken to reduce visible emissions; and
 - c. After completing the actions required under Condition 2.5.a,
 - (i) conduct smoke/no smoke observations in accordance with Condition 2.4:
 - (A) at least once per day for the next seven operating days and, if applicable, until the initial 30-day observation period of Condition 2.4.a is completed; and
 - (B) continue as described in Condition 2.4.b; or
 - (ii) if the actions taken under Condition 2.5.a do not eliminate the visible emissions, or if subsequent visible emissions are observed under the schedule of Condition 2.5.c(i)(A), then observe the emissions unit exhaust using the Method 9 Plan unless the Department gives written approval to resume observations under the Smoke/No Smoke Plan. After observing visible emissions and making observations under the Method 9 Plan, the Permittee may at any time take corrective action to eliminate visible emissions and restart the Smoke/No Smoke Plan under Condition 2.4.a.

[18 AAC 50.040(j)(4), 50.326(j)(3), & 50.346(c)]
[40 C.F.R. 71.6(a)(3)(i)]

3. Visible Emissions Recordkeeping. The Permittee shall keep records as follows:

- 3.1. For all Method 9 observations,
 - a. the observer shall record the following:
 - (i) the name of the stationary source, emissions unit and location, emissions unit type, observer's name and affiliation, and the date on the Visible Emissions Observation Form in Section 11;

- (ii) the time, estimated distance to the emissions location, sun location, approximate wind direction, estimated wind speed, description of the sky condition (presence and color of clouds), plume background, and operating rate (load or fuel consumption rate or best estimate, if unknown) on the sheet at the time opacity observations are initiated and completed;
 - (iii) the presence or absence of an attached or detached plume and the approximate distance from the emissions outlet to the point in the plume at which the observations are made;
 - (iv) opacity observations to the nearest five percent at 15-second intervals on the Visible Emission Observation Form in Section 11; and
 - (v) the minimum number of observations required by the permit; each momentary observation recorded shall be deemed to represent the average opacity of emissions for a 15-second period.
 - b. To determine the six-consecutive-minute average opacity,
 - (i) divide the observations recorded on the record sheet into sets of 24 consecutive observations;
 - (ii) sets need not be consecutive in time and in no case shall two sets overlap;
 - (iii) for each set of 24 observations, calculate the average by summing the opacity of the 24 observations and dividing this sum by 24; and
 - (iv) record the average opacity on the sheet.
 - c. Calculate and record the highest six-consecutive- and 18-consecutive-minute average opacities observed.
- 3.2. If using the Smoke/No Smoke Plan of Condition 2.4, record the following information in a written log for each observation and submit copies of the recorded information upon request of the Department:
- a. the date and time of the observation;
 - b. the EU ID of the emissions unit observed;
 - c. whether visible emissions are present or absent in the emissions unit exhaust;
 - d. a description of the background to the exhaust during the observation;
 - e. if the emissions unit starts operation on the day of the observation, the startup time of the emissions unit;
 - f. name and title of the person making the observation; and
 - g. operating rate (load or fuel consumption rate or best estimate, if unknown).

3.3. The records required by Conditions 3.1 and 3.2 may be kept in electronic format.

[18 AAC 50.040(j)(4), 50.326(j)(3), & 50.346(c)]
[40 C.F.R. 71.6(a)(3)(ii)]

4. Visible Emissions Reporting. The Permittee shall report as follows:

- 4.1. In the first operating report required in Condition 76 under this permit term, the Permittee shall state the intention to either continue the visible emissions monitoring schedule in effect from the previous permit or reset the visible emissions monitoring schedule.
- 4.2. Include in each operating report required under Condition 76 for the period covered by the report
 - a. which visible emissions plan of Condition 2 was used for each emissions unit; if more than one plan was used, give the time periods covered by each plan;
 - b. for all Method 9 Plan observations:
 - (i) copies of the observation results (i.e., opacity observations) for each emissions unit, except for the observations the Permittee has already supplied to the Department; and
 - (ii) a summary to include:
 - (A) number of days observations were made;
 - (B) highest six-consecutive- and 18-consecutive-minute average opacities observed; and
 - (C) dates when one or more observed six-consecutive-minute average opacities were greater than 20 percent;
 - c. for each emissions unit under the Smoke/No Smoke Plan, the number of days that smoke/no smoke observations were made and which days, if any, that visible emissions were observed; and
 - d. a summary of any monitoring or recordkeeping required under Conditions 2 and 3 that was not done.
- 4.3. Report under Condition 75
 - a. the results of Method 9 observations that exceed 20 percent average opacity for any six-consecutive-minute period; and
 - b. if any monitoring under Condition 2 was not performed when required, report within three days of the date that the monitoring was required.

[18 AAC 50.040(j)(4), 50.326(j)(3), & 50.346(c)]
[40 C.F.R. 71.6(a)(3)(iii)]

Particulate Matter (PM) Emissions Standard

- 5. Industrial Process and Fuel-Burning Equipment PM Emissions.** The Permittee shall not cause or allow particulate matter emitted from EU IDs 1, 2, 3a, 4a, and 5 through 10 listed in Table 1 to exceed 0.05 grains per cubic foot of exhaust gas corrected to standard conditions and averaged over three hours.

[18 AAC 50.040(j)(4), 50.055(b)(1), 50.326(j)(3), & 50.346(c)]
[40 C.F.R. 71.6(a)(1)]

- 5.1. For EU IDs 1, 2, 3a, 4a, 5, and 6, monitor, record and report in accordance with Conditions 6 through 8.
- 5.2. For EU IDs 7 through 10, monitor, record and report in accordance with Conditions 9 through 11.

[18 AAC 50.040(j)(4), 50.326(j)(3), & 50.346(c)]
[40 C.F.R. 71.6(a)(3)]

PM MR&R

Liquid Fuel-Burning Engines

- 6. PM Monitoring.** The Permittee shall conduct source tests on EU IDs 1, 2, 3a, 4a, 5, and 6, to determine the concentration of PM in the exhaust of each emissions unit as follows:

[18 AAC 50.040(j)(4), 50.326(j)(3), & 50.346(c)]
[40 C.F.R. 71.6(a)(3)(i)]

- 6.1. If the result of any Method 9 observation conducted under Condition 2.3 for any of EU IDs 1, 2, 3a, 4a, 5, and 6 is greater than the criteria of Condition 6.2.a or Condition 6.2.b, the Permittee shall, within six months of that Method 9 observation, either:
- a. take corrective action and observe the emissions unit exhaust under load conditions comparable to those when the criteria were exceeded, following 40 C.F.R. 60, Appendix A-4 Method 9 for 18 minutes to obtain 72 consecutive 15-second opacity observations, to show that emissions are no longer greater than the criteria of Condition 6.2; or
 - b. except as exempted in Condition 6.4, conduct a PM source test according to requirements set out in Section 6.
- 6.2. Take corrective action or conduct a PM source test, in accordance with Condition 6.1, if any Method 9 observation under Condition 2.3 results in an 18-minute average opacity greater than
- a. 20 percent for an emissions unit with an exhaust stack diameter that is equal to or greater than 18 inches; or
 - b. 15 percent for an emissions unit with an exhaust stack diameter that is less than 18 inches, unless the Department has waived this requirement in writing.

- 6.3. During each one-hour PM source test run under Condition 6.1.b, observe the emissions unit exhaust for 60 minutes in accordance with Method 9 and calculate the highest 18-consecutive-minute average opacity measured during each one-hour test run. Submit a copy of these observations with the source test report.
- 6.4. The PM source test requirements in Condition 6.1.b are waived for an emissions unit if
 - a. a source test on that unit has shown compliance with the PM standard during this permit term; or
 - b. corrective action was taken to reduce visible emissions and two consecutive 18-minute Method 9 visible emissions observations (as described in Condition 2.3) conducted thereafter within a six-month period show visible emissions less than the threshold in Condition 6.2.

7. PM Recordkeeping. The Permittee shall comply with the following:

- 7.1. Keep records of the results of any source test and visible emissions observations conducted under Condition 6.

[18 AAC 50.040(j)(4), 50.326(j)(3), & 50.346(c)]
[40 C.F.R. 71.6(a)(3)(ii)]

8. PM Reporting. The Permittee shall report as follows:

- 8.1. Notify the Department of any Method 9 observation results that are greater than the threshold of either Condition 6.2.a or Condition 6.2.b within 30 days of the end of the month in which the observations occurred. Include the dates, EU ID(s), and results when an observed 18-minute average opacity was greater than an applicable threshold in Condition 6.2.
- 8.2. In each operating report under Condition 76, include:
 - a. a summary of the results of any PM source test and visible emissions observations conducted under Condition 6; and
 - b. copies of any visible emissions observation results greater than the thresholds of Condition 6.2, if they were not already submitted.
- 8.3. Report in accordance with Condition 75
 - a. anytime the results of a PM source test exceed the PM emissions standard in Condition 5; or
 - b. if the requirements under Condition 6.1 were triggered and the Permittee did not comply on time with either Condition 6.1.a or 6.1.b. Report the deviation within 24 hours of the date compliance with Condition 6.1 was required.

[18 AAC 50.040(j)(4), 50.326(j)(3), & 50.346(c)]
[40 C.F.R. 71.6(a)(3)(iii)]

Liquid Fuel-Burning Boilers

9. PM Monitoring. The Permittee shall conduct source tests on EU IDs 7 through 10, to determine the concentration of PM in the exhaust of each emissions unit as follows:

- 9.1. If the result of any Method 9 observation conducted under Condition 2.3 for any of EU IDs 7 through 10 results in an 18-minute average opacity greater than 20 percent opacity, the Permittee shall, within six months of that Method 9 observation, either:
 - a. take corrective action and observe the emissions unit exhaust under load conditions comparable to those when the criteria were exceeded, following 40 C.F.R. 60, Appendix A-4 Method 9 for 18 minutes to obtain 72 consecutive 15-second opacity observations, to show that emissions are no longer greater than an 18-minute average opacity of 20 percent; or
 - b. except as exempted under Condition 9.3, conduct a PM source test according to the requirements in Section 6.
- 9.2. During each one-hour PM source test run under Condition 9.1, observe the emissions unit exhaust for 60 minutes in accordance with Method 9 and calculate the highest 18-consecutive-minute average opacity measured during each one-hour test run. Submit a copy of these observations with the source test report.
- 9.3. The PM source test requirement in Condition 9.1 is waived for an emissions unit if:
 - a. a source test on that unit has shown compliance with the PM standard during the permit term; or
 - b. corrective action was taken to reduce visible emissions and two consecutive 18-minute Method 9 visible emissions observations (as described in Condition 2.3) conducted thereafter within a six-month period show visible emissions less than the threshold in Condition 9.1.
- 9.4. When burning used oil blends, comply with Condition 17.2.

[18 AAC 50.040(j)(4), 50.326(j)(3), & 50.346(c)]
[40 C.F.R. 71.6(a)(3)(i)]

10. PM Recordkeeping. The Permittee shall comply with the following:

- 10.1. Keep records of the results of any source test and visible emissions observations conducted under Condition 9.

[18 AAC 50.040(j)(4), 50.326(j)(3), & 50.346(c)]
[40 C.F.R. 71.6(a)(3)(ii)]

11. PM Reporting. The Permittee shall report as follows:

- 11.1. Notify the Department of any Method 9 observation results that are greater than the threshold of Condition 9.1 within 30 days of the end of the month in which the observations occurred. Include the dates, EU ID(s), and results when an observed 18-minute average opacity was greater than the threshold in Condition 9.1.

- 11.2. In each operating report required by Condition 76, include:
- a summary of the results of any source test and visible emissions observations conducted under Condition 9; and
 - copies of any visible emissions observation results greater than the threshold in Condition 9.1, if they were not already submitted.
- 11.3. Report in accordance with Condition 75
- any time the results of a source test exceed the PM emission standard in Condition 5.

[18 AAC 50.040(j)(4), 50.326(j)(3), & 50.346(c)]
[40 C.F.R. 71.6(a)(3)(iii)]

Sulfur Compound Emissions Standard

- 12. Sulfur Compound Emissions.** The Permittee shall not cause or allow sulfur compound emissions, expressed as SO₂, from EU IDs 1, 2, 3a, 4a, and 5 through 10 listed in Table 1 to exceed 500 ppm averaged over three hours.

[18 AAC 50.040(j)(4), 50.055(c), 50.326(j)(3), & 50.346(c)]
[40 C.F.R. 71.6(a)(1)]

Sulfur Compound MR&R

Fuel Oil⁴ (EU IDs 1, 2, 3a, 4a, and 5 through 10)

- 13.** For EU IDs 1, 2, 3a, 4a, and 5 through 10, to ensure compliance with Condition 12, the Permittee shall comply with the fuel sulfur content limit and associated MR&R requirements in Condition 16 and the MR&R requirements in Condition 17.

[18 AAC 50.040(j)(4) & 50.326(j)(4)]
[40 C.F.R. 71.6(a)(3) & (c)(6)]

Preconstruction Permit⁵ Requirements

ORLs to Protect Alaska Ambient Air Quality Standards (AAQS) for NO₂ and SO₂

- 14. Fuel Consumption Limits for EU IDs 1 through 6.** The Permittee shall not allow the facility to cause a violation of the ambient air quality standard and increments for NO₂ and SO₂ by limiting the amount of fuel burned in EU IDs 1 through 6 to no more than 1,440,700 gallons during any 12 consecutive-month period. Monitor, record, and report the combined fuel consumption of EU IDs 1 through 6 as follows:

[18 AAC 50.040(j)(4) & 50.326(j)]
[40 C.F.R. 71.6(a)(1)]
[Minor Permit AQ0241MSS03 Rev 1, Condition 8, 11/21/2024]

⁴ "Oil" means crude oil or petroleum or a liquid fuel derived from crude oil or petroleum, including distillate and residual oil, as defined in 40 C.F.R. 60.41b.

⁵ "Preconstruction Permit" refers to federal PSD permits, state-issued permits-to-operate issued on or before January 17, 1997 (these permits cover both construction and operations), construction permits issued on or after January 18, 1997, and minor permits issued on or after October 1, 2004.

- 14.1. Monitor monthly fuel consumption of each EU as specified in Condition 18.3.a and record the monthly combined fuel consumption of EU IDs 1 through 6;
- 14.2. Every calendar month, calculate and record the total combined fuel consumption for the preceding consecutive 12 months;
- 14.3. Report the combined fuel consumption recorded in Condition 14.2 in the operating report required under Condition 76, for each month covered by the report. Include the date of the most recent fuel meter calibration or replacement.
- 14.4. Report as a permit deviation as required by Condition 75 if the combined fuel consumption recorded in Condition 14.2 exceeds 1,440,700 gallons.

[40 C.F.R. 71.6(a)(3)]

[Minor Permit AQ0241MSS03 Rev 1, Conditions 8.1 through 8.4, 11/21/2024]

- 15. Fuel Consumption Limits for EU IDs 7 through 10.** The Permittee shall not allow the facility to cause a violation of the ambient air quality standard and increments for NO₂ and SO₂ by limiting the amount of fuel burned in EU IDs 7 through 10 to no more than 1,637,228 gallons during any 12 consecutive-month period. Monitor, record, and report the combined fuel consumption of EU IDs 7 through 10 as follows:

[18 AAC 50.040(j)(4) & 50.326(j)]

[40 C.F.R. 71.6(a)(1)]

[Minor Permit AQ0241MSS03 Rev 1, Condition 9, 11/21/2024]

- 15.1. Monitor monthly fuel consumption of each EU as specified in Condition 18.3.a and record the monthly combined fuel consumption of EU IDs 7 through 10;
- 15.2. Every calendar month, calculate and record the total combined fuel consumption for the preceding consecutive 12 months;
- 15.3. Report the combined fuel consumption recorded in Condition 15.2 in the operating report required under Condition 76, for each month covered by the report. Include the date of the most recent fuel meter calibration or replacement.
- 15.4. Report as a permit deviation as required by Condition 75 if the combined fuel consumption recorded in Condition 15.2 exceeds 1,637,228 gallons.

[40 C.F.R. 71.6(a)(3)]

[Minor Permit AQ0241MSS03 Rev 1, Conditions 9.1 through 9.4, 11/21/2024]

- 16. Fuel Sulfur Content Limit.** The Permittee shall limit the sulfur content of fuel combusted in EU IDs 1 through 10 to no more than 0.10 percent by weight. Monitor, record, and report as follows:

[18 AAC 50.040(j)(4) & 50.326(j)(4)]

[40 C.F.R. 71.6(a)(1)]

[Permit No. 9625-AA006, Exhibit B.I, item 2.b, 10/29/96]

- 16.1. For each shipment of fuel delivered to the stationary source, obtain and record the weight percent sulfur, as determined from:

- a. fuel sulfur content testing following an appropriate method listed in 18 AAC 50.035(b) through (c) or 40 C.F.R. 60.17 incorporated by reference in 18 AAC 50.040(a)(1);
 - b. certified test results from supplier or refinery; or
 - c. fuel grade receipts.
- 16.2. Report in the operating report required by Condition 76, a list of all fuel grades received at the stationary source and/or wt %S test results, recorded in accordance with Condition 16.1, during the reporting period.
- 16.3. Report as excess emissions and permit deviation as described in Condition 75, any time the limit in Condition 16 is exceeded.

[40 C.F.R. 71.6(a)(3) & (c)(6)]
[Permit No. 9625-AA006, Exhibit C.II, item 4 & D5, 10/29/96]

17. SO₂ Requirements for Used Oil. The Permittee may burn used oil blends in the boilers, EU IDs 7 through 10, as follows⁶:

[18 AAC 50.040(j)(4) & 50.326(j)(4)]
[40 C.F.R. 71.6(a)(1)]
[Permit No. 9625-AA006, Exhibit B.I, item 3, 10/29/96]

- 17.1. Analyze each batch of used oil to determine the sulfur content using an approved ASTM method such as ASTM D975-84, D3120-92, D4152-90, D2622-91, and ASTM 396-92. Maintain records showing the results of each analysis.
- 17.2. Blend the used oil with virgin oil at a ratio that will ensure compliance with the sulfur limit of Condition 16. However, the used oil blend shall be mixed at a ratio of no more than 1 part used oil with 6 parts virgin oil, unless the Permittee provides a Department approved demonstration that a greater ratio will comply with the limit in Condition 5.
- 17.3. Account for the consumption of the used oil blend as set out according to Conditions 14 through 16.
- 17.4. Include in the operating report required by Condition 76, for the period covered by the report:
- a. Results of each analysis as set out by Condition 17.1; and
 - b. For each batch of used oil blended, the amounts of virgin oil and used oil; the blend ratio; and the final sulfur content.
- 17.5. Report as excess emissions and permit deviation as described by Condition 75, any time the blend ratio or other requirements deviate from Conditions 17.1 through 17.4.

⁶ CAUTION! Although this condition should ensure compliance with the applicable emission standards of 18 AAC 50, this permit does NOT ensure compliance with other applicable state or federal laws concerning management, use, or disposal of used oil.

[40 C.F.R. 71.6(a)(3) & (c)(6)]

Owner Requested Limits (ORLs) to Avoid PSD Major Classification

18. NO_x PSD Avoidance Limit. The Permittee shall limit nitrogen oxides (NO_x) emissions from EU IDs 1 through 10 listed in Table 1, as follows:

- 18.1. For EU IDs 1 through 6, no more than 273 tons per 12 consecutive-month period;
and
- 18.2. For EU IDs 7 through 10, no more than 19.2 tons per 12 consecutive-month period.
- 18.3. Monitor, record, and report as follows:

[18 AAC 50.040(j)(4) & 50.326(j)]

[40 C.F.R. 71.6(a)(1) & (a)(3)]

[Minor Permit AQ0241MSS03 Rev, 1, Condition 10, 11/21/2024]

- a. Track fuel consumption for each of EU IDs 1 through 10 using either Condition 18.3.a(i) or 18.3.a(ii):

[Minor Permit AQ0241MSS03 Rev. 1, Condition 10.1, 11/21/2024]

- (i) Maintain and operate in good working order a continuous system for recording and monitoring fuel consumed in each unit. Calculate and record the total fuel consumed in each of EU IDs 1 through 10 each month.
- (ii) Record hours of operation of each of EU IDs 1 through 10 daily. Calculate and record fuel consumption in each of EU IDs 1 through 10, each month, using hours of operation and the maximum fuel consumption rates shown in Table 2.

[Minor Permit AQ0241MSS03 Rev. 1, Conditions 10.1a & 10.1b, 11/21/2024]

Table 2 – Maximum Fuel Consumption Rates

EU ID	Maximum Fuel Consumption Rate (gal/hr)
1-2	56.5 each
3a	61.8
4a	44.0
5	91.8
6	125.4
7	106.9
8	71.0
9	91.6
10	50.9

- b. The Permittee shall limit the Cumulative Equivalent Total fuel consumption for EU IDs 1 through 6 (CET_1) to no more than 1,440,700 gallons per 12 consecutive-month period.

[Minor Permit AQ0241MSS03 Rev. 1, Condition 10.2, 11/21/2024]

- (i) For EU IDs 1 through 6, every calendar month, calculate and record the following:
- (A) The CET_1 using Equation 1; and
- (B) The total NO_x emissions (E_1) for the previous 12 consecutive months using Equation 2.

[Minor Permit AQ0241MSS03 Rev. 1, Conditions 10.2a & 10.2b, 11/21/2024]

Equation 1 $CET_1 = (0.628)G_{1-2} + (0.649)G_{3a} + (0.615)G_{4a} + (1.457)G_5 + (1.451)G_6$

Equation 2 $E_1(tpy) = \left[\frac{(0.238)G_{1-2} + (0.246)G_{3a} + (0.233)G_{4a} + (0.552)G_5 + (0.550)G_6}{2000} \right]$

Where:

CET_1 = Cumulative Equivalent Total fuel consumption in gallons of EU IDs 1 through 6
 E_1 = total NO_x emissions in TPY of EU IDs 1 through 6
 G_{1-2} = gallons of fuel burned in EU IDs 1 and 2 in the preceding 12 months
 G_{3a} = gallons of fuel burned in EU ID 3a in the preceding 12 months
 G_{4a} = gallons of fuel burned in EU ID 4a in the preceding 12 months
 G_5 = gallons of fuel burned in EU ID 5 in the preceding 12 months
 G_6 = gallons of fuel burned in EU ID 6 in the preceding 12 months

- c. The Permittee shall limit the Cumulative Equivalent Total for EU IDs 7 through 10 (CET₂) to no more than 1,637,228 gallons per 12 consecutive-month period.

[Minor Permit AQ0241MSS03 Rev. 1, Condition 10.3, 11/21/2024]

- (i) For EU IDs 7 through 10, every calendar month, calculate and record the following:

(A) The CET₂ using Equation 3; and

(B) The total NO_x emissions (E₂) for the previous 12 consecutive months using Equation 4.

[Minor Permit AQ0241MSS03 Rev. 1, Conditions 10.3a & 10.3b, 11/21/2024]

Equation 3 $CET_2 = (1.279)G_7 + (0.597)G_8 + (1.705)G_9 + (1.151)G_{10}$

Equation 4 $E_2(tpy) = \left[\frac{(0.030)G_7 + (0.014)G_8 + (0.040)G_9 + (0.027)G_{10}}{2000} \right]$

Where:

CET₂ = Cumulative Equivalent Total fuel consumption in gallons of EU IDs 7 through 10

E₂ = total NO_x emissions in TPY of EU IDs 7 through 10

G₇ = gallons of fuel burned in EU ID 7 in the preceding 12 months

G₈ = gallons of fuel burned in EU ID 8 in the preceding 12 months

G₉ = gallons of fuel burned in EU ID 9 in the preceding 12 months

G₁₀ = gallons of fuel burned in EU ID 10 in the preceding 12 months

- d. Include the following with the operating report required under Condition 76, for each month covered by the report:

- (i) CET₁ and NO_x emissions for EU IDs 1 through 6, as determined in Condition 18.3.b(i); and

[Minor Permit AQ0241MSS03 Rev. 1, Condition 10.2c, 11/21/2024]

- (ii) CET₂ and NO_x emissions for EU IDs 7 through 10, as determined in Condition 18.3.c(i).

[Minor Permit AQ0241MSS03 Rev. 1, Condition 10.3c, 11/21/2024]

- e. Report as excess emissions and permit deviation as required by Condition 75 if:

- (i) for EU IDs 1 through 6, the CET₁ exceeds 1,440,700 gallons or the total NO_x emissions exceed 273 tons; and

[Minor Permit AQ0241MSS03 Rev. 1, Condition 10.2d, 11/21/2024]

- (ii) for EU IDs 7 through 10, the CET₂ exceeds 1,637,228 gallons or the total NO_x emissions exceed 19.2 tons.

[Minor Permit AQ0241MSS03 Rev. 1, Condition 10.3d, 11/21/2024]

19. Periodic Verification of NO_x PSD Avoidance. Once during the life of the permit, within six months after exceeding 80% of the NO_x limit in Condition 18, the Permittee shall conduct performance testing at four loads representative of normal operations to verify the worst case fuel-specific emissions factors in Table 3 and fuel consumption rates for EU IDs 1 through 6 in Table 2.

19.1. Monitor, record, and report as set out in Section 6.

19.2. Report in the operating report required under Condition 76, the results of any performance testing conducted.

19.3. For values obtained as a result of performance testing that exceed the values shown in Table 2 or exceed the emission factors shown in Table 3 used to establish the PSD avoidance limit of Condition 18, the Permittee shall request a Title I permit modification to incorporate the values obtained by performance testing.

Table 3 – EU IDs 1 – 6 NO_x Emission Factors

EU ID	Fuel-Specific Emission Factor (lb/NO _x /gallon) ^{1,2}
1-2	0.238 each
3a	0.246
4a	0.233
5	0.552
6	0.550

Notes:

1. NO_x emission factors for EU IDs 1, 2, 4a, 5, and 6 are based on the results of the source tests conducted on February 17, 2012.
2. NO_x emission factor for EU ID 3a is based on the results of the source tests conducted on August 10, 2012.

19.4. The Permittee may test one of EU IDs 1 or 2 to represent both engines. The Permittee must select an engine that has not previously been tested, or, if both engines have been previously tested, the engine for which the longest time has elapsed since testing.

[18 AAC 50.040(j)(4) & 50.326(j)(4)]
[40 C.F.R. 71.6(a)(3) & (c)(6)]

Insignificant Emissions Units

20. For emissions units at the stationary source that are insignificant as defined in 18 AAC 50.326(d) through (i) that are not listed in this permit, the following apply:

- 20.1. **Visible Emissions Standard.** The Permittee shall not cause or allow visible emissions, excluding condensed water vapor, emitted from an industrial process or fuel-burning equipment, or an incinerator to reduce visibility through the exhaust effluent by more than 20 percent averaged over any six consecutive minutes.

[18 AAC 50.050(a) & 50.055(a)(1)]

- 20.2. **Particulate Matter Standard.** The Permittee shall not cause or allow particulate matter emitted from an industrial process or fuel-burning equipment to exceed 0.05 grains per cubic foot of exhaust gas corrected to standard conditions and averaged over three hours.

[18 AAC 50.055(b)(1)]

- 20.3. **Sulfur Compound Standard.** The Permittee shall not cause or allow sulfur compound emissions, expressed as SO₂, from an industrial process or fuel-burning equipment, to exceed 500 ppm averaged over three hours.

[18 AAC 50.055(c)]

- 20.4. **General MR&R for Insignificant Emissions Units.** The Permittee shall comply with the following:

- a. Submit the compliance certifications of Condition 77 based on reasonable inquiry;
- b. Comply with the requirements of Condition 58;
- c. Report in the operating report required by Condition 76 if an emissions unit has historically been classified as insignificant because of actual emissions less than the thresholds of 18 AAC 50.326(e) and current actual emissions have become greater than any of those thresholds; and
- d. No other monitoring, recordkeeping or reporting is required for insignificant emissions units to demonstrate compliance with the emissions standards under Conditions 20.1, 20.2, and 20.3.

[18 AAC 50.040(j)(4), 50.326(j)(3), & 50.346(b)(4)]
[40 C.F.R. 71.6(a)(1) & (a)(3)]

Section 4. Federal Requirements

40 C.F.R. Part 60 New Source Performance Standards (NSPS)

NSPS Subpart A – General Provisions

- 21. NSPS Subpart A Notification.** Unless inapplicable pursuant to 40 C.F.R. 60.7(h), for any affected facility⁷ or existing facility⁸ regulated under NSPS requirements in 40 C.F.R. 60, the Permittee shall furnish the Administrator⁹ written notification or, if acceptable to both the EPA and the Permittee, electronic notification, as follows:

[18 AAC 50.035 & 50.040(a)(1)]
[40 C.F.R. 60.7(a) & (h), & 60.15(d), Subpart A]

- 21.1. a notification of the date construction (or reconstruction as defined under 40 C.F.R. 60.15) of an affected facility is commenced postmarked no later than 30 days after such date. This requirement shall not apply in the case of mass-produced facilities which are purchased in completed form;

[40 C.F.R. 60.7(a)(1), Subpart A]

- 21.2. a notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date;

[40 C.F.R. 60.7(a)(3), Subpart A]

- 21.3. a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 40 C.F.R. 60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include¹⁰

- a. information describing the precise nature of the change,
- b. present and proposed emission control systems,
- c. productive capacity of the facility before and after the change, and
- d. the expected completion date of the change;

[40 C.F.R. 60.7(a)(4), Subpart A]

- 21.4. a notification of any proposed replacement of components at an existing facility, for which the fixed capital cost of the new components exceeds 50 percent of the fixed capital cost that would be required to construct a comparable entirely new facility, postmarked 60 days (or as soon as practicable) before commencement of replacement, and including the following information:

[40 C.F.R. 60.15(d), Subpart A]

⁷ *Affected facility* means, with reference to a stationary source, any apparatus to which a standard applies, as defined in 40 C.F.R. 60.2.

⁸ *Existing facility* means, with reference to a stationary source, any apparatus of the type for which a standard is promulgated in 40 C.F.R. Part 60, and the construction or modification of which was commenced before the date of proposal of that standard; or any apparatus which could be altered in such a way as to be of that type, as defined in 40 C.F.R. 60.2.

⁹ The Department defines the “the Administrator” to mean “the EPA and the Department.”

¹⁰ The Department and EPA may request additional relevant information subsequent to this notice.

- a. the name and address of owner or operator,
- b. the location of the existing facility,
- c. a brief description of the existing facility and the components that are to be replaced,
- d. a description of the existing and proposed air pollution control equipment,
- e. an estimate of the fixed capital cost of the replacements, and of constructing a comparable entirely new facility,
- f. the estimated life of the existing facility after the replacements, and
- g. a discussion of any economic or technical limitations the facility may have in complying with the applicable standards of performance after the proposed replacements.

22. NSPS Subpart A Performance (Source) Tests. The Permittee shall conduct source tests according to 40 C.F.R. 60.8 and Section 6 on any affected facility at such times as may be required by the Administrator and shall provide the Department and EPA with a written report of the results of the source test.

23. NSPS Subpart A Concealment of Emissions. The Permittee shall not build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of a standard set forth in Condition 27. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard that is based on the concentration of a pollutant in the gases discharged to the atmosphere.

[18 AAC 50.040(a)(1)]
[40 C.F.R. 60.12, Subpart A]

NSPS Subpart III¹¹ – Compression Ignition Internal Combustion Engines (CI ICE), EU ID 4a

24. NSPS Subpart III Applicability and General Compliance Requirements. For EU ID 4a listed in Table 1, the Permittee shall comply with the applicable requirements for stationary CI ICE located in remote areas of Alaska¹² whose construction¹³ commences after July 11, 2005, where the stationary CI ICE is manufactured after April 1, 2006 and is not a fire pump engine.

- 24.1. The Permittee shall comply with the applicable provisions of 40 C.F.R. 60 Subpart A as specified in Table 8 to Subpart III, and applicable provisions of Subpart III as specified in Conditions 25 through 29.

¹¹ The provisions of NSPS Subpart III listed in Conditions 23 through 29 are current as amended through August 30, 2024. Should EPA promulgate revisions to this subpart, the Permittee shall be subject to the revised final provisions as promulgated and not the superseded provisions summarized in these conditions.

¹² *Remote areas of Alaska*, as defined in 40 C.F.R. 60.4219.

¹³ For the purposes of NSPS Subpart III, the date that construction commences is the date the engine is ordered by the owner or operator as defined in 40 C.F.R. 60.4200(a).

[18 AAC 50.040(a)(2)(OO) & (j)(4) & 50.326(j)]

[40 C.F.R. 71.6(a)(1)]

[40 C.F.R. 60.4200(a)(2), 60.4218 and Table 8, Subpart III]

- 25. NSPS Subpart III GACP.** Except as permitted under Condition 28.1, the Permittee shall operate and maintain EU ID 4a and control device according to the manufacturer's written instructions, may change only those emission-related settings that are permitted by the manufacturer, and shall meet the requirements of Condition 27 and the applicable requirements of 40 C.F.R. 1068. In addition, the Permittee shall operate and maintain EU ID 4a that achieves the emissions standards as required in Condition 27 over the entire life of the engine.

[40 C.F.R. 60.4206, 60.4209, and 60.4211(a), Subpart III]

- 26. NSPS Subpart III Fuel Requirements.** For EU ID 4a, the Permittee is exempt from the fuel requirements of 40 C.F.R. 60.4207, and may use fuels mixed with used lubricating oil, in volumes of up to 1.75 percent of the total fuel.

[18 AAC 50.040(a)(2)(OO) & (j); & 50.326(j)]

[40 C.F.R. 71.6(a)(1)]

[40 C.F.R. 60.4216(d) & (f), Subpart III]

- 26.1. The sulfur content of the used lubricating oil must be less than 200 ppm.
- 26.2. The used lubricating oil must meet the on-specification levels and properties for used oil in 40 C.F.R. 279.11.

- 27. NSPS Subpart III Emission Standards.** The Permittee shall comply with the following emission standards:

[18 AAC 50.040(a)(2)(OO) & (j)(4) & 50.326(j)]

[40 C.F.R. 71.6(a)(1)]

- 27.1. Exhaust emissions from EU ID 4a (stationary CI ICE with a displacement of less than 10 liters per cylinder located in remote areas of Alaska) shall not exceed the following applicable exhaust emission standards (Tier 2 emission factors) for new nonroad CI engines in 40 C.F.R. 1039 Appendix I for all pollutants, for the same displacement and maximum engine power, as follows:

- a. 6.4 g/kW-hr (or 4.8 g/Hp-hr) for NMHC + NO_x;
- b. 3.5 g/kW-hr (or 2.6 g/Hp-hr) for CO; and
- c. 0.20 g/kW-hr (or 0.15 g/Hp-hr) for PM.

[40 C.F.R. 60.4216(c), 60.4205(b) & 60.4202(a)(2), Subpart III]

[40 C.F.R. 1039 Appendix I, Table 2]

- 27.2. Unless EU ID 4a is exempt per 40 C.F.R. 1039.105(a), exhaust opacity from EU ID 4a must not exceed:

- a. 20 percent during the acceleration mode;
- b. 15 percent during the lugging mode; and
- c. 50 percent during the peaks in either the acceleration or lugging modes.

[40 C.F.R. 60.4216(c), 60.4205(b) & 60.4202(a)(2), Subpart III]
[40 C.F.R. 1039.105(b)]

28. NSPS Subpart III Monitoring and Recordkeeping. The Permittee shall comply with the following:

[18 AAC 50.040(a)(2)(OO) & (j)(4) & 50.326(j)]
[40 C.F.R. 71.6(a)(3)(i) & (ii) & (c)(6)]

28.1. If the Permittee does not install, configure, operate, and maintain EU ID 4a and control devices according to the manufacturer's emission-related written instructions as required in Condition 25, or changes emission-related settings in a way that is not permitted by the manufacturer, the Permittee shall demonstrate compliance as follows:

- a. Keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions.
- b. In addition, conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after you change emission-related settings in a way that is not permitted by the manufacturer.
- c. Conduct subsequent performance testing every 8,760 hours of engine operation or 3 years, whichever comes first thereafter, to demonstrate compliance with the applicable emission standards; and
- d. Conduct performance tests and meet the not-to-exceed (NTE) standards in accordance with the applicable requirements indicated in 40 C.F.R. 60.4212(a) and (c).

[40 C.F.R. 60.4209 and 60.4211(g)(3), Subpart III]
[40 C.F.R. 60.4204(d), 60.4205(e) and 60.4212(a) & (c), Subpart III]

28.2. For EU ID 4a, demonstrate compliance with the emission standards by purchasing an engine certified to the applicable emission standards in Condition 27. The engines must be installed and configured according to the manufacturer's specifications, except as permitted in Condition 28.1.

[40 C.F.R. 60.4209 and 60.4211(c), Subpart III]

28.3. If using fuels mixed with used lubricating oil as specified in Condition 26, comply with the following:

- a. Determine that the used oil to be burned for energy recovery meets the fuel specifications of 40 C.F.R. 279.11 and the sulfur content limit in Condition 26.1 by performing approved analyses or obtaining copies of analyses or other information documenting that the used oil fuel meets the specifications.
- b. Keep records of the following:

- (i) copies of analyses of the used oil (or other information used to make the compliance determination in Condition 28.3.a) for three years;
- (ii) the amount of the used lubricating oil to be blended;
- (iii) the amount of other distillate fuel oil to be mixed with the used lubricating oil; and
- (iv) the ratio of the lubricating oil to the total fuel blend.

[40 C.F.R. 71.6(c)(6)]
[40 C.F.R. 279.72(a) & (b)]

29. NSPS Subpart III Reporting. The Permittee shall report as follows:

- 29.1. If using fuels mixed with used lubricating oil, include with the operating report required under Condition 76 a copy of the records required in Condition 28.3.b for the period covered by the report.
- 29.2. Within 60 days after the date of completing each performance source test required by Condition 28.1, the Permittee must submit the results of the performance test required under this section following the procedures specified in 40 C.F.R. 60.4214(f)(1) and (2).

[40 C.F.R. 60.4214(f), Subpart III]

30. NSPS Subpart III Deadline for Importing or Installing Stationary CI ICE in Previous Model Years. The Permittee shall comply with the following:

[18 AAC 50.040(a)(2)(OO) & (j)(4) & 50.326(j)]
[40 C.F.R. 71.6(a)(1)]
[40 C.F.R. 60.4200(a)(4), 60.4208(a) through (i), & 60.4216(e), Subpart III]

- 30.1. The Permittee shall not install stationary CI ICE units in previous (2007 through 2017) model years after the dates and as specified in 40 C.F.R. 60.4208(a) through (g).

[40 C.F.R. 60.4208(a) through (g), Subpart III]

- 30.2. In addition to the requirements specified in 40 C.F.R. 60.4201, 60.4202, 60.4204, and 60.4205, the Permittee shall not import stationary CI ICE with a displacement of less than 30 liters per cylinder that do not meet the applicable requirements and after the dates specified in 40 C.F.R. 60.4208(a) through (g).

[40 C.F.R. 60.4208(h), Subpart III]

- 30.3. The requirements of Condition 30 do not apply to stationary CI ICE that have been modified, reconstructed, and do not apply to engines that were removed from one existing location and reinstalled at a new location.

[40 C.F.R. 60.4208(i), Subpart III]

40 C.F.R. Part 63 National Emission Standards for Hazardous Air Pollutants (NESHAP)

NESHAP Subpart A – General Provisions

31. NESHAP Subpart A Applicability. The Permittee shall comply with the applicable requirements of 40 C.F.R. 63 Subpart A in accordance with the provisions for applicability of Subpart A in

31.1. Table 8 to NESHAP Subpart ZZZZ for EU IDs 1, 2, 3a, 5, and 6 listed in Table 1; and

31.2. Table 8 to Subpart JJJJJ for EU IDs 7 through 10 listed in Table 1.

[18 AAC 50.040(c)(1), (23) & (39), 50.040(j)(4) and 50.326(j)]

[40 C.F.R. 71.6(a)(1) & (a)(3)]

[40 C.F.R. 63.1 through 63.15, Subpart A]

[40 C.F.R. 63.6665 & Table 8, Subpart ZZZZ]

[40 C.F.R. 63.11235 & Table 8, Subpart JJJJJ]

NESHAP Subpart ZZZZ¹⁴ – Stationary RICE, EU IDs 1 through 6

32. NESHAP Subpart ZZZZ Applicability. The Permittee shall comply with applicable requirements for existing¹⁵ (EU IDs 1, 2, 3a, 5, and 6) and new¹⁶ (EU ID 4a) stationary reciprocating internal combustion engines (RICE) located at an area source of hazardous air pollutant (HAP) emissions.

32.1. For EU IDs 1, 2, 3a, 5, and 6, existing stationary RICE units, the Permittee shall at all times comply with Conditions 33 through 36.

32.2. For EU ID 4a, new stationary RICE unit, the Permittee shall meet the requirements of 40 C.F.R. 63 Subpart ZZZZ by meeting the requirements of 40 C.F.R. 60 Subpart IIII in Conditions 24 through 30. No further requirements apply for such engines under 40 C.F.R. 63.

[18 AAC 50.040(c)(23) & (j)(4) and 50.326(j)]

40 C.F.R. 71.6(a)(1)

[40 C.F.R. 63.6585(c), 63.6590(a)(1)(iii), (a)(2)(iii) & (c)(1), and 63.6605(a), Subpart ZZZZ]

33. NESHAP Subpart ZZZZ GAPCP, Operation and Maintenance Requirements. The Permittee shall comply with the following:

[18 AAC 50.040(c)(23) & (j)(4) & 50.326(j)]

[40 C.F.R. 71.6(a)(1) & (3)(i)]

¹⁴ The provisions of NESHAP Subpart ZZZZ listed in Conditions 31 through 35 are current as amended through August 30, 2024. Should EPA promulgate revisions to this subpart, the Permittee shall be subject to the revised final provisions as promulgated and not the superseded provisions summarized in these conditions.

¹⁵ In accordance with 40 C.F.R. 63.6590(a)(1)(iii), a stationary RICE located at an area source of HAP emissions is *existing* if you commenced construction or reconstruction of the stationary RICE before June 12, 2006.

¹⁶ In accordance with 40 C.F.R. 63.6590(a)(2)(iii), a stationary RICE located at an area source of HAP emissions is *new* if you commenced construction of the stationary RICE on or after June 12, 2006.

- 33.1. At all times, operate and maintain EU IDs 1, 2, 3a, 5, and 6, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of EU IDs 1, 2, 3a, 5, and 6.

[40 C.F.R. 63.6605(b), Subpart ZZZZ]

- 33.2. The Permittee shall operate and maintain the stationary RICE and after-treatment control device (if any) according to either:

- a. the manufacturer's emission-related written instructions for operation and maintenance; or
- b. a maintenance plan developed by the Permittee which must provide, to the extent practicable, for the maintenance and operation of the engine(s) in a manner consistent with good air pollution control practice for minimizing emissions.

[40 C.F.R. 63.6625(e)(4), 63.6640(a), & Table 6 (item 9), Subpart ZZZZ]

- 33.3. Minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

[40 C.F.R. 63.6625(h) and Table 2d item 1, Subpart ZZZZ]

- 34. NESHAP Subpart ZZZZ Work and Management Practices Standards and Monitoring.** For EU IDs 1, 2, 3a, 5, and 6, the Permittee shall comply with the following work and management practices and monitoring requirements:

[18 AAC 50.040(c)(23) & (j)(4) and 50.326(j)]

[40 C.F.R. 71.6(a)(1) & (3)(i)]

[40 C.F.R. 63.6603(a) & (b)(1), 63.6640(a), and 63.6625(i), Subpart ZZZZ]

[Table 2d and Table 6, Subpart ZZZZ]

- 34.1. For EU IDs 1, 2, 3a, 5, and 6:

- a. Except during periods of startup, the Permittee shall meet the following requirements:
 - (i) Change oil and filter every 1,000 hours of operation or within 1 year + 30 days of the previous change, whichever comes first, except as allowed by Condition 34.4;
 - (ii) Inspect air cleaner every 1,000 hours of operation or within 1 year + 30 days of the previous inspection, whichever comes first, and replace as necessary; and

- (iii) Inspect all hoses and belts every 500 hours of operation or within 1 year + 30 days of the previous inspection, whichever comes first, and replace as necessary.

[Table 2d (item 1 & Footnote 1), Subpart ZZZZ]

34.2. During periods of startup, the Permittee shall comply with Condition 33.3.

[Table 2d item 1, Subpart ZZZZ]

34.3. Demonstrate continuous compliance with the requirements in Condition 34.1 by complying with Condition 33.2.

[40 C.F.R. 63.6640(a) & Table 6 (item 9), Subpart ZZZZ]

34.4. The Permittee has the option to utilize an oil analysis program in order to extend the specified oil change requirements in Condition 34.1.a(i), as described below:

- a. The oil analysis must be performed at the same frequency specified for changing the oil and filter in Conditions 34.1.a(i).
- b. The analysis program must, at a minimum, analyze the following three parameters: Total Base Number (for CI engines), viscosity, and percent water content. The condemning limits for these parameters are as follows:
 - (i) Total Base Number is less than 30 percent of the Total Base Number of the oil when new;
 - (ii) viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or
 - (iii) percent water content (by volume) is greater than 0.5.
- c. If all of the condemning limits in Conditions 34.4.b(i) through 34.4.b(iii) are not exceeded, the Permittee is not required to change the oil and filter.
- d. If any of the limits in Conditions 34.4.b(i) through 34.4.b(iii) is exceeded, the Permittee must change the oil and filter within 2 business days of receiving the results of the analysis.
 - (i) If the engine is not in operation when the results of the analysis are received, the Permittee must change the oil and filter within 2 business days or before commencing operation, whichever is later.
- e. The analysis program must be part of the maintenance plan for the engine.

[40 C.F.R. 63.6625(i) and Table 2d (Footnote 1), Subpart ZZZZ]

35. NESHAP Subpart ZZZZ Recordkeeping Requirements. The Permittee shall keep records, as follows:

[18 AAC 50.040(c)(23) & (j)(4) and 50.326(j)]
[40 C.F.R. 71.6(a) (3)(ii)]

- 35.1. Keep records of the maintenance conducted on EU IDs 1, 2, 3a, 5, and 6 in order to demonstrate that the stationary RICE and after-treatment control device (if any) are operated and maintained according to your own maintenance plan.

[40 C.F.R. 63.6655(e)(3), Subpart ZZZZ]

- 35.2. If electing to utilize the oil analysis program described in Condition 34.4, keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil and filter changes for the engine.

[40 C.F.R. 63.6625(i), Subpart ZZZZ]

- 35.3. Keep records in a form suitable and readily available for expeditious review. Keep each record in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 C.F.R. 63.10(b)(1), except that all records may be retained off site.

[40 C.F.R. 63.6660 & Table 8, Subpart ZZZZ]

[40 C.F.R. 63.10(b)(1), Subpart A]

- 36. NESHAP Subpart ZZZZ Reporting Requirements.** The Permittee shall report, as follows:

[18 AAC 50.040(c)(23) & (j)(4) and 50.326(j)]

[40 C.F.R. 71.6(a)(3)(iii) & (c)(6)]

- 36.1. Include in the operating report required by Condition 76 a report of all deviations as defined in 40 C.F.R. 63.6675 and of each instance in which an applicable requirement in 40 C.F.R. 63, Subpart A (Table 8 to Subpart ZZZZ) was not met.

[40 C.F.R. 63.6640(e) and 63.6650(f), Subpart ZZZZ]

NESHAP Subpart JJJJJJ¹⁷ - Industrial, Commercial, and Institutional (ICI) Boilers, EU IDs 7 through 10

- 37. NESHAP Subpart JJJJJJ Applicability.** For EU IDs 7 through 10 listed in Table 1, the Permittee shall comply with applicable requirements of NESHAP Subpart JJJJJJ for existing¹⁸ oil industrial boilers located at an area source of HAP emissions.

[18 AAC 50.040(c)(39) & (j) and 50.326(j)]

[40 C.F.R. 71.6(a)(1)]

[40 C.F.R. 63.11193, 63.11194(a)(1) & (b), 63.11200(c) & 63.11237, Subpart JJJJJJ]

¹⁷ The provisions of NESHAP Subpart JJJJJJ listed in Conditions 31.2 and 37 through 41 are current as amended through September 14, 2016. Should EPA promulgate revisions to this subpart, the Permittee shall be subject to the revised final provisions as promulgated and not the superseded provisions summarized in these conditions.

¹⁸ In accordance with 40 C.F.R. 63.11194(b), an affected source is an existing source if construction or reconstruction of the affected source commenced on or before June 4, 2010.

- 38. NESHAP Subpart JJJJJ Good Air Pollution Control Practices.** At all times, the Permittee shall operate and maintain EU IDs 7 through 10, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

[18 AAC 50.040(c)(39) & (j) & 50.326(j)]
[40 C.F.R. 71.6(a)(1)]
[40 C.F.R. 63.11205(a), Subpart JJJJJ]

- 39. NESHAP Subpart JJJJJ Work and Management Practices.** For each of EU IDs 7 through 10, the Permittee shall comply with the following work and management practices at all times and demonstrate continuous compliance, as follows:

[18 AAC 50.040(c)(39) & (j) & 50.326(j)]
[40 C.F.R. 71.6(a)(1)]
[40 C.F.R. 63.11201(b) & (d), 63.11223(a) & (b), and Table 2; Subpart JJJJJ]

- 39.1. For EU IDs 7 through 10, conduct a tune-up of each boiler biennially in accordance with Condition 39.2. Each biennial tune-up must be conducted no more than 25 months after the previous tune-up.

[Table 2 (item 4), Subpart JJJJJ]
[40 C.F.R. 63.11223(a) & (b), Subpart JJJJJ]

- 39.2. Perform tune-ups while burning the type of fuel that provided the majority of the heat input to the boiler over the 12 months prior to the tune-up, as follows:

[40 C.F.R. 63.11223(b)(1) through (5) & (7), Subpart JJJJJ]

- a. As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the Permittee may delay the burner inspection until the next scheduled shut down, not to exceed 36 months for EU IDs 7 through 10 from the previous inspection).
- b. Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available.
- c. Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (the Permittee may delay the inspection until the next scheduled unit shutdown, not to exceed 36 months for EU IDs 7 through 10 from the previous inspection).
- d. Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any nitrogen oxide requirement to which the unit is subject.

- e. Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer.
- f. If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 days of startup.

40. NESHAP Subpart JJJJJJ Recordkeeping Requirements. For each of EU IDs 7 through 10, the Permittee shall keep records as follows:

[18 AAC 50.040(c)(39) & (j) and 50.326(j)]

[40 C.F.R. 71.6(c)(3)(iii)]

[40 C.F.R. 63.11223(a) & (b)(6) and 63.11225(c), Subpart JJJJJJ]

- 40.1. As required in 40 C.F.R. 63.10(b)(2)(xiv), keep a copy of each notification and report submitted to comply with this subpart and all documentation supporting any Initial Notification or Notification of Compliance Status submitted.

[40 C.F.R. 63.11225(c)(1), Subpart JJJJJJ]

- 40.2. Keep records to document conformance with the work practice standards and management practices as specified in Conditions 40.2.a.

[40 C.F.R. 63.11225(c)(2), Subpart JJJJJJ]

- a. Records must identify each boiler, the date of tune-up, the procedures followed for tune-up, and the manufacturer's specifications to which the boiler was tuned.

[40 C.F.R. 63.11225(c)(2)(i), Subpart JJJJJJ]

- 40.3. Keep records of the occurrence and duration of each malfunction of the boiler, or of the associated air pollution control and monitoring equipment.

[40 C.F.R. 63.11225(c)(4), Subpart JJJJJJ]

- 40.4. Keep records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in Condition 38, including corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation.

[40 C.F.R. 63.11225(c)(5), Subpart JJJJJJ]

- 40.5. Maintain on-site a record containing the information in Conditions 40.5.a through 40.5.c.

[40 C.F.R. 63.11223(b)(6), Subpart JJJJJJ]

- a. The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler;
- b. A description of any corrective actions taken as part of the tune-up of the boiler; and

- c. The type and amount of fuel used over the 12 months prior to the tune-up of the boiler, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel use by each unit.

[40 C.F.R. 63.11223(b)(6)(i) through (iii), Subpart JJJJJJ]

- 40.6. The Permittee shall keep records in a form suitable and readily available for expeditious review for 5 years following the date of each recorded action, and keep each record onsite or accessible from a central location by computer or other means that instantly provide access at the site for at least 2 years after the date of each recorded action. The Permittee may keep the records off site for the remaining 3 years.

[40 C.F.R. 63.11225(d), Subpart JJJJJJ]

- 41. NESHAP Subpart JJJJJJ Reporting Requirements.** For each of EU IDs 7 through 10, the Permittee shall report, as follows:

[18 AAC 50.040(c)(39) & (j) and 50.326(j)]
[40 C.F.R. 71.6(c)(3)(iii)]

- 41.1. Prepare, by March 1, and submit to the EPA and the Department upon request, a biennial Compliance Certification report for the previous calendar year containing the information specified in Conditions 41.1.a and 41.1.b.
 - a. Company name and address.
 - b. Statement by the responsible official, with the official's name, title, phone number, email address, and signature, certifying the truth, accuracy and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of NESHAP Subpart JJJJJJ. The notification must include the following certifications of compliance, and signed by a responsible official: *"This facility complies with the requirements in 40 C.F.R. 63.11223 to conduct a biennial tune-up for each of EU IDs 7 through 10."*

[40 C.F.R. 63.11225(b)(1) through (2)(i), Subpart JJJJJJ]

- 41.2. If requested by the Administrator, submit a performance tune up report containing the information in Conditions 40.5.a through 40.5.c.

[40 C.F.R. 63.11223(b)(6), Subpart JJJJJJ]

40 C.F.R. Part 61 National Emission Standards for Hazardous Air Pollutants (NESHAP) Subpart A – General Provisions & Subpart M – Asbestos

- 42.** The Permittee shall comply with the applicable requirements set forth in 40 C.F.R. 61.145, 61.150, and 61.152 of Subpart M, and the applicable sections set forth in 40 C.F.R. 61, Subpart A and Appendix A.

[18 AAC 50.040(b)(1) & (2)(F), & 50.326(j)]
[40 C.F.R. 61, Subparts A & M, and Appendix A]

40 C.F.R. 68 Chemical Accident Prevention Provisions

43. The Permittee shall comply with the requirements of 40 C.F.R. 68.

[18 AAC 50.040(j) & 50.326(j)]
[40 C.F.R. 68; 40 C.F.R. 71.6(a)(3) & (c)(6)]

- 43.1. **Risk Management Plan (RMP) Requirements.** As part of the Annual Compliance Certification required by Condition 77, the Permittee shall certify compliance with all requirements of 40 C.F.R. 68 Subpart G including the registration and submission of the RMP.

[40 C.F.R. 68.215(a)(2), Subpart H]

40 C.F.R. Part 82 Protection of Stratospheric Ozone

44. **Subpart F – Recycling and Emissions Reduction.** The Permittee shall comply with the applicable standards for recycling and emission reduction of refrigerants set forth in 40 C.F.R. 82, Subpart F.

[18 AAC 50.040(d) & 50.326(j)]
[40 C.F.R. 82, Subpart F]

45. **Subpart G – Significant New Alternatives.** The Permittee shall comply with the applicable prohibitions set out in 40 C.F.R. 82.174 (Protection of Stratospheric Ozone Subpart G – Significant New Alternatives Policy Program).

[18 AAC 50.040(d) & 50.326(j)]
[40 C.F.R. 82.174(b) through (d), Subpart G]

46. **Subpart H – Halons Emissions Reduction.** The Permittee shall comply with the applicable prohibitions set out in 40 C.F.R. 82.270 (Protection of Stratospheric Ozone Subpart H – Halon Emission Reduction).

[18 AAC 50.040(d) & 50.326(j)]
[40 C.F.R. 82.270(b) through (f), Subpart H]

NESHAP Applicability Determination Requirements

47. The Permittee shall determine rule applicability and designation of affected sources under National Emission Standards for Hazardous Air Pollutants (NESHAP) for Source Categories (40 C.F.R. 63) in accordance with 40 C.F.R. 63.1(b).

- 47.1. Keep records of a determination that the stationary source is not subject to a relevant standard or other requirement established under 40 C.F.R. 63 as specified in 40 C.F.R. 63.10(b)(3).

- 47.2. If a source becomes affected by an applicable subpart of 40 C.F.R. 63, under the provisions of 40 C.F.R. 63.1(c)(5) or 63.5(b)(4), the Permittee shall notify the Administrator as required by the applicable subpart and in accordance with the applicable procedures of 40 C.F.R. 63.9(b) and shall comply with such standard by the compliance date established by the Administrator in the applicable subpart, in accordance with 40 C.F.R. 63.6(c).

[18 AAC 50.040(c)(1), 50.040(j), & 50.326(j)]
[40 C.F.R. 71.6(a)(3)(ii)]
[40 C.F.R. 63.1(b), 63.5(b)(4), 63.6(c)(1), 63.9(b), & 63.10(b)(3), Subpart A]

Section 5. General Conditions

Standard Terms and Conditions

- 48.** Each permit term and condition is independent of the permit as a whole and remains valid regardless of a challenge to any other part of the permit.

[18 AAC 50.326(j)(3) and 50.345(a) & (e)]

- 49.** The permit may be modified, reopened, revoked and reissued, or terminated for cause. A request by the Permittee for modification, revocation and re-issuance, or termination or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

[18 AAC 50.326(j)(3) and 50.345(a) & (f)]

- 50.** The permit does not convey any property rights of any sort, nor any exclusive privilege.

[18 AAC 50.326(j)(3) and 50.345(a) & (g)]

- 51. Administration Fees.** The Permittee shall pay to the Department all assessed permit administration fees. Administration fee rates are set out in 18 AAC 50.400 through 403.

[18 AAC 50.326(j)(1), 50.400, and 50.403]
[AS 37.10.052(b) and AS 46.14.240]

- 52. Assessable Emissions.** For each period from July 1 through the following June 30, the Permittee shall pay to the Department an annual emission fee based on the stationary source's assessable emissions, as determined by the Department under 18 AAC 50.410. The Department will assess fees per ton of each air pollutant that the stationary source emits or has the potential to emit. The quantity for which fees will be assessed is the lesser of the stationary source's:

52.1. potential to emit of 419.60 TPY; or

52.2. projected annual rate of emissions, in TPY, based upon actual annual emissions for the most recent calendar year, or another 12-month period approved in writing by the Department, when demonstrated by credible evidence of actual emissions, based upon the most representative information available from one or more of the following methods:

- a. an enforceable test method described in 18 AAC 50.220;
- b. material balance calculations;
- c. emission factors from EPA's publication AP-42, Vol. I, adopted by reference in 18 AAC 50.035; or
- d. other methods and calculations approved by the Department, including appropriate vendor-provided emissions factors when sufficient documentation is provided.

[18 AAC 50.040(j)(4), 50.035, 50.326(j)(1) & (3), 50.346(b)(1), 50.410, & 50.420]

- 53. Assessable Emission Estimates.** The Permittee shall comply as follows:

- 53.1. No later than March 31 of each year, the Permittee may submit an estimate of the stationary source's assessable emissions as determined in Condition 52.2. Submit actual emissions estimates in accordance with the submission instructions on the Department's Standard Permit Conditions web page at <http://dec.alaska.gov/air/air-permit/standard-conditions/standard-condition-i-submission-instructions/>.
- 53.2. The Permittee shall include with the assessable emissions report all of the assumptions and calculations used to estimate the assessable emissions in sufficient detail so the Department can verify the estimates.
- 53.3. If no estimate is submitted on or before March 31 of each year, emission fees for the next fiscal year will be based on the potential to emit in Condition 52.1.

[18 AAC 50.040(j)(4), 50.326(j)(1) & (3), 50.346(b)(1), 50.410, & 50.420]

54. Good Air Pollution Control Practice (GAPCP). The Permittee shall do the following for EU ID 12:

- 54.1. Perform regular maintenance considering the manufacturer's or the operator's maintenance procedures;
- 54.2. Keep records of any maintenance that would have a significant effect on emissions; the records may be kept in electronic format; and
- 54.3. Keep a copy of either the manufacturer's or the operator's maintenance procedures.

[18 AAC 50.326(j)(3) and 50.346(b)(5)]

55. Dilution. The Permittee shall not dilute emissions with air to comply with this permit. Monitoring shall consist of an annual certification that the Permittee does not dilute emissions to comply with this permit.

[18 AAC 50.045(a)]

56. Reasonable Precautions to Prevent Fugitive Dust. A person who causes or permits bulk materials to be handled, transported, or stored, or who engages in an industrial activity or construction project shall take reasonable precautions to prevent particulate matter from being emitted into the ambient air.

- 56.1. The Permittee shall keep records of
 - a. complaints received by the Permittee and complaints received by the Department and conveyed to the Permittee; and
 - b. any additional precautions that are taken
 - (i) to address complaints described in Condition 56.1.a or to address the results of Department inspections that found potential problems; and
 - (ii) to prevent future dust problems.

56.2. The Permittee shall report according to Condition 58.3.

[18 AAC 50.045(d), 50. 326(j)(3), and 50.346(c)]

- 57. Stack Injection.** The Permittee shall not release materials other than process emissions, products of combustion, or materials introduced to control pollutant emissions from a stack at a stationary source constructed or modified after November 1, 1982, except as authorized by a construction permit, Title V permit, or air quality control permit issued before October 1, 2004.

[18 AAC 50.055(g)]

- 58. Air Pollution Prohibited.** No person may permit any emission which is injurious to human health or welfare, animal or plant life, or property, or which would unreasonably interfere with the enjoyment of life or property.

[18 AAC 50.040(j)(4), 50.110, 50.326(j)(3), and 50.346(a)]
[40 C.F.R. 71.6(a)(3)]

- 58.1. Monitoring.** The Permittee shall monitor as follows:

- a. As soon as practicable after becoming aware of a complaint that is attributable to emissions from the stationary source, the Permittee shall investigate the complaint to identify emissions that the Permittee believes have caused or are causing a violation of Condition 58.
- b. The Permittee shall initiate and complete corrective action necessary to eliminate any violation identified by a complaint or investigation as soon as practicable if
 - (i) after an investigation because of a complaint or other reason, the Permittee believes that emissions from the stationary source have caused or are causing a violation of Condition 58; or
 - (ii) the Department notifies the Permittee that it has found a violation of Condition 58.

- 58.2. Recordkeeping.** The Permittee shall keep records of

- a. the date, time, and nature of all emissions complaints received;
- b. the name of the person or persons that complained, if known;
- c. a summary of any investigation, including reasons the Permittee does or does not believe the emissions have caused a violation of Condition 58; and
- d. any corrective actions taken or planned for complaints attributable to emissions from the stationary source.

- 58.3. Reporting.** The Permittee shall report as follows:

- a. With each stationary source operating report under Condition 76, the Permittee shall include a brief summary report which must include the following for the period covered by the report:
 - (i) the number of complaints received;

- (ii) the number of times the Permittee or the Department found corrective action necessary;
 - (iii) the number of times action was taken on a complaint within 24 hours; and
 - (iv) the status of corrective actions the Permittee or Department found necessary that were not taken within 24 hours.
- b. The Permittee shall notify the Department of a complaint that is attributable to emissions from the stationary source within 24 hours after receiving the complaint, unless the Permittee has initiated corrective action within 24 hours of receiving the complaint.
 - c. If emissions present a potential threat to human health or safety, the Permittee shall report any such emissions according to Condition 75.

59. Technology-Based Emission Standard. If an unavoidable emergency, malfunction (as defined in 18 AAC 50.235(d)), or non-routine repair (as defined in 18 AAC 50.990(64)), causes emissions in excess of a technology-based emission standard¹⁹ listed in Condition 27 or 44 (refrigerants), the Permittee shall

- 59.1. take all reasonable steps to minimize levels of emissions that exceed the standard; and
- 59.2. report in accordance with Condition 75.1.b; the report must include information on the steps taken to mitigate emissions and corrective measures taken or to be taken.

[18 AAC 50.235(a), 50.326(j)(4), & 50.040(j)(4)]
[40 C.F.R. 71.6(c)(6)]

Open Burning Requirements

60. Open Burning. If the Permittee conducts open burning at this stationary source, the Permittee shall comply with the requirements of 18 AAC 50.065. The Permittee shall comply as follows:

- 60.1. Keep written records to demonstrate that the Permittee complies with the requirements of 18 AAC 50.065. Upon request by the Department, submit copies of the records; and
- 60.2. Include this condition in the annual certification required under Condition 77.

[18 AAC 50.065, 50.040(j), and 50.326(j)]
[40 C.F.R. 71.6(a)(3)]

¹⁹ As defined in 18 AAC 50.990(106), the term “*technology-based emission standard*” means a best available control technology (BACT) standard; a lowest achievable emission rate (LAER) standard; a maximum achievable control technology (MACT) standard established under 40 C.F.R. 63, Subpart B, adopted by reference in 18 AAC 50.040(c); a standard adopted by reference in 18 AAC 50.040(a) or (c); and any other similar standard for which the stringency of the standard is based on determinations of what is technologically feasible, considering relevant factors.

Section 6. General Source Testing and Monitoring Requirements

- 61. Requested Source Tests.** In addition to any source testing explicitly required by the permit, the Permittee shall conduct source testing as requested by the Department to determine compliance with applicable permit requirements.

[18 AAC 50.220(a) and 50.345(a) & (k)]

- 62. Operating Conditions.** Unless otherwise specified by an applicable requirement or test method, the Permittee shall conduct source testing

[18 AAC 50.220(b)]

62.1. at a point or points that characterize the actual discharge into the ambient air; and

62.2. at the maximum rated burning or operating capacity of the emissions unit or another rate determined by the Department to characterize the actual discharge into the ambient air.

- 63. Reference Test Methods.** The Permittee shall use the following test methods when conducting source testing for compliance with this permit:

63.1. Source testing for compliance with requirements adopted by reference in 18 AAC 50.040(a) must be conducted in accordance with the methods and procedures specified in 40 C.F.R. 60.

[18 AAC 50.220(c)(1)(A) and 50.040(a)]
[40 C.F.R. 60]

63.2. Source testing for compliance with requirements adopted by reference in 18 AAC 50.040(c) must be conducted in accordance with the source test methods and procedures specified in 40 C.F.R. 63.

[18 AAC 50.040(c) and 50.220(c)(1)(C)]
[40 C.F.R. 63]

63.3. Source testing for the reduction in visibility through the exhaust effluent must be conducted in accordance with the procedures set out in Reference Method 9. The Permittee may use the form in Section 11 to record data.

[18 AAC 50.030 and 50.220(c)(1)(D)]

63.4. Source testing for emissions of total particulate matter, sulfur compounds, nitrogen compounds, carbon monoxide, lead, volatile organic compounds, fluorides, sulfuric acid mist, municipal waste combustor organics, metals, and acid gases must be conducted in accordance with the methods and procedures specified in 40 C.F.R. 60, Appendix A.

[18 AAC 50.040(a)(3) and 50.220(c)(1)(E)]
[40 C.F.R. 60, Appendix A]

63.5. Source testing for emissions of PM₁₀ and PM_{2.5} must be conducted in accordance with the procedures specified in 40 C.F.R. 51, Appendix M, Methods 201 or 201A and 202.

[18 AAC 50.035(b)(2) & 50.220(c)(1)(F)]
[40 C.F.R. 51, Appendix M]

- 63.6. Source testing for emissions of any pollutant may be determined using an alternative method approved by the Department in accordance with 40 C.F.R. 63 Appendix A, Method 301.

[18 AAC 50.040(c)(32) & 50.220(c)(2)]
[40 C.F.R. 63, Appendix A, Method 301]

- 64. Excess Air Requirements.** To determine compliance with this permit, standard exhaust gas volumes must include only the volume of gases formed from the theoretical combustion of the fuel, plus the excess air volume normal for the specific emissions unit type, corrected to standard conditions (dry gas at 68° F and an absolute pressure of 760 millimeters of mercury).

[18 AAC 50.220(c)(3) and 50.990(102)]

- 65. Test Exemption.** The Permittee is not required to comply with Conditions 67, 68 and 69 when the exhaust is observed for visible emissions by Method 9 Plan (Condition 2.3) or Smoke/No Smoke Plan (Condition 2.4).

[18 AAC 50.345(a)]

- 66. Test Deadline Extension.** The Permittee may request an extension to a source test deadline established by the Department. The Permittee may delay a source test beyond the original deadline only if the extension is approved in writing by the Department's appropriate division director or designee.

[18 AAC 50.345(a) & (l)]

- 67. Test Plans.** Except as provided in Condition 65, before conducting any source tests, the Permittee shall submit a plan to the Department. The plan must include the methods and procedures to be used for sampling, testing, and quality assurance and must specify how the emissions unit will operate during the test and how the Permittee will document that operation. The Permittee shall submit a complete plan within 60 days after receiving a request under Condition 61 and at least 30 days before the scheduled date of any test unless the Department agrees in writing to some other time period. Retesting may be done without resubmitting the plan.

[18 AAC 50.345(a) & (m)]

- 68. Test Notification.** Except as provided in Condition 65, at least 10 days before conducting a source test, the Permittee shall give the Department written notice of the date and the time the source test will begin.

[18 AAC 50.345(a) & (n)]

- 69. Test Reports.** Except as provided in Condition 65, within 60 days after completing a source test, the Permittee shall submit one certified copy of the results in the format set out in the *Source Test Report Outline*, adopted by reference in 18 AAC 50.030. The Permittee shall certify the results in the manner set out in Condition 72. If requested in writing by the Department, the Permittee must provide preliminary results in a shorter period of time specified by the Department.

[18 AAC 50.345(a) & (o)]

- 70. Particulate Matter Calculations.** In source testing for compliance with the particulate matter standards in Conditions 5 and 20.2, the three-hour average is determined using the average of three one-hour test runs.

[18 AAC 50.220(f)]

Section 7. General Recordkeeping and Reporting Requirements

Recordkeeping Requirements

- 71.** The Permittee shall keep all records required by this permit for at least five years after the date of collection, including:
- 71.1. Copies of all reports and certifications submitted pursuant to this section of the permit; and
 - 71.2. Records of all monitoring required by this permit, and information about the monitoring including
 - a. the date, place, and time of sampling or measurements;
 - b. the date(s) analyses were performed;
 - c. the company or entity that performed the analyses;
 - d. the analytical techniques or methods used;
 - e. the results of such analyses; and
 - f. the operating conditions as existing at the time of sampling or measurement.

[18 AAC 50.040(a)(1) & (j)(4) and 50.326(j)]
[40 C.F.R. 60.7(f), Subpart A, 40 C.F.R. 71.6(a)(3)(ii)(A) & (B)]

Reporting Requirements

- 72. Certification.** The Permittee shall certify any permit application, report, affirmation, or compliance certification submitted to the Department and required under the permit by including the signature of a responsible official for the permitted stationary source following the statement: *“Based on information and belief formed after reasonable inquiry, I certify that the statements and information in and attached to this document are true, accurate, and complete.”* Excess emission reports must be certified either upon submittal or with an operating report required for the same reporting period. All other reports and other documents must be certified upon submittal.

- 72.1. The Department may accept an electronic signature on an electronic application or other electronic record required by the Department if the person providing the electronic signature
- a. uses a security procedure, as defined in AS 09.80.190, that the Department has approved; and
 - b. accepts or agrees to be bound by an electronic record executed or adopted with that signature.

[18 AAC 50.205, 50.326(j)(3), 50.345(a) & (j), & 50.346(b)(10)]

- 73. Submittals.** Unless otherwise directed by the Department or this permit, the Permittee shall submit to the Department one certified copy of reports, compliance certifications, and/or other submittals required by this permit. The Permittee shall submit the documents electronically.

73.1. Submit the certified copy of reports, compliance certifications, and/or other submittals in accordance with the submission instructions on the Department's Standard Permit Conditions web page at <http://dec.alaska.gov/air/air-permit/standard-conditions/standard-condition-xvii-submission-instructions/>.

[18 AAC 50.326(j)(3) & 50.346(b)(10)]

- 74. Information Requests.** The Permittee shall furnish to the Department, within a reasonable time, any information the Department requests in writing to determine whether cause exists to modify, revoke and reissue, or terminate the permit or to determine compliance with the permit. Upon request, the Permittee shall furnish to the Department copies of records required to be kept by the permit. The Department may require the Permittee to furnish copies of those records directly to the Federal Administrator.

[18 AAC 50.345(a) & (i), 50.200, & 50.326(a) & (j)]
[40 C.F.R. 71.5(a)(2) & 71.6(a)(3)]

- 75. Excess Emissions and Permit Deviation Reports.** The Permittee shall report excess emissions and permit deviations as follows:

75.1. **Excess Emissions Reporting.** Except as provided in Condition 58, the Permittee shall report all emissions or operations that exceed emissions standards or limits of this permit as follows:

- a. In accordance with 18 AAC 50.240(c), as soon as possible, report
 - (i) excess emissions that present a potential threat to human health or safety; and
 - (ii) excess emissions that the Permittee believes to be unavoidable.
- b. In accordance with 18 AAC 50.235(a), within two working days after the event commenced or was discovered, report an unavoidable emergency, malfunction, or nonroutine repair that causes emissions in excess of a technology-based emission standard.
- c. If a continuous or recurring excess emissions is not corrected within 48 hours of discovery, report within 72 hours of discovery unless the Department provides written permission to report under Condition 75.1.d.
- d. Report all other excess emissions not described in Conditions 75.1.a, 75.1.b, and 75.1.c within 30 days after the end of the month during which the excess emissions occurred or as part of the next routine operating report in Condition 76 for excess emissions that occurred during the period covered by the report, whichever is sooner.

- e. If requested by the Department, the Permittee shall provide a more detailed written report to follow up on an excess emissions report.

[18 AAC 50.235(a)(2), 50.240(c), 50.326(j)(3), & 50.346(b)(2)]

75.2. Permit Deviations Reporting. For permit deviations that are not “excess emissions,” as defined under 18 AAC 50.990:

- a. Report according to the required deadline for failure to monitor, as specified in other applicable conditions of this permit (Conditions 4.3.b and 8.3.b).
- b. Report all other permit deviations within 30 days after the end of the month during which the deviation occurred or as part of the next routine operating report in Condition 76 for permit deviations that occurred during the period covered by the report, whichever is sooner.

[18 AAC 50.326(j)(3) & 50.346(b)(2)]

75.3. Reporting Instructions. When reporting either excess emissions or permit deviations, the Permittee shall report using the Department’s online form for all such submittals, beginning no later than September 7, 2023. The form can be found at the Division of Air Quality’s Air Online Services (AOS) system webpage <http://dec.alaska.gov/applications/air/airtoolsweb> using the Permittee Portal option. Alternatively, upon written Department approval, the Permittee may submit the form contained in Section 12 of this permit. The Permittee must provide all information called for by the form that is used. Submit the report in accordance with the submission instructions on the Department’s Standard Permit Conditions webpage found at <http://dec.alaska.gov/air/air-permit/standard-conditions/standard-conditions-iii-and-iv-submission-instructions/>.

[18 AAC 50.235(a)(2), 50.240(c), 50.326(j)(3), 50.346(b)(2) & (3), and 50.270(a), (b), & (c)]

76. Operating Reports. During the life of this permit²⁰, the Permittee shall submit to the Department an operating report in accordance with Conditions 72 and 73 by August 1 for the period January 1 to June 30 of the current year and by February 1 for the period July 1 to December 31 of the previous year.

- 76.1. The operating report must include all information required to be in operating reports by other conditions of this permit, for the period covered by the report.
- 76.2. When excess emissions or permit deviations that occurred during the reporting period are not included with the operating report under Condition 76.1, the Permittee shall identify
 - a. the date of the excess emissions or permit deviation;
 - b. the equipment involved;
 - c. the permit condition affected;

²⁰ *Life of this permit* is defined as the permit effective dates, including any periods of reporting obligations that extend beyond the permit effective dates. For example, if a permit expires prior to the end of a calendar year, there is still a reporting obligation to provide operating reports for the periods when the permit was in effect.

- d. a description of the excess emissions or permit deviation; and
 - e. any corrective action or preventive measures taken and the date(s) of such actions; or
- 76.3. when excess emissions or permit deviation reports have already been reported under Condition 75 during the period covered by the operating report, the Permittee shall either
 - a. include a copy of those excess emissions or permit deviation reports with the operating report; or
 - b. cite the date(s) of those reports.
- 76.4. The operating report must include, for the period covered by the report, a listing of emissions monitored under Conditions 2.3.e, 2.4.c, 6.2, and 9.1 which trigger additional testing or monitoring, whether or not the emissions monitored exceed an emission standard. The Permittee shall include in the report
 - a. the date of the emissions;
 - b. the equipment involved;
 - c. the permit condition affected; and
 - d. the monitoring result which triggered the additional monitoring.
- 76.5. **Transition from expired to renewed permit.** For the first period of this renewed operating permit, also provide the previous permit's operating report elements covering that partial period immediately preceding the effective date of this renewed permit.

[18 AAC 50.346(b)(6) & 50.326(j)]
[40 C.F.R. 71.6(a)(3)(iii)(A)]
- 77. **Annual Compliance Certification.** Each year by March 31, the Permittee shall compile and submit to the Department an annual compliance certification report according to Condition 73.
 - 77.1. Certify the compliance status of the stationary source over the preceding calendar year consistent with the monitoring required by this permit, as follows:
 - a. identify each term or condition set forth in Section 3 through Section 9, that is the basis of the certification;
 - b. briefly describe each method used to determine the compliance status;
 - c. state whether compliance is intermittent or continuous; and
 - d. identify each deviation and take it into account in the compliance certification.

77.2. **Transition from expired to renewed permit.** For the first period of this renewed operating permit, also provide the previous permit's annual compliance certification report elements covering that partial period immediately preceding the effective date of this renewed permit.

77.3. In addition, submit a copy of the report directly to the Clean Air Act Compliance Manager, US EPA Region 10, ATTN: Air Toxics and Enforcement Section, Mail Stop: 20-C04, 1200 Sixth Avenue, Suite 155, Seattle, WA 98101-3188, or electronically to the EPA's Central Data Exchange (CDX) and Compliance and Emissions Data Reporting Interface (CEDRI) online reporting system accessible via cdx.epa.gov.

[18 AAC 50.205, 50.345(a) & (j), & 50.326(j)]
[40 C.F.R. 71.6(c)(5)]

78. **Triennial Emission Inventory Reporting.** Every third year by April 30, the Permittee shall submit to the Department reports of actual emissions for the previous calendar year, by emissions unit, of CO, NH₃, NO_x, PM₁₀, PM_{2.5}, SO₂, VOC, and lead (Pb) and lead compounds, as follows:

78.1. The Permittee shall report the annual emissions and the required data elements under Condition 78.2 every third year for the previous calendar year as scheduled by the EPA.²¹

78.2. For each emissions unit and the stationary source, include in the report the required data elements²² contained within the form included in the Emission Inventory Instructions available at the Department's AOS system on the Point Source Emission Inventory webpage at <http://dec.alaska.gov/Applications/Air/airtoolsweb/PointSourceEmissionInventory>.

78.3. Submit the report in accordance with the submission instructions on the Department's Standard Permit Conditions webpage at <http://dec.alaska.gov/air/air-permit/standard-conditions/standard-conditions-xv-and-xvi-submission-instructions/>.

[18 AAC 50.040(j)(4), 50.200, 50.275, 50.326(j)(3), & 50.346(b)(8)]
[40 C.F.R. 51.15, 51.30(a)(1) & (b)(1), and Appendix A to 40 C.F.R. 51 Subpart A]

79. **Consistency of Reporting Methodologies.** The Permittee shall report actual emissions to the Department, either upon request or to meet individual permit requirements, in order for the state to meet federal reporting requirements under 40 C.F.R. Part 51, Subpart A.

²¹ The calendar years for which reports are required are based on the triennial reporting schedule in 40 C.F.R. 51.30(b)(1), which requires states to report emissions data to the EPA for inventory years 2011, 2014, 2017, 2020, and every 3rd year thereafter. Therefore, the Department requires Permittees to report emissions data for the same inventory years by April 30 of the following year (e.g., triennial emission inventory report for 2026 is due April 30, 2027, triennial emission inventory report for 2029 is due April 30, 2030, etc.).

²² The required data elements to be reported to the EPA are outlined in 40 C.F.R. 51.15 and Tables 2a and 2b to Appendix A of 40 C.F.R. 51 Subpart A.

- 79.1. For the purposes of reporting actual or assessable emissions required under Condition 78 and Condition 52.2, the Permittee shall use consistent pollutant-specific emission factors and calculation methods for all reporting requirements for the stationary source.

[18 AAC 50.040(j)(4), 50.200, 50.275, 50.326(j)(3), & 50.346(b)(8)]
[40 C.F.R. 51.15, 51.30(a)(1) & (b)(1), and Appendix A to 40 C.F.R. 51 Subpart A]

80. NSPS and NESHAP Reports and Waivers. The Permittee shall comply with the following:

- 80.1. **Reports:** Except for previously submitted reports and federal reports and notices submitted through EPA's CDX and CEDRI online reporting system, attach to the operating report required by Condition 76 for the period covered by the report, a copy of any NSPS and NESHAP reports submitted to the U.S. Environmental Protection Agency (EPA) Region 10. For reports previously submitted to ADEC or submitted through CDX/CEDRI, state in the operating report the date and a brief description of each of the online reports submitted during the reporting period.

- 80.2. **Waivers:** Upon request by the Department, provide a written copy of any EPA-granted alternative monitoring requirement, custom monitoring schedule or waiver of the federal emission standards, recordkeeping, monitoring, performance testing, or reporting requirements. The Permittee shall keep a copy of each U.S. EPA-issued monitoring waiver or custom monitoring schedule with the permit.

[18 AAC 50.040(j)(4) and 50.326(j)(4)]
[40 C.F.R. 60.13, 63.10(d) & (f) and 40 C.F.R. 71.6(c)(6)]

81. Federal Electronic Reporting Allowance: The Permittee may electronically submit in an acceptable digital format reports, notifications, or other required submission types in certain 40 C.F.R. 59, 60, 61, 62, and 63 Subparts that do not already have electronic reporting requirements (i.e., paper reports, notifications, or other submission types), via the CEDRI on the EPA's CDX, or to another EPA managed electronic document receiving system that may be designated for the receipt of specified submissions in the future.

- 81.1. Additionally, performance test reports that do not already have Cross-Media Electronic Reporting Rule (CROMERR) compliant electronic reporting requirements may utilize the Electronic Reporting Tool (ERT) (see <https://www.epa.gov/electronic-reporting-air-emissions/electronic-reporting-tool-ert>) to submit those reports to CEDRI in the form of an ERT submission package.

- 81.2. When a report, notification, or other submission type submitted under this new electronic submission option contains confidential business information (CBI), a file with the CBI omitted or redacted must be submitted to the CEDRI system and a separate, complete submission containing the claimed CBI information must be submitted through the described CBI submission process.

[18 AAC 50.040(j)(4) and 50.326(j)(4)]
[40 C.F.R. 71.6(c)(6)]
[40 C.F.R. 3.2(a)(2), Cross-Media Electronic Reporting; 89 Fed. Reg. 78300 (September 25, 2024)]

Section 8. Permit Changes and Renewal

82. Permit Applications and Submittals. The Permittee shall comply with the following requirements for submitting application information to the EPA:

- 82.1. The Permittee shall provide a copy of each application for modification or renewal of this permit, including any compliance plan, or application addenda, at the time the application or addendum is submitted to the Department;
- 82.2. The information shall be submitted, as follows: (1) to the EPA's CDX and CEDRI online reporting system accessible via cdx.epa.gov, or (2) as an email attachment to the EPA's air permits mailbox (R10_Air_Permits@epa.gov), or (3) as a hardcopy by mail (only if absolutely necessary) to the Part 70 Operating Permit Program, US EPA Region 10, Air Permits and Toxics Branch, Mail Stop: 15-H13, 1200 Sixth Avenue, Suite 155, Seattle, WA 98101-3188, listed in order of EPA's preference;
- 82.3. To the extent practicable, the Permittee shall provide to EPA applications in portable document format (pdf), MS Word format (.doc), or other computer-readable format compatible with EPA's national database management system; and
- 82.4. The Permittee shall maintain records as necessary to demonstrate compliance with this condition.

[18 AAC 50.040(j)(7), 50.326(a) & (j)(3), and 50.346(b)(7)]
[40 C.F.R. 71.10(d)(1)]

83. Emissions Trading. No permit revision shall be required under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in the permit.

[18 AAC 50.040(j)(4) and 50.326(j)(4)]
[40 C.F.R. 71.6(a)(8)]

84. Off Permit Changes. The Permittee may make changes that are not addressed or prohibited by this permit other than those subject to the requirements of 40 C.F.R. Parts 72 through 78 or those that are modifications under any provision of Title I of the Act to be made without a permit revision, provided that the following requirements are met:

- 84.1. Each such change shall meet all applicable requirements and shall not violate any existing permit term or condition;
- 84.2. Provide contemporaneous written notice to EPA and the Department of each such change, except for changes that qualify as insignificant under 18 AAC 50.326(d) through (i). Such written notice shall describe each such change, including the date, any change in emissions, pollutants emitted, and any applicable requirement that would apply as a result of the change;
- 84.3. The change shall not qualify for the shield under 40 C.F.R. 71.6(f); and

- 84.4. The Permittee shall keep a record describing changes made at the stationary source 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 changes.

[18 AAC 50.040(j)(4) and 50.326(j)(4)]
[40 C.F.R. 71.6(a)(12)]

- 85. Operational Flexibility.** The Permittee may make CAA Section 502(b)(10)²³ changes within the permitted stationary source without requiring a permit revision if the changes are not modifications under any provision of Title I of the Act and the changes do not exceed the emissions allowable under this permit (whether expressed therein as a rate of emissions or in terms of total emissions).

- 85.1. The Permittee shall provide EPA and the Department with a written notification no less than seven days in advance of the proposed change.
- 85.2. For each such change, the notification required by Condition 85.1 shall include a brief description of the change within the permitted stationary source, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.
- 85.3. The permit shield described in 40 C.F.R. 71.6(f) shall not apply to any change made pursuant to Condition 85.

[18 AAC 50.040(j)(4) and 50.326(j)(4)]
[40 C.F.R. 71.6(a)(13)]

- 86. Permit Renewal.** To renew this permit, the Permittee shall submit to the Department and to EPA an application under 18 AAC 50.326 no sooner than **<18 months before the expiration date of this permit>** and no later than **<6 months before the expiration date of this permit>**, according to the submittal instructions in Conditions 73 and 82. The renewal application shall be complete before the permit expiration date listed on the cover page of this permit. Permit expiration terminates the stationary source's right to operate unless a timely and complete renewal application has been submitted consistent with 40 C.F.R. 71.7(b) and 71.5(a)(1)(iii).

[18 AAC 50.040(j)(3) and 50.326(c) & (j)(2)]
[40 C.F.R. 71.5(a)(1)(iii) and 71.7(b) & (c)(1)(ii)]

²³ As defined in 40 C.F.R. 71.2, "CAA Section 502(b)(10) changes" are changes that contravene an express permit term. Such changes do not include changes that would violate applicable requirements or contravene federally enforceable permit terms and conditions that are monitoring (including test methods), recordkeeping, reporting, or compliance certification requirements.

Section 9. Compliance Requirements

General Compliance Requirements

- 87.** Compliance with permit terms and conditions is considered to be compliance with those requirements that are
- 87.1. included and specifically identified in the permit; or
 - 87.2. determined in writing in the permit to be inapplicable.
- [18 AAC 50.326(j)(3) and 50.345(a) & (b)]
- 88.** The Permittee must comply with each permit term and condition. Noncompliance with a permit term or condition constitutes a violation of AS 46.14, 18 AAC 50, and, except for those terms or conditions designated in the permit as not federally enforceable, the Clean Air Act, and is grounds for
- 88.1. an enforcement action;
 - 88.2. permit termination, revocation and reissuance, or modification in accordance with AS 46.14.280; or
 - 88.3. denial of an operating permit renewal application.
- [18 AAC 50.040(j), 50.326(j) & 50.345(a) & (c)]
- 89.** For applicable requirements with which the stationary source is in compliance, the Permittee shall continue to comply with such requirements.
- [18 AAC 50.040(j)(3) & (4) and 50.326(j)]
[40 C.F.R. 71.6(c)(3) and 71.5(c)(8)(iii)(A)]
- 90.** It is not a defense in an enforcement action to claim that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with a permit term or condition.
- [18 AAC 50.326(j)(3) and 50.345(a) & (d)]
- 91.** The Permittee shall allow the Department or an inspector authorized by the Department, upon presentation of credentials and at reasonable times with the consent of the owner or operator, to
- 91.1. enter upon the premises where a source subject to the permit is located or where records required by the permit are kept;
 - 91.2. have access to and copy any records required by the permit;
 - 91.3. inspect any stationary source, equipment, practices, or operations regulated by or referenced in the permit; and
 - 91.4. sample or monitor substances or parameters to assure compliance with the permit or other applicable requirements.
- [18 AAC 50.326(j)(3) and 50.345(a) & (h)]

Section 10. Permit As Shield from Inapplicable Requirements

In accordance with AS 46.14.290, and based on information supplied in the permit application, this section of the permit contains the requirements determined by the Department not to be applicable to the stationary source.

92. Nothing in this permit shall alter or affect the following:

- 92.1. The provisions of Section 303 of the Act (emergency orders), including the authority of the Administrator under that section; or
- 92.2. 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.

[18 AAC 50.040(j)(4) and 50.326(j)]
[40 C.F.R. 71.6(f)(3)(i) & (ii)]

93. Table 4 identifies the emissions units that are not subject to the specified requirements at the time of permit issuance. If any of the requirements listed in Table 4 becomes applicable during the permit term, the Permittee shall comply with such requirements on a timely basis including, but not limited to, providing appropriate notification to EPA, obtaining a construction permit and/or an operating permit revision.

[18 AAC 50.040(j)(4) and 50.326(j)]
[40 C.F.R. 71.6(f)(1)(ii)]

Table 4 - Permit Shields Granted

EU ID	Non-Applicable Requirements	Reason for Non-Applicability
7 through 10	40 C.F.R. 60 Subpart Dc – Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units	EU IDs 7, 9, and 10 commenced construction prior to June 9, 1989, and EU IDs 8 and 10 have maximum design heat input capacities less than 10 MMBtu/hr.
Storage Tanks 12 and 13 (not listed in Table 1 because there are no applicable requirements for these tanks)	40 C.F.R. 60 Subparts K and Ka – Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced after June 11, 1973 and Prior to July 23, 1984	Storage Tanks 12 and 13 have capacities less than 40,000 gallons.
	40 C.F.R. 60 Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels for which Construction, Reconstruction, or Modification Commences after July 23, 1984	Effective October 15, 2003, the Subpart does not apply to storage vessels with a capacity greater than 19,813 gallons but less than 39,890 gallons storing liquid with true vapor pressure less than 15.0 kPa.
Stationary source-wide	40 C.F.R. 82.158 and 40 C.F.R. 82.160 – Protection of Stratospheric Ozone – Recycling and Emissions Reduction – standards for recycling and recovery equipment and approved equipment testing organizations	The stationary source does not manufacture or import recycling and recovery equipment and is not a refrigeration equipment testing organization.

EU ID	Non-Applicable Requirements	Reason for Non-Applicability
1 through 3a, 5, and 6	40 C.F.R. 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	The applicant certifies that the model years of EU IDs 1 through 3a, 5, and 6 predate model year 2005 and have not been reconstructed or modified after July 11, 2005 (consistent with the definitions of reconstruction in 40 C.F.R. 60.15 and modification in 40 C.F.R. 60.2).
	40 C.F.R. 63 Subpart ZZZZ – Table 2d CO Emission Limitations	The facility is situated in a location that is not accessible by the Federal Aid Highway System (FAHS). EU IDs 1 through 3a, 5, and 6 are therefore exempt from the requirement to reduce CO emissions; rather the units are subject to work practice management standards, as accurately described in the current permit.

Section 11. Visible Emissions Forms

VISIBLE EMISSIONS OBSERVATION FORM

This form is designed to be used in conjunction with EPA Method 9, “Visual Determination of the Opacity of Emissions from Stationary Sources.” Temporal changes in emission color, plume water droplet content, background color, sky conditions, observer position, etc. should be noted in the comments section adjacent to each minute of readings. Any information not dealt with elsewhere on the form should be noted under Additional Information. Following are brief descriptions of the type of information that needs to be entered on the form. For a more detailed discussion of each part of the form, refer to “Instructions for Use of Visible Emission Observation Form” (a copy is available in <https://www3.epa.gov/ttnemc01/methods/webinar8.pdf>).

- Source Name: full company name, parent company or division or subsidiary information, if necessary.
- Address: street (not mailing or home office) address of facility where visible emissions observation is being made.
- Phone (Key Contact): number for appropriate contact.
- Stationary Source ID Number: number from NEDS, agency file, etc.
- Process Equipment, Operating Mode: brief description of process equipment (include type of facility) and operating rate, % capacity, and/or mode (e.g., charging, tapping, shutdown).
- Control Equipment, Operating Mode: specify type of control device(s) and % utilization, control efficiency.
- Describe Emission Point: for identification purposes, stack or emission point appearance, location, and geometry; and whether emissions are confined (have a specifically designed outlet) or unconfined (fugitive).
- Height Above Ground Level: stack or emission point height relative to ground level; can use engineering drawings, Abney level, or clinometer.
- Height Relative to Observer: indicate height of emission point relative to the observation point.
- Distance from Observer: distance to emission point; can use rangefinder or map.
- Direction from Observer: direction plume is traveling from observer.
- Describe Emissions and Color: include physical characteristics, plume behavior (e.g., looping, lacy, condensing, fumigating, secondary particle formation, distance plume visible, etc.), and color of emissions (gray, brown, white, red, black, etc.). Note color changes in comments section.
- Visible Water Vapor Present?: check “yes” if visible water vapor is present.
- If Present, note in the Comments column whether the Plume is “attached” if water droplet plume forms prior to exiting stack, and “detached” if water droplet plume forms after exiting stack.
- Point in Plume at Which Opacity was Determined: describe physical location in plume where readings were made (e.g., 1 ft above stack exit or 10 ft. after dissipation of water plume).
- Describe Plume Background: object plume is read against, include texture and atmospheric conditions (e.g., hazy).
- Background Color: sky blue, gray-white, new leaf green, etc.
- Sky Conditions: indicate color of clouds and cloud cover by percentage or by description (clear, scattered, broken, overcast).
- Wind Speed: record wind speed; can use Beaufort wind scale or hand-held anemometer to estimate.
- Wind Direction From: direction from which wind is blowing; can use compass to estimate to eight points.
- Ambient Temperature: in degrees Fahrenheit or Celsius.
- Wet Bulb Temperature: can be measured using a sling psychrometer
- RH Percent: relative humidity measured using a sling psychrometer; use local US Weather Bureau measurements only if nearby.
- Source Layout Sketch: include wind direction, sun position, associated stacks, roads, and other landmarks to fully identify location of emission point and observer position.
- Draw North Arrow: to determine, point line of sight in direction of emission point, place compass beside circle, and draw in arrow parallel to compass needle.
- Sun’s Location: point line of sight in direction of emission point, move pen upright along sun location line, mark location of sun when pen’s shadow crosses the observer’s position.
- Observation Date: date observations conducted.
- Start Time, End Time: beginning and end times of observation period (e.g., 1635 or 4:35 p.m.).
- Data Set: percent opacity to nearest 5%; enter from left to right starting in left column. Use a second (third, etc.) form, if readings continue beyond 30 minutes. Use dash (-) for readings not made; explain in adjacent comments section.
- Comments: note changing observation conditions, plume characteristics, and/or reasons for missed readings.
- Range of Opacity: note highest and lowest opacity number.
- Observer’s Name: print in full.
- Observer’s Signature, Date: sign and date after performing VE observation.
- Observer’s Affiliation: observer’s employer.
- Certifying Organization, Certified By, Date: name of “smoke school,” certifying observer, and date of most recent certification.

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION AIR PERMITS PROGRAM - VISIBLE EMISSIONS OBSERVATION FORM									
									Page No. _____
Stationary Source Name		Type of Emission Unit		Observation Date		Start Time		End Time	
Emission Unit Location				Sec	0	15	30	45	Comments
				Min					
City	State	Zip		1					
Phone # (Key Contact)		Stationary Source ID Number		2					
Process Equipment		Operating Mode		3					
Control Equipment		Operating Mode		4					
Describe Emission Point/Location				5					
Height above ground level				6					
Height relative to observer		Clinometer Reading		7					
Distance From Observer		Direction From Observer		8					
Start		End		9					
Describe Emissions & Color				10					
Start		End		11					
Visible Water Vapor Present? If yes, determine approximate distance from the stack exit to where the plume was read				12					
No	Yes			13					
Point in Plume at Which Opacity Was Determined				14					
Describe Plume Background		Background Color		15					
Start		Start		16					
End		End		17					
Sky Conditions:				18					
Start		End		19					
Wind Speed		Wind Direction From		20					
Start		Start		21					
End		End		22					
Ambient Temperature		Wet Bulb Temp		23					
		RH percent		24					
SOURCE LAYOUT SKETCH: 1 Stack or Point Being Read 2 Wind Direction From				25					
3 Observer Location 4 Sun Location 5 North Arrow 6 Other Stacks				26					
				27					
				28					
				29					
				30					
				31					
				32					
				33					
				34					
				35					
				36					
Additional Information:				37					
				Range of Opacity:					
				Minimum		Maximum			
I have received a copy of these opacity observations				Print Observer's Name					
Print Name:				Observer's Signature					
Signature:				Date					
				Observer's Affiliation:					
Title		Date		Certifying Organization:					
				Certified By:					
				Date					
Data Reduction:									
Duration of Observation Period (minutes):				Duration Required by Permit (minutes):					
Number of Observations:				Highest Six-Minute Average Opacity (%):					
Number of Observations exceeding 20%:				Highest 18-Consecutive -Minute Average Opacity %(engines and turbines only)					
In compliance with six-minute opacity limit? (Yes or No)									
Average Opacity Summary:									
Set Number	Time			Opacity			Comments		
	Start	End		Sum	Average				

Section 12. Notification Form²⁴

Unalaska Seafood Processing Facility

AQ0241TVP06

Stationary Source Name

Air Quality Permit Number.

Westward Seafoods, Inc.

Company Name

When did you discover the Excess Emissions/Permit Deviation?

Date: ____ / ____ / ____

Time: ____ : ____

When did the event/deviation occur?

Begin: Date: ____ / ____ / ____

Time: ____ : ____ (please use 24-hr clock)

End: Date: ____ / ____ / ____

Time: ____ : ____ (please use 24-hr clock)

What was the duration of the event/deviation? ____ : ____ (hrs:min) or ____ days

(total # of hrs, min, or days, if intermittent then include only the duration of the actual emissions/deviation)

Reason for Notification (Please check only 1 box and go to the corresponding section.):

☐ Excess Emissions - Complete Section 1 and Certify

Note: All "excess emissions" are also "permit deviations." However, use only Section 1 for events that involve excess emissions.

☐ Deviation from Permit Conditions - Complete Section 2 and Certify

Note: Use only Section 2 for permit deviations that do not involve excess emissions.

☐ Deviation from COBC²⁵, CO²⁶, or Settlement Agreement - Complete Section 2 and Certify

²⁴ Revised as of July 22, 2020.

²⁵ Compliance Order By Consent

²⁶ Compliance Order

Section 1. Excess Emissions

(a) **Was the exceedance** ☐ Intermittent or ☐ Continuous

(b) **Cause of Event** (Check one that applies. Complete a separate form for each event, as applicable.):

- | | |
|--|--|
| ☐ Start Up/Shut Down | ☐ Natural Cause (weather/earthquake/flood) |
| ☐ Control Equipment Failure | ☐ Scheduled Maintenance/Equipment Adjustments |
| ☐ Bad fuel/coal/gas | ☐ Upset Condition |
| ☐ Other _____ | |

(c) **Description**

Describe briefly what happened and the cause. Include the parameters/operating conditions exceeded, limits, monitoring data and exceedance. Attach supporting information if necessary.

(d) **Emissions Units (EU) Involved:**

Identify the emissions units involved in the event, using the same identification number and name as in the permit. Identify each emission standard potentially exceeded during the event and the exceedance.

EU ID	EU Name	Permit Condition /Limit Exceeded /Potential Exceedance

(e) **Type of Incident:** (Please check all that apply and provide the value requested, if any):

☐ Opacity _____%

☐ Venting _____(gas/scf)

☐ Control Equipment Down

☐ Fugitive Emissions

☐ Emission Limit Exceeded

☐ Marine Vessel Opacity

☐ Flaring

☐ Other: _____

(f) **Corrective Actions:**

Describe actions taken to restore the system to normal operation and to minimize or eliminate chances of a recurrence. Attach supporting information if necessary.

(g) **Unavoidable Emissions:**

Do you intend to assert that these excess emissions were unavoidable?

☐ YES

☐ NO

Do you intend to assert the affirmative defense of 18 AAC 50.235?

☐ YES

☐ NO

Certify Report (go to end of form)

(a) **Permit Deviation Type:** (Check all boxes that apply per event. Complete a separate form for each event, as applicable.)

- (b) Emissions Units (EU) Involved:**

[illegible]

Describe briefly what happened and the cause. Include the parameters/operating conditions and the potential deviation. Attach supporting information if necessary.

(d) Corrective Actions:

Describe actions taken to correct the deviation or potential deviation and to prevent future recurrence. Attach supporting information if necessary.

Certification:

Based on information and belief formed after reasonable inquiry, I certify that the statements and information in and attached to this document are true, accurate, and complete.

Printed Name: _____ Title _____ Date _____

Signature: _____ Phone number _____

NOTE: *This document must be certified in accordance with 18 AAC 50.345(j). Read and sign the certification in the bottom of the form above. (See Condition 72.)*

Excess Emissions and Permit Deviations must be submitted through the AOS Permittee Portal at <http://dec.alaska.gov/applications/air/airtoolsweb/>.

This Notification Form may only be used to satisfy the reporting requirements if the Department has approved alternative reporting options in writing prior to submittal.

[18 AAC 50.346(b)(3)]