DEPARTMENT OF ENVIRONMENTAL CONSERVATION
AIR QUALITY OPERATING PERMIT

Permit No. AQ0221TVP05 Issue Date: [EPA Proposed - April 02, 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, **Cordova Electric Cooperative**, for the operation of the **Orca Power Plant**.

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.

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.

All currently applicable stationary source-specific terms and conditions of Minor Permit No. AQ0221MSS06 have been incorporated into this operating permit.

Upon effective date of this permit, Operating Permit No. AQ0221TVP04, including Revision 2, expires.

This operating permit becomes effective <insert date—30 days after issue date>.

James R. Plosay, Manager
Air Permits Program

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Abbreviations and Acronyms[1]

AAAQS ..... Alaska Ambient Air Quality Standards
AAC ..... Alaska Administrative Code
ADEC ..... Alaska Department of Environmental Conservation
Administrator ..... EPA and the Department
AOS ..... Air Online Services
AS ..... Alaska Statutes
ASTM ..... American Society for Testing and Materials
BACT ..... best available control technology
bhp ..... brake horsepower
CDX ..... Central Data Exchange
CEC ..... Cordova Electric Cooperative
CEDRI ..... Compliance and Emissions Data Reporting Interface
C.F.R. ..... Code of Federal Regulations
CAA or The Act ..... Clean Air Act
CO ..... carbon monoxide
CO_2e ..... CO_2-equivalent
CROMERR ..... Cross-Media Electronic Reporting Rule
Department ..... Alaska Department of Environmental Conservation
dscf ..... dry standard cubic foot
EF ..... emission factor
EPA ..... US Environmental Protection Agency
ERT ..... Electronic Reporting Tool
EU ..... emissions unit
ID ..... emissions unit identification number
GAPCP ..... Good Air Pollution Control Practice
GHG ..... Greenhouse Gas
gr/dscf ..... grain per dry standard cubic foot (1 pound = 7000 grains)
HAPs ..... hazardous air pollutants [as defined in AS 46.14.990]
hp ..... horsepower
LAER ..... lowest achievable emission rate
MACT ..... maximum achievable control technology [as defined in 40 C.F.R. 63]
Mfg ..... Manufacturer given
MMBtu/hr ..... million British thermal units per hour
MMscf ..... million standard cubic feet
MR&R ..... monitoring, recordkeeping, and reporting
NAICS ..... North American Industrial Classification System
NESHAP ..... National Emission Standards for Hazardous Air Pollutants [as contained in 40 C.F.R. 61 and 63]
NH_3 ..... ammonia
NO_X ..... nitrogen oxides
NSPS ..... New Source Performance Standards [as contained in 40 C.F.R. 60]
NRE ..... nonroad engine
O_2 ..... oxygen
Pb ..... lead
PM ..... particulate matter
PM_{10} ..... particulate matter less than or equal to a nominal 10 microns in diameter
$PM_{2.5}$ ..... particulate matter less than or equal to a nominal 2.5 microns in diameter
ppm ..... parts per million
PSD ..... prevention of significant deterioration
PTE ..... potential to emit
RICE ..... reciprocating internal combustion engine
SIC. ..... Standard Industrial Classification
SIP ..... State Implementation Plan
SPC ..... Standard Permit Condition
SO_2 ..... sulfur dioxide
TPY ..... tons per year
VOC ..... volatile organic compound [as defined in 40 C.F.R. 51.100(s)]
$wt\%S_{fuel}$ ..... weight percent of sulfur in fuel

[1] Other abbreviations not in this permit can be found at https://dec.alaska.gov/air/air-permit/air-permit-acronyms.

Section 1. Stationary Source Information

Identification

Permittee:		**Cordova Electric Cooperative** PO Box 20 Cordova, AK 99574
Stationary Source Name:		**Orca Power Plant**
Location:		60º 33.3′ North; 145º 45.2′ West
Physical Address:		103 Orca Road Cordova, AK 99574
Owner/Operator:		**Cordova Electric Cooperative** PO Box 20 Cordova, AK 99574
Permittee's Responsible Official:		Clay Koplin, Chief Executive Officer PO Box 20 Cordova, AK 99574
Designated Agent:		Roger Kemppel, c/o Kemppel, Huffman, & Ellis, P.C. 225 E. Fireweed Lane, Suite 200 Anchorage, AK 99503
Stationary Source and Building Contact:		Russell Goss, Manager of Generation PO Box 20 Cordova, AK 99574 (907) 424-5044 rgoss@cordovaelectric.com
Fee Contact:		Emma Merritt, Manager of Administration and Finance 225 E. Fireweed Lane, Suite 200 Anchorage, AK 99503 (907) 424-5555 emerritt@cordovaelectric.com
Permit Contact:		Russell Goss, Manager of Generation PO Box 20 Cordova, AK 99574 (907) 424-5044 rgoss@cordovaelectric.com
Process Description:	SIC Code	4911 – Electrical Services
	NAICS Code:	221112 – Electric Power Generation

[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, unless noted elsewhere in the permit.

Table 1 – Emissions Unit Inventory[1]

EU ID	Emissions Unit Name	Emissions Unit Description	Rating/Size	Installation or Manufactured Date
1	Diesel Electric Generator #3	GM EMD 20-645 E4	2,500 ekW (3,600 bhp)	1985
2a[2]	Diesel Electric Generator #8	Caterpillar 3512C	1,360 ekW (2,008 bhp)	Installed in May 2025, Mfg. in 2010
3a[2]	Diesel Electric Generator #5a	Caterpillar 3508BDITA	1,000 ekW (1,480 bhp)	Installed in 2024, Mfg. in 2004
4a[2]	Diesel Electric Generator #6a	Caterpillar 3512BDITA	1,500 ekW (2,172 bhp)	Installed in 2023, Mfg. in 1999
10	Diesel Electric Generator #7	GM EMD 20-710 GC-T2	3,700 ekW (5,000 bhp)	Installed in 2009, Mfg. in 2008
11	Diesel Electric Generator #9	Caterpillar 3516C	2,000 ekW (2,941 bhp)	Installed in May 2025, Mfg. in 2010

Notes:

1. EU IDs 2, 3, and 4 were removed from service in February 2024, May 2024, and July 2023, respectively.
2. EU IDs 2, 3, and 4 are replaced by EU IDs 2a, 3a, and 4a, respectively.

[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, 2a, 3a, 4a, 10, and 11 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, 2a, 3a, 4a, 10, and 11, monitor, record, and report in accordance with Conditions 2 through 4.

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

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 replacement[2] during the permit term, the Permittee shall observe the exhaust of EU IDs 1, 2a, 3a, 4a, 10, and 11 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.[3]

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, 2a, 3a, 4a, 10, and 11 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, 2a, 3a, 4a, 10, and 11, observe exhaust within six months after the effective date of this permit.

[2] *"Replacement"* as defined in 40 C.F.R. 51.166(b)(32).
[3] 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.[4] Except as provided in Condition 2.3.e, after the First Method 9 observation:

(A) For EU IDs 1, 2a, 3a, 4a, 10, and 11, 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.

[4] *"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-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- 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 62 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 62 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 61:

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, 2a, 3a, 4a, 10, and 11 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, 2a, 3a, 4a, 10, and 11, monitor, record and report in accordance with Conditions 6 through 8.

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

PM MR&R

Liquid Fuel-Burning Engines

6. PM Monitoring. The Permittee shall conduct source tests on EU IDs 1, 2a, 3a, 4a, 10, and 11 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, 2a, 3a, 4a, 10, and 11 is greater than the criteria of Condition 6.2.a or 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 PM 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. Within 30 calendar days of the effective date of this permit (for EU ID 3a) or startup (for EU IDs 2a and 11), the Permittee shall record the exhaust stack diameters of EU IDs 2a, 3a, and 11.

7.2. 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) & (c)(6)]

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 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 62, 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 the stack diameters of EU IDs 2a, 3a, and 11 in the next operating report under Condition 62 following the deadline in Condition 7.1 for collecting the stack diameter records.

8.4. Report in accordance with Condition 61

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)]

Sulfur Compound Emissions Standard

9. Sulfur Compound Emissions. The Permittee shall not cause or allow sulfur compound emissions, expressed as SO_2, from EU IDs 1, 2a, 3a, 4a, 10, and 11 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 Oil[5]

10. For EU IDs 1, 2a, 3a, 4a, 10, and 11, to ensure compliance with Condition 9, the Permittee shall comply with the fuel sulfur content limit and associated MR&R requirements in Condition 11.

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

Preconstruction Permit [6] Requirements

Ambient Air Quality Protection Requirements

11. Protection of the 3-hr, 24-hr, and annual SO_2 AAAQS. The Permittee shall ensure that the fuel sulfur content of the liquid fuel consumed in EU IDs 1, 2a, 3a, 4a, 10, and 11 does not exceed 0.0015 percent sulfur by weight (wt%S_{fuel}). Monitor, record, and report as follows:

11.1. For each shipment of fuel delivered to the stationary source, obtain and record the wt%S_{fuel}, as determined from

a. ASTM approved testing methods such as D129-00, D1552-98, D2622-98, D4294-98, and D4045-99;

b. certified test results from supplier or refinery; or

c. fuel grade receipts.

11.2. Record the wt%S_{fuel} for all liquid fuel delivered to the source for the previous rolling 12-month period.

[5] *"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.

[6] *"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.

11.3. Include in each operating report required by Condition 62, a list of all fuel grades recorded under Condition 11.1 during the reporting period.

11.4. Report as excess emissions and/or permit deviation in accordance with Condition 61 if the fuel sulfur content of any fuel shipment recorded under Condition 11.1 exceeds the limit in Condition 11, or if any of the requirements in Conditions 11.1 through 11.3 are not met.

[Condition 8, Minor Permit No. AQ0221MSS06, 6/13/2025]
[18 AAC 50.040(j) & 50.326(j)]
[40 C.F.R. 71.6(a)(1), (a)(3) & (c)(6)]

12. Protection of the annual NO_2 AAAQS. The Permittee shall comply with Condition 14.

[Condition 9, Minor Permit No. AQ0221MSS06, 6/13/2025]
[18 AAC 50.040(j) & 50.326(j)]
[40 C.F.R. 71.6(a)]

Owner Requested Limits to Avoid Permit Classifications

13. Avoidance of Minor Permit Classification under 18 AAC 50.502(c)(3)(A). To avoid minor permit classification under 18 AAC 50.502(c)(3)(A), for EU ID 10, the Permittee shall comply with Condition 11.

[Condition 10, Minor Permit No. AQ0221MSS06, 6/13/2025]
[18 AAC 50.040(j) & 50.326(j)]
[40 C.F.R. 71.6(a)]

14. Avoidance of Classification as a Prevention of Significant Deterioration (PSD) Major Stationary Source. The Permittee shall limit the NO_X emissions from EU IDs 1, 2a, 3a, 4a, 10, and 11 to no more than 248 tons total in any rolling 12-month period. Monitor, record, and report as follows:

14.1. Install, operate, and maintain individual electric kilowatt-hour (ekW-hr) meters on each of EU IDs 1, 2a, 3a, 4a, 10, and 11.

14.2. Continuously monitor and record the ekW-hr produced by each of EU IDs 1, 2a, 3a, 4a, 10, and 11.

14.3. No later than the end of each calendar month, calculate and record from each of EU IDs 1, 2a, 3a, 4a, 10, and 11:

a. the total produced ekW-hr for the prior calendar month; and

b. the rolling 12-month total produced ekW-hr.

14.4. If any of the ekW-hr meters are found to be inoperable, calculate the ekW-hr produced using the following method until a new meter is installed and operated properly:

a. Monitor and record operating hours for the engine(s) experiencing an ekW-hr meter failure.

b. Calculate the total ekW-hr produced by assuming 100% load operation for those hours; and

c. For any hours of operation that have occurred after the ekW-hr meter became inoperable but for which operating hours and/or load rate were not recorded, assume maximum ekW-hr production.

14.5. No later than the end of each calendar month, calculate and record the rolling 12-month total NO_X emissions from each of EU IDs 1, 2a, 3a, 4a, 10, and 11 by using the emissions factors shown in Table 2 (or as superseded in Condition 15) and multiplying the previous calendar month's rolling 12-month ekW-hr total calculated under Condition 14.3.b for each engine:

Table 2 – NO_X Emission Factors for EU IDs 1, 2a, 3a, 4a, 10, and 11

EU ID	NO_X EF (lb/ekW-hr)
1	0.0386
2a	0.0224
3a	0.0334
4a	0.0373
10	0.0209
11	0.0020

14.6. No later than the end of each calendar month, calculate and record the combined rolling 12-month total NO_X emissions for EU IDs 1, 2a, 3a, 4a, 10, and 11 by summing the emissions for each engine calculated in Condition 14.5. Convert the results to tons per rolling 12-month period (tons/yr).

14.7. Include each operating report required by Condition 62, the monthly and rolling 12-month total NO_X emissions from each of EU IDs 1, 2a, 3a, 4a, 10, and 11, obtained in Conditions 14.5 and 14.6.

14.8. Report as excess emissions and/or permit deviation in accordance with Condition 61 if the rolling 12-month NO_X emissions calculated under Condition 14.6 exceeds the limit in Condition 14, or if any of the requirements in Conditions 14.1 through 14.7 are not met.

[Condition 11, Minor Permit No. AQ0221MSS06, 6/13/2025]
[18 AAC 50.040(j) & 50.326(j)]
[40 C.F.R. 71.6(a)(1), (a)(3) & (c)(6)]

15. Source Testing Requirements. If the 12-month rolling total NO_X emissions obtained in accordance with Condition 14.6 exceeds 225 tons, then within 180 days of discovery, conduct a source test to verify the NO_X emissions rate of EU IDs 1, 2a, 3a, 4a, 10, and 11.

15.1. Conduct the source test at or about each of the following loads: 25 percent, 50 percent, 75 percent, and 100 percent of the rated engine capacity such that NO_X emission factors can be determined for each of the following load ranges: 100% - 76%, 75% - 51%, 50% - 26%, and 25% or less. Monitor and record the fuel consumption and average load during each test. List the average operating parameters for each run in the source test result.

15.2. From each test, determine the NO_X emission factor for each of the load ranges specified in Condition 15.1 using exhaust properties determined by either Method 19 or Methods 1 – 4, for each load. If using Method 19, then use the higher heating value throughout the analysis.

15.3. Within 30 days of receiving Department approval regarding the source test conducted in Condition 15.1, calculate the rolling 12-month NO_X emissions for EU IDs 1, 2a, 3a, 4a, 10, and 11 for each of the previous 12 calendar months beginning with the month the Department approved the source test. Use the updated emission factors from the Department approved NO_X source test for EU IDs 1, 2a, 3a, 4a, 10, and 11 (as applicable).

15.4. Report as permit deviation in accordance with Condition 61 if any of the requirements in Condition 15 are not met.

[Condition 12, Minor Permit No. AQ0221MSS06, 6/13/2025]
[18 AAC 50.040(j) & 50.326(j)]
[40 C.F.R. 71.6(a)(3) & (c)(6)]

Insignificant Emissions Units

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

16.1. **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)]

16.2. **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)]

16.3. **Sulfur Compound Standard.** The Permittee shall not cause or allow sulfur compound emissions, expressed as SO_2, from an industrial process or fuel-burning equipment, to exceed 500 ppm averaged over three hours.

[18 AAC 50.055(c)]

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

a. Submit the compliance certifications of Condition 63 based on reasonable inquiry;

b. Comply with the requirements of Condition 44;

c. Report in the operating report required by Condition 62 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 16.1, 16.2, and 16.3.

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

Section 4. Federal Requirements

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

NSPS Subpart A – General Provisions

17. NSPS Subpart A Notification. Unless inapplicable pursuant to 40 C.F.R. 60.7(h), for any affected facility[7] or existing facility[8] regulated under NSPS requirements in 40 C.F.R. 60, the Permittee shall furnish the Administrator[9] 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), 60.7(h), & 60.15(d), Subpart A]

17.1. 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]

17.2. 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]

17.3. 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 include[10]

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]

17.4. 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:

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[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 Administrator"* to mean "the EPA and the Department."

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

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

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.

18. 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 Conditions 21.1 through 21.3. 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 IIII[11] – Compression Ignition Internal Combustion Engines (CI ICE), EU IDs 2a, 10, and 11

19. NSPS Subpart IIII Applicability and General Compliance Requirements. For EU IDs 2a, 10, and 11 listed in Table 1, the Permittee shall comply with the applicable requirements for stationary CI ICE whose construction[12] commenced after July 11, 2005, where the stationary CI ICE are manufactured after April 1, 2006 and are not fire pump engines.

19.1. Comply with the applicable provisions of 40 C.F.R. 60 Subpart A as specified in Table 8 to Subpart IIII, and applicable provisions of Subpart IIII as specified in Conditions 20 through 23.

[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)(i), 60.4218, & Table 8, Subpart IIII]

[11] The provisions of NSPS Subpart IIII listed in Conditions 19 through 23 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] For the purposes of NSPS Subpart IIII, 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).

20. NSPS Subpart IIII Good Air Pollution Control Practices (GAPCP). Except as permitted under Condition 22.2, the Permittee shall operate and maintain EU IDs 2a, 10, and 11 and control devices according to the manufacturer's written instructions, change only those emission-related settings that are permitted by the manufacturer, and meet the requirements of 40 C.F.R. 1068, as applicable. In addition, the Permittee shall operate and maintain EU IDs 2a, 10, and 11 that achieves the emissions standards as required in Condition 21 over the entire life of the engine.

[40 C.F.R. 60.4206, 60.4209, & 60.4211(a), Subpart IIII]

21. NSPS Subpart IIII 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)]

21.1. Exhaust emissions from EU ID 2a (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 non road CI engines rated >560 kW 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. 60.4202(a)(2), 60.4205(b), & 60.4216(c), Subpart IIII]
[40 C.F.R. 1039 Appendix I, Table 2]

21.2. Exhaust emissions from EU ID 10 (stationary CI ICE with a displacement between 5 and 15 liters per cylinder located in remote areas of Alaska) shall not exceed the following applicable exhaust emission standards (Tier 2 emission factors) for new marine CI engines in 40 C.F.R. 1042 Appendix I for all pollutants, for the same displacement and maximum engine power, as follows:

a. 7.8 g/kW-hr (or 5.8 g/hp-hr) for NMHC + NO_X;

b. 5.0 g/kW-hr (or 3.7 g/hp-hr) for CO; and

c. 0.27 g/kW-hr (or 0.20 g/hp-hr) for PM.

[40 C.F.R. 60.4201(d)(1), 60.4204(b), & 60.4216(c), Subpart IIII]
[40 C.F.R. 1042 Appendix I, Table 2]

21.3. Exhaust emissions from EU ID 11 (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 4 Interim emission factors) for generator sets rated >900 kW in 40 C.F.R. 1039.102, Table 7 for all pollutants, for the same displacement and maximum engine power, as follows:

a. 0.67 g/kW-hr (or 0.5 g/hp-hr) for NO_X;

b. 0.40 g/kW-hr (or 0.3 g/hp-hr) for NMHC;

c. 3.5 g/kW-hr (or 2.6 g/hp-hr) for CO; and

d. 0.10 g/kW-hr (or 0.07 g/hp-hr) for PM.

[40 C.F.R. 60.4201(a) & 60.4204(b), & 60.4216(c), Subpart IIII]
[40 C.F.R. 1039.102, Table 7]

22. NSPS Subpart IIII 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)]

22.1. For EU IDs 2a, 10, and 11, demonstrate compliance with the emission standards by purchasing an engine certified to the applicable emission standards in Conditions 21.1 through 21.3. The engines must be installed and configured according to the manufacturer's specifications, except as permitted in Condition 22.2.

[40 C.F.R. 60.4209 & 60.4211(c), Subpart IIII]

22.2. If the Permittee does not install, configure, operate, and maintain EU IDs 2a, 10, and 11, and control devices according to the manufacturer's emission-related written instructions as required in Condition 20, or changes emission-related settings in a way that is not permitted by the manufacturer, the Permittee shall demonstrate compliance for EU IDs 2a, 10, and 11 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 practices 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.

[40 C.F.R. 60.4209 & 60.4211(g)(3), Subpart IIII]

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)-(c).

[40 C.F.R. 60.4204(d), 60.4205(e) & 60.4212(a)-(c), Subpart IIII]

22.3. If EU ID 11 is equipped with a diesel particulate filter to comply with the emission standards in Condition 21.3, the diesel particulate filter must be installed with a backpressure monitor that notifies the owner or operate when the high backpressure limit of the engine is approached.

a. Keep records of any corrective action taken after the backpressure monitor as notified the owner or operator that the high backpressure limit of the engine is approached.

[40 C.F.R. 60.4209(b) & 60.4214(c), Subpart IIII]

22.4. For EU ID 10, the Permittee shall keep records of the following:

a. All notifications submitted to comply with this subpart and all documentation supporting any notification.

b. Maintenance conducted on the engine.

c. If the stationary CI internal combustion is a certified engine, documentation from the manufacturer that the engine is certified to meet the emissions standards.

d. If the stationary CI internal combustion is not a certified engine, documentation that the engine meets the emission standards.

[40 C.F.R. 60.4214(a)(2) & Table 8, Subpart IIII]

23. NSPS Subpart IIII Reporting. The Permittee shall report as follows:

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

23.1. Within 60 days after the date of completing each performance test required under Condition 22.2, you 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) & (2).

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

23.2. If you are required to electronically submit a report through CEDRI in the EPA's CDX, you may assert a claim of EPA system outage or force majeure for failure to timely comply with that reporting requirement as described in 40 C.F.R. 60.4214(h) or (i), respectively.

[40 C.F.R. 60.4214(h) & (i), Subpart IIII]

23.3. Any records required to be maintained by this subpart that are submitted electronically via the EPA's CEDRI may be maintained in electronic format. This ability to maintain electronic copies does not affect the requirement for facilities to make records, data, and reports available upon request to a delegated air agency or the EPA as part of an on-site compliance evaluation.

[40 C.F.R. 60.4214(j), Subpart IIII]

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

NESHAP Subpart A – General Provisions

24. 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 Table 8 to NESHAP Subpart ZZZZ for EU IDs 1, 3a, and 4a listed in Table 1.

[18 AAC 50.040(c)(1), (23) & (39), 50.040(j)(4) & 50.326(j)]
[40 C.F.R. 71.6(a)(1) & (a)(3)]
[40 C.F.R. 63.1-63.15, Subpart A]
[40 C.F.R. 63.6665 & Table 8, Subpart ZZZZ]

NESHAP Subpart ZZZZ[13] – Stationary RICE, EU IDs 1, 3a, and 4a

25. NESHAP Subpart ZZZZ Applicability. The Permittee shall comply with applicable requirements for existing[14] (EU IDs 1, 3a, and 4a) and new[15] (EU IDs 2a, 10, and 11) stationary reciprocating internal combustion engines (RICE) located at an area source of hazardous air pollutant (HAP) emissions.

25.1. For EU IDs 1, 3a, and 4a, existing stationary RICE units, the Permittee shall at all times comply with Conditions 26 through 29.

25.2. For EU IDs 2a, 10, and 11, new stationary RICE units, 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 19 through 23. No further requirements apply for such engines under 40 C.F.R. 63.

[18 AAC 50.040(c)(23) & (j)(4) & 50.326(j)]
[40 C.F.R. 71.6(a)(1)]
[40 C.F.R. 63.6585(a) & (c), 63.6590(a)(1)(iii), (a)(2)(iii) & (c)(1), & 63.6605(a), Subpart ZZZZ]

26. 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)]

26.1. At all times, operate and maintain EU IDs 1, 3a, and 4a, 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, 3a, and 4a.

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

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

[13] The provisions of NESHAP Subpart ZZZZ listed in Conditions 24 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.

[14] 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.

[15] 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.

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) & (e)(4), 63.6640(a), & Table 6 (item 9), Subpart ZZZZ]

26.3. 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) & Table 2d (item 1), Subpart ZZZZ]

27. NESHAP Subpart ZZZZ Work and Management Practices Standards and Monitoring. For EU IDs 1, 3a, and 4a, the Permittee shall comply with the following work and management practices and monitoring requirements:

[18 AAC 50.040(c)(23) & (j)(4) & 50.326(j)]
[40 C.F.R. 71.6(a)(1) & (3)(i)]
[40 C.F.R. 63.6603(a), (b) & (b)(2), 63.6640(a),Subpart ZZZZ]

27.1. Except during periods of startup, the Permittee shall meet the following requirements:

a. 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 27.4;

b. 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

c. 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]

27.2. During periods of startup, the Permittee shall comply with Condition 26.3.

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

27.3. Demonstrate continuous compliance with the requirements in Condition 27.1 by complying with Condition 26.2.

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

27.4. The Permittee has the option to utilize an oil analysis program in order to extend the specified oil change and filter requirements in Condition 27.1.a, as described below:

a. The oil analysis must be performed at the same frequency specified for changing the oil and filter in Condition 27.1.a.

b. The analysis program must, at a minimum, analyze the following three parameters: Total Base Number, 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 27.4.b(i) through 27.4.b(iii) are not exceeded, the Permittee is not required to change the oil and filter.

d. If any of the limits in Conditions 27.4.b(i) through 27.4.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) & Table 2d (Footnote 1), Subpart ZZZZ]

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

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

28.1. If electing to operate and maintain EU IDs 1, 3a, and 4a according to a maintenance plan developed by the Permittee as allowed under Condition 26.2.b, keep records of the maintenance conducted on EU IDs 1, 3a, and 4a in order to demonstrate that the stationary RICE and after-treatment control device (if any) are operated and maintained according to the maintenance plan.

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

28.2. If electing to utilize the oil analysis program described in Condition 27.4, 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]

28.3. 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]

29. NESHAP Subpart ZZZZ Reporting Requirements. The Permittee shall report, as follows:

[18 AAC 50.040(c)(23) & (j)(4) & 50.326(j)]
[40 C.F.R. 71.6(a)(3)(iii) & (c)(6)]

29.1. Include in the operating report required by Condition 62, 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) & 63.6650(f), Subpart ZZZZ]

40 C.F.R. Part 61 National Emission Standards for Hazardous Air Pollutants (NESHAP)

Subpart A – General Provisions & Subpart M – Asbestos

30. 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, & Appendix A]

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

31. 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]

32. 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)-(d), Subpart G]

33. 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)-(f), Subpart H]

NESHAP Applicability Determination Requirements

34. 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).

34.1. 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).

34.2. If a source becomes affected by a 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) & (iii)]
[40 C.F.R. 63.1(b), 63.1(c)(5), 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

35. 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) & 50.345(a) & (e)]

36. 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) & 50.345(a) & (f)]

37. The permit does not convey any property rights of any sort, nor any exclusive privilege.

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

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

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

39. 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:

39.1. potential to emit of 321.93 TPY; or

39.2. 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]

40. Assessable Emission Estimates. The Permittee shall comply as follows:

40.1. 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 39.2. 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/.

40.2. 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.

40.3. If no estimate or waiver letter 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 39.1.

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

41. 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)]

42. 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.

[18 AAC 50.045(d), 50.326(j)(3), & 50.346(c)]

43. 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)]

44. 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), & 50.346(a)]
[40 C.F.R. 71.6(a)(3)]

44.1. **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 44.

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 44; or

(ii) the Department notifies the Permittee that it has found a violation of Condition 44.

44.2. **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 44; and

d. any corrective actions taken or planned for complaints attributable to emissions from the stationary source.

44.3. **Reporting.** The Permittee shall report as follows:

a. With each stationary source operating report under Condition 62, 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 61.

45. 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 standard[16] listed in Conditions 21 and 31 (refrigerants), the Permittee shall

45.1. take all reasonable steps to minimize levels of emissions that exceed the standard; and

45.2. report in accordance with Condition 61.1.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

46. 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:

46.1. 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

46.2. Include this condition in the annual certification required under Condition 63.

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

[16] 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

47. 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) & 50.345(a) & (k)]

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

[18 AAC 50.220(b)]

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

48.2. 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.

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

49.1. 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) & 50.040(a)]
[40 C.F.R. 60]

49.2. Source testing for compliance with requirements adopted by reference in 18 AAC 50.040(b) must be conducted in accordance with the methods and procedures specified in 40 C.F.R. 61.

[18 AAC 50.040(b) & 50.220(c)(1)(B)]
[40 C.F.R. 61]

49.3. 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) & 50.220(c)(1)(C)]
[40 C.F.R. 63]

49.4. 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 & 50.220(c)(1)(D)]

49.5. 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) & 50.220(c)(1)(E)]
[40 C.F.R. 60, Appendix A]

49.6. Source testing for emissions of PM_{10} 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]

49.7. 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]

50. 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) & 50.990(102)]

51. Test Exemption. The Permittee is not required to comply with Conditions 53, 54, and 55 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)]

52. 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)]

53. Test Plans. Except as provided in Condition 51, 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 47 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)]

54. Test Notification. Except as provided in Condition 51, 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)]

55. Test Reports. Except as provided in Condition 51, 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 58. 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)]

56. Particulate Matter Calculations. In source testing for compliance with the particulate matter standards in Conditions 5 and 16.2, 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

57. The Permittee shall keep all records required by this permit for at least five years after the date of collection, including:

57.1. Copies of all reports and certifications submitted pursuant to this section of the permit; and

57.2. 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) & 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

58. 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.

58.1. 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)]

59. 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 may submit the documents electronically or by hard copy.

59.1. 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)]

60. 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)]

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

61.1. **Excess Emissions Reporting.** Except as provided in Condition 44, 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 61.1.d.

d. Report all other excess emissions not described in Conditions 61.1.a, 61.1.b, and 61.1.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 62 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)]

61.2. **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 8.4.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 62 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)]

61.3. **Reporting Instructions.** When reporting either excess emissions or permit deviations, the Permittee shall report using the Department's online form for all such submittals. 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 50.326(j)(3), 50.346(b)(2), & 50.270(a), (b), & (c)]

62. Operating Reports. During the life of this permit,[17] the Permittee shall submit to the Department an operating report in accordance with Conditions 58 and 59 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.

62.1. 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.

62.2. When excess emissions or permit deviations that occurred during the reporting period are not included with the operating report under Condition 62.1, the Permittee shall identify

a. the date of the excess emissions or permit deviation;

b. the equipment involved;

c. the permit condition affected;

[17] *"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

62.3. when excess emissions or permit deviation reports have already been reported under Condition 61 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.

62.4. 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, and 6.2 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.

62.5. **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)]

63. 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 59.

63.1. 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.

63.2. **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.

63.3. 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)]

64. 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, NH_3, NO_X, PM_{10}, $PM_{2.5}$, SO_2, VOC and lead (Pb) and lead compounds, as follows:

64.1. For reporting under Condition 64, the Permittee shall report the annual emissions and the required data elements under Condition 64.2 every third year for the previous calendar year as scheduled by the EPA.[18]

64.2. For each emissions unit and the stationary source, include in the report the required data elements[19] 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.

64.3. 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), & Appendix A to 40 C.F.R. 51, Subpart A]

65. 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.

[18] 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.).

[19] 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.

65.1. For the purposes of reporting actual or assessable emissions required under Condition 64 and Condition 39.2, 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), & Appendix A to 40 C.F.R. 51, Subpart A]

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

66.1. **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 62 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.

66.2. **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) & 50.326(j)(4)]
[40 C.F.R. 60.13, 63.10(d) & (f) & 40 C.F.R. 71.6(c)(6)]

67. 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.

67.1. 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.

67.2. 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) & 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

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

68.1. 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;

68.2. 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;

68.3. 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

68.4. The Permittee shall maintain records as necessary to demonstrate compliance with this condition.

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

69. 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) & 50.326(j)(4)]
[40 C.F.R. 71.6(a)(8)]

70. 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:

70.1. Each such change shall meet all applicable requirements and shall not violate any existing permit term or condition;

70.2. 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)-(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;

70.3. The change shall not qualify for the shield under 40 C.F.R. 71.6(f); and

70.4. 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) & 50.326(j)(4)]
[40 C.F.R. 71.6(a)(12)]

71. Operational Flexibility. The Permittee may make CAA Section 502(b)(10)[20] 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).

71.1. The Permittee shall provide EPA and the Department with a written notification no less than seven days in advance of the proposed change.

71.2. For each such change, the notification required by Condition 71.1 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.

71.3. The permit shield described in 40 C.F.R. 71.6(f) shall not apply to any change made pursuant to Condition 71.

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

72. Permit Renewal. To renew this permit, the Permittee shall submit to the Department 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>**, and according to the submittal instructions in Conditions 59 and 68. 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) & 50.326(c) & (j)(2)]
[40 C.F.R. 71.5(a)(1)(iii) & 71.7(b) & (c)(1)(ii)]

[20] 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

73. Compliance with permit terms and conditions is considered to be compliance with those requirements that are

73.1. included and specifically identified in the permit; or

73.2. determined in writing in the permit to be inapplicable.

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

74. 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

74.1. an enforcement action;

74.2. permit termination, revocation and reissuance, or modification in accordance with AS 46.14.280; or

74.3. denial of an operating permit renewal application.

[18 AAC 50.040(j), 50.326(j) & 50.345(a) & (c)]

75. 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) & 50.326(j)]
[40 C.F.R. 71.6(c)(3) & 71.5(c)(8)(iii)(A)]

76. For applicable requirements that will become effective during the permit term, the Permittee shall meet such requirements on a timely basis.

[18 AAC 50.040(j) & 50.326(j)]
[40 C.F.R. 71.6(c)(3) & 71.5(c)(8)(iii)(B)]

77. 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) & 50.345(a) & (d)]

78. 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

78.1. enter upon the premises where a source subject to the permit is located or where records required by the permit are kept;

78.2. have access to and copy any records required by the permit;

78.3. inspect any stationary source, equipment, practices, or operations regulated by or referenced in the permit; and

78.4. sample or monitor substances or parameters to assure compliance with the permit or other applicable requirements.

[18 AAC 50.326(j)(3) & 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.

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

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

79.2. 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) & 50.326(j)]
[40 C.F.R. 71.6(f)(3)(i) & (ii)]

80. Table 3 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 3 becomes applicable during the permit term, the Permittee shall comply with such requirements on a timely basis. The Permittee shall also provide appropriate notification and obtain a construction permit and/or an operating permit revision, as necessary.

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

Table 3 - Permit Shields Granted

Non-Applicable Requirements	Reason for Non-Applicability
EU IDs 1, 3a, and 4a	
40 C.F.R. 60 Subpart IIII – Standards of Performance (NSPS) for Stationary Compression Ignition Internal Combustion Engines.	The emission units were not manufactured after April 1, 2006, or modified/reconstructed after July 11, 2005.
40 C.F.R. 63 Subpart ZZZZ – National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines • §63.6600, §63.6601, & §63.6602 – Emissions Limitations • §63.6610 & §63.6611 – Testing and Initial Performance Requirements	These sections address requirements for a major source of HAP emissions. The stationary source is not a major source of HAP emissions.
• §63.6603(c)-(f) – Emission Limitations, Operating Limitations, and Other Requirements	The requirements under these sections apply to engines that fit specific criteria (e.g., located on an offshore vessel, subject to an enforceable state or local standard requiring replacement by a certain date, etc.). EU IDs 1, 3a, and 4a do not meet the criteria listed in these sections and, therefore, are not subject to the requirements within these sections.
• §63.6604(a) – Fuel Requirements • §63.6612 – Testing and Initial Compliance Requirements • §63.6615 – Subsequent Testing	Per 40 C.F.R. 63.6603(b)(2), existing stationary non-emergency RICE greater than 300 hp located at area sources in areas of Alaska whose only connection to Federal Aid Highway System is through the Alaska Marine Highway System, more than 10 percent of the power is used for

Non-Applicable Requirements	Reason for Non-Applicability
• §63.6620 – Performance Tests and Procedures • §63.6630 – Initial Compliance Demonstration Requirements • §63.6635 – Monitoring to Demonstrate Continuous Compliance • Table 2d – CO numerical limitations	residential purposes, and the generating capacity is less than 12 megawatts do not have to meet the numerical CO emission limitations specified in Table 2d of Subpart ZZZZ. Per §63.6604(d), "existing CI stationary RICE at area sources in areas of Alaska that meet either §63.6603(b)(1) or (b)(2)… are exempt from the requirements of this section [i.e., the fuel requirements listed under §63.6604]." EU IDs 1, 3a, and 4a meet the criteria listed under §63.6603(b)(2). Therefore, these engines do not have to meet the numerical CO emission limitations specified in Table 2d and are exempt from the fuel requirements under §63.6604. Additionally, requirements for demonstrating compliance with CO numerical emission limitations, such as the requirements listed under §63.6612, §63.6615, §63.6620, §63.6630, and §63.6635 are not applicable.
• §63.6655(a)-(d) & (f) – Recordkeeping requirements	These sections address recordkeeping requirements for stationary RICE subject to emission and operating limitations, with continuous emissions monitoring systems (CEMS) or continuous parameter monitoring systems (CPMS), are new or reconstructed which fires landfill gas or digester, or are stationary emergency CI RICE. These emission units do not meet these criteria.
Tank IEU (EU ID 7)	
40 C.F.R. 60 Subpart K – NSPS for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978	Emissions unit has a storage capacity less than 40,000 gallons each and commenced construction after July 24, 1984
40 C.F.R. 60 Subpart Ka – NSPS for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984	
40 C.F.R. 60 Subpart Kb – NSPS for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984	Emissions unit has a storage capacity less than 75 cubic meters (19,813 gallons).
EU ID 10	
40 C.F.R. 60.8(b)-(e), Subpart A – Performance Tests	Initial performance tests have been completed for the emissions unit. This shield is applicable until the emissions unit is modified, reconstructed, or replaced.
Smart Ash IEU (EU ID 11)	
40 C.F.R. 60, Subpart EEEE – Standards of Performance for Other Solid Waste Incineration Units	The emissions unit fits the criteria of "rudimentary combustion device" as defined in 40 C.F.R. 60.2977. Per 40 C.F.R. 60.2885, NSPS Subpart EEEE does not apply to an

Non-Applicable Requirements	Reason for Non-Applicability
	incineration unit "if it is a rudimentary combustion device as defined in §60.2977."

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
Emission Unit Location	
City / State / Zip	
Phone # (Key Contact)	Stationary Source ID Number
Process Equipment	Operating Mode
Control Equipment	Operating Mode
Describe Emission Point/Location	
Height above ground level / Height relative to observer / Clinometer Reading	
Distance From Observer: Start / End	Direction From Observer: Start / End
Describe Emissions & Color: Start / End	
Visible Water Vapor Present? If yes, determine approximate distance from the stack exit to where the plume was read: No / Yes	
Point in Plume at Which Opacity Was Determined	
Describe Plume Background: Start / End	Background Color: Start / End
Sky Conditions: Start / End	
Wind Speed: Start / End	Wind Direction From: Start / End
Ambient Temperature	Wet Bulb Temp / RH percent
SOURCE LAYOUT SKETCH: 1 Stack or Point Being Read 2 Wind Direction From 3 Observer Location 4 Sun Location 5 North Arrow 6 Other Stacks	
Additional Information:	

Observation Date	Start Time	End Time

Min \ Sec	0	15	30	45	Comments
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Range of Opacity:
Minimum | Maximum

I have received a copy of these opacity observations
Print Name:
Signature:

Print Observer's Name
Observer's 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%:	
In compliance with six-minute opacity limit? (Yes or No)	Highest 18-Consecutive –Minute Average Opacity (%)(engines and turbines only)

Average Opacity Summary:

Set Number	Time			Opacity		
	Start	End		Sum	Average	Comments

Section 12. Notification Form[21]

Orca Power Plant **AQ0221TVP05**

Stationary Source Name **Air Quality Permit Number.**

Cordova Electric Cooperative

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 COBC[22], CO[23], or Settlement Agreement - Complete Section 2 and Certify

[21] Revised as of July 22, 2020.

[22] Compliance Order By Consent

[23] 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 _____%
- ☐ Control Equipment Down
- ☐ Emission Limit Exceeded
- ☐ Flaring
- ☐ Other**:** _____
- ☐ Venting _____(gas/scf)
- ☐ Fugitive Emissions
- ☐ Marine Vessel Opacity

(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 (<u>go to end of form</u>)

Section 2. Permit Deviations

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

- ☐ Emissions Unit-Specific Requirements
- ☐ Stationary Source-Wide Specific Requirements
- ☐ Monitoring/Recordkeeping/Reporting Requirements
- ☐ General Source Test Requirements
- ☐ Compliance Certification Requirements
- ☐ Standard/Generally Applicable Requirements
- ☐ Insignificant Emissions Unit Requirements
- ☐ Other: _____

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

Identify the emissions units involved in the event, using the same identification number and name as in the permit. List the corresponding permit condition and the deviation.

EU ID	EU Name	Permit Condition /Potential Deviation

(c) **Description of Potential Deviation:**

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 58.)*

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)]