

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION**  
**AIR QUALITY OPERATING PERMIT**

Permit No. AQ0433TVP02

Issue Date: Public Comment - July 15, 2010

Expiration Date: Five Years

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

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

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

Citations listed herein are contained within 18 AAC 50 dated July 1, 2010, Register 194. All federal regulation citations are from those sections adopted by reference in this version of regulation in 18 AAC 50.040 unless otherwise specified.

Upon effective date of this permit, Operating Permit No. AQ0433TVP01 expires.

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

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John F. Kuterbach, Manager  
Air Permits Program

## Table of Contents

	List of Abbreviations Used in this Permit.....	iv
Section 1.	Stationary Source Information.....	1
	Identification .....	1
Section 2.	Emission Unit Inventory and Description.....	2
Section 3.	State Requirements .....	3
	Visible Emissions Standards.....	3
	Visible Emissions Monitoring, Recordkeeping and Reporting .....	3
	Particulate Matter Emissions Standards.....	7
	PM Monitoring, Recordkeeping and Reporting.....	7
	Sulfur Compound Emission Standards Requirements .....	9
	Ambient Air Quality Protection.....	9
	Best Available Control Technology.....	11
Section 4.	Federal Requirements .....	16
	Emission Units Subject to Federal New Source Performance Standards (NSPS), Subpart A .....	16
	Steam Generating Units Subject to NSPS Subpart Dc .....	17
	Reciprocating Internal Combustion Engines (RICE) Emission Units Subject to NESHAP Subpart ZZZZ, EU IDs 1 through 3 .....	18
	Risk Management Plan .....	19
Section 5.	General Conditions .....	21
	Standard Terms and Conditions.....	21
	NESHAPs Applicability Determinations.....	25
	Open Burning Requirements.....	25
Section 6.	General Source Testing and Monitoring Requirements.....	26
Section 7.	General Recordkeeping and Reporting Requirements.....	29
	Recordkeeping Requirements .....	29
	Reporting Requirements .....	29
Section 8.	Permit Changes and Renewal .....	34
Section 9.	Compliance Requirements .....	36
	General Compliance Requirements .....	36
	Compliance Schedule.....	37
Section 10.	Permit As Shield from Inapplicable Requirements .....	38
Section 11.	Visible Emissions Forms .....	39
	Visible Emissions Field Data Sheet.....	39

Visible Emissions Observation Record .....40  
Section 12. ADEC Notification Form.....41

### List of Abbreviations Used in this Permit

AAC.....	Alaska Administrative Code	NESHAPs.....	Federal National Emission Standards for Hazardous Air Pollutants [NESHAPs as contained in 40 C.F.R. 61 and 63]
ADEC .....	Alaska Department of Environmental Conservation	NO <sub>x</sub> .....	Nitrogen Oxides
AS.....	Alaska Statutes	NSPS .....	Federal New Source Performance Standards [NSPS as contained in 40 C.F.R. 60]
ASTM.....	American Society for Testing and Materials	O & M .....	Operation and Maintenance
BACT .....	Best Available Control Technology	O <sub>2</sub> .....	Oxygen
BHp .....	Boiler Horsepower	PAL .....	Plantwide Applicability Limitation
C.F.R. ....	Code of Federal Regulations	PM-10 .....	Particulate Matter less than or equal to a nominal ten microns in diameter
The Act.....	Clean Air Act	ppm .....	Parts per million
CO .....	Carbon Monoxide	ppmv, ppmvd .....	Parts per million by volume on a dry basis
dscf .....	Dry standard cubic foot	psia .....	Pounds per Square Inch (absolute)
EPA .....	US Environmental Protection Agency	PSD .....	Prevention of Significant Deterioration
EU.....	Emission Unit	PTE .....	Potential to Emit
gr./dscf.....	grain per dry standard cubic foot (1 pound = 7000 grains)	SIC. ....	Standard Industrial Classification
GPH.....	gallons per hour	SO <sub>2</sub> .....	Sulfur dioxide
HAPs .....	Hazardous Air Pollutants [HAPs as defined in AS 46.14.990]	TPH.....	Tons per hour
ID.....	Emission Unit Identification Number	TPY .....	Tons per year
kPa.....	kiloPascals	VOC .....	volatile organic compound [VOC as defined in 40 C.F.R. 51.100(s)]
LAER.....	Lowest Achievable Emission Rate	VOL .....	volatile organic liquid [VOL as defined in 40 C.F.R. 60.111b, Subpart Kb]
MACT .....	Maximum Achievable Control Technology [MACT as defined in 40 C.F.R. 63]	vol% .....	volume percent
MMBtu/hr.....	Million British thermal units per hour	wt% .....	weight percent
MMSCF.....	Million standard cubic feet		
MR&R.....	Monitoring, Recordkeeping, and Reporting		

## Section 1. Stationary Source Information

### Identification

Permittee:	<b>Westward Seafoods, Inc.</b> 2101 4 <sup>th</sup> Avenue, Suite 1700 Seattle, WA 98121
Stationary Source Name:	<b>Westward Dutch Harbor Seafood Processing Facility</b>
Location:	53° 51' 30.30" North; 166° 33' 08.65" West
Physical Address:	1 Mile Captains Bay Road, Dutch Harbor, AK 99692
Owner:	<b>Westward Seafoods, Inc.</b> 2101 4 <sup>th</sup> Avenue, Suite 1700 Seattle, WA 98121
Operator:	Westward Seafoods, Inc. 2101 4 <sup>th</sup> Avenue, Suite 1700 Seattle, WA 98121
Permittee's Responsible Official:	Mr. David W. Boisseau, Plant Manager P.O. Box 920608 Dutch Harbor, AK 99692-0608
Designated Agent:	Mr. David W. Boisseau, Plant Manager P.O. Box 920608 Dutch Harbor, AK 99692-0608
Stationary Source and Building Contact:	Mr. Rictor W. Upton Manager, Environmental Compliance Department P.O. Box 920608 Dutch Harbor, AK 99692-0608 (907) 581-1660 <a href="mailto:ric@westwardseafoods.com">ric@westwardseafoods.com</a>
Fee Contact:	Ms. Sally Cervantes Westward Seafoods, Inc. 2101 4 <sup>th</sup> Avenue, Suite 1700 Seattle, WA 98121 (206) 682-5949
Permit Contact:	Mr. Rictor W. Upton Manager, Environmental Compliance Department P.O. Box 920608 Dutch Harbor, AK 99692-0608 (907) 581-1660 <a href="mailto:ric@westwardseafoods.com">ric@westwardseafoods.com</a>
Process Description SIC Code:	2092 - Prepared Fresh or Frozen Fish and Seafoods

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

**Section 2. Emission Unit Inventory and Description**

Emission units listed in Table A have specific monitoring, recordkeeping, or reporting conditions in this permit. Emission unit descriptions and ratings are given for identification purposes only.

**Table A - Emission Unit Inventory**

<b>EU ID</b>	<b>Emission Unit Name</b>	<b>Emission Unit Description</b>	<b>Rating/Size</b>	<b>Construction Date</b>
1	Wartsila Generator	Model 6R32D, Serial Number 5015	2,220 kW	1991
2	Wartisila Generator	Model 6R32D, Serial Number 5016	2,220 kW	1991
3	Wartsila Generator	Model 6R32D, Serial Number 5017	2,220 kW	1991
4	Cleaver-Brooks Fire tube Boiler	Model No. NCB-100-700-200, Serial Number L-88024	29.3 MMBtu/hr	1991
5	Cleaver-Brooks Fire tube Boiler	Model No. NCB-100-700-200, Serial Number L-88025	29.3 MMBtu/hr	1991
6	10 Chiller and Refrigeration Units	10 Miscellaneous Chiller and Refrigeration Units	<50 lb Freon or 80,000 lb anhydrous ammonia	--
7	Meal Reduction Plant	Evaporative Heat Exchanger <sup>1</sup>		

Notes: 1. The vapors from the meal dryer are passed through a seawater spray scrubber where they are exhausted.  
 2. The local fuel vendor owns and operates three fuel storage tanks at the Westward facility. Each tank is subject to 40 C.F.R. 60 Subpart Kb. The fuel vendor is responsible for the applicable requirements.

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

### **Section 3. State Requirements**

#### **Visible Emissions Standards**

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 ID(s) 1 through 5 and 7 listed in Table A to reduce visibility through the exhaust effluent by more than 20 percent averaged over any six consecutive minutes. For EU ID(s) 1 through 5 and 7, monitor, record and report in accordance with Conditions 2 - 4.

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

#### **Visible Emissions Monitoring, Recordkeeping and Reporting**

##### *Liquid Fuel-Fired Emission Units (EU ID(s) 1 through 5) and Meal Drier (EU ID 7)*

2. **Visible Emissions Monitoring.** The Permittee shall observe the exhaust of EU ID(s) 1 through 5 and 7 for visible emissions using either the Method 9 Plan under Condition 2.1 or the Smoke/No-Smoke Plan under Condition 2.2. The Permittee may change visible-emissions plans for an emission unit at any time unless prohibited from doing so by Condition 2.3. The Permittee may for each unit elect to continue the visible emission monitoring schedule in effect from the previous permit at the time a renewed permit is issued, if applicable.

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

- 2.1. **Method 9 Plan.** For all 18-minute observations in this plan, observe exhaust, following 40 C.F.R. 60, Appendix A-4, Method 9, adopted by reference in 18 AAC 50.040(a), for 18 minutes to obtain 72 consecutive 15-second opacity observations.
  - a. First Method 9 Observation. For any unit, observe exhaust for 18 minutes within 14 calendar days after changing from the Smoke/No-Smoke Plan of Condition 2.2. For any unit replaced during the term of this permit, observe exhaust for 18 minutes within 30 days of startup.
  - b. Monthly Method 9 Observations. After the first Method 9 observation, perform 18-minute observations at least once in each calendar month that an emission unit operates.
  - c. Semiannual Method 9 Observations. After observing emissions for three consecutive operating months under Condition 2.1.b, unless a six-minute average is greater than 15 percent and one or more observations are greater than 20 percent, perform 18-minute observations at least semiannually.  
Semiannual observations must be taken between four and seven months after the previous set of observations.

- d. Annual Method 9 Observations. After at least two semiannual 18-minute observations, unless a six-minute average is greater than 15 percent and one or more individual observations are greater than 20 percent, perform 18-minute observations at least annually.  
Annual observations must be taken between 10 and 13 months after the previous observations.
  - e. Increased Method 9 Frequency. If a six-minute average opacity is observed during the most recent set of observations to be greater than 15 percent and one or more observations are greater than 20 percent, then increase or maintain the 18-minute observation frequency for that emission unit to at least monthly intervals, until the criteria in Condition 2.1.c for semiannual monitoring are met.
- 2.2. **Smoke/No Smoke Plan.** Observe the exhaust for the presence or absence of visible emissions, excluding condensed water vapor.
- a. Initial Monitoring Frequency. Observe the exhaust during each calendar day that an emission unit operates.
  - b. Reduced Monitoring Frequency. After the emission unit has been observed on 30 consecutive operating days, if the emission unit operated without visible smoke in the exhaust for those 30 days, then observe emissions at least once in every calendar month that an emission unit operates.
  - c. Smoke Observed. If smoke is observed, either begin the Method 9 Plan of Condition 2.1 or perform the corrective action required under Condition 2.3
- 2.3. **Corrective Actions Based on Smoke/No Smoke Observations.** If visible emissions are present in the exhaust during an observation performed under the Smoke/No Smoke Plan of Condition 2.2, then the Permittee shall either follow the Method 9 plan of Condition 2.1 or
- a. initiate actions to eliminate smoke from the emission 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 smoke; and
  - c. after completing the actions required under Condition 2.3.a,
    - (i) take Smoke/No Smoke observations in accordance with Condition 2.2.
      - (A) at least once per day for the next seven operating days and until the initial 30 day observation period is completed; and
      - (B) continue as described in Condition 2.2.b; or

- (ii) if the actions taken under Condition 2.3.a do not eliminate the smoke, or if subsequent smoke is observed under the schedule of Condition 2.3.c(i)(A), then observe the exhaust using the Method 9 Plan unless the Department gives written approval to resume observations under the Smoke/No Smoke Plan; after observing smoke and making observations under the Method 9 Plan, the Permittee may at any time take corrective action that eliminates smoke and restart the Smoke/No Smoke Plan under Condition 2.2.a.

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

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

3.1. When using the Method 9 Plan of Condition 2.1,

a. the observer shall record

- (i) the name of the stationary source, emission unit and location, emission unit type, observer's name and affiliation, and the date on the Visible Emissions Field Data Sheet in Section 10;
- (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) 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 Emissions Observation record in Section 10, 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, divide the observations recorded on the record sheet into sets of 24 consecutive observations; sets need not be consecutive in time and in no case shall two sets overlap; for each set of 24 observations, calculate the average by summing the opacity of the 24 observations and dividing this sum by 24; record the average opacity on the sheet.

c. Calculate and record the highest 18-consecutive-minute averages observed.

3.2. If using the Smoke/No Smoke Plan of Condition 2.2, 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. from Table A, the ID of the emission unit observed;
- c. whether visible emissions are present or absent in the exhaust;
- d. a description of the background to the exhaust during the observation;
- e. if the emission unit starts operation on the day of the observation, the startup time of the emission unit;
- f. name and title of the person making the observation; and
- g. operating rate (load or fuel consumption rate).

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

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

- 4.1. Include in each stationary source operating report under Condition 64, include for the period covered by the report:
  - a. which visible-emissions plan of Condition 2 was used for each emission unit; if more than one plan was used, give the time periods covered by each plan;
  - b. for each emission unit under the Method 9 Plan,
    - (i) copies of the observation results (i.e. opacity observations) for each emission unit that used the Method 9 Plan, 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-minute average observed; and
      - (C) dates when one or more observed six-minute averages were greater than 20 percent;
  - c. for each emission unit under the Smoke/No Smoke Plan, the number of days that Smoke/No Smoke observations were made and which days, if any, that smoke was observed; and
  - d. a summary of any monitoring or recordkeeping required under Conditions 2 and 3 that was not done;
- 4.2. Report under Condition 63:
  - a. the results of Method 9 observations that exceed an average of 20 percent opacity for any six-minute period; and
  - b. if any monitoring under Condition 2 was not performed when required, report within three days of the date the monitoring was required.

## Particulate Matter Emissions Standards

- 5. Industrial Process and Fuel-Burning Equipment Particulate Matter.** The Permittee shall not cause or allow particulate matter emitted from EU ID(s) 1 through 5 and 7 listed in Table A to exceed 0.05 grains per cubic foot of exhaust gas corrected to standard conditions and averaged over three hours. For EU ID(s) 1 through 5 and 7, monitor, record and report in accordance with Conditions 6 - 10.

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

## PM Monitoring, Recordkeeping and Reporting

### *Liquid Fuel-Fired Engines (EU ID(s) 1 through 3)*

- 6. Particulate Matter Monitoring for Diesel Engines.** The Permittee shall conduct source tests on diesel engines EU ID(s) 1 through 3, to determine the concentration of particulate matter (PM) in the exhaust of an emission unit in accordance with this Condition 6.

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

- 6.1. Except as provided in Condition 6.4 within six months of exceeding the criteria of Conditions 6.2.a or 6.2.b, either
- a. conduct a PM source test according to requirements set out in Section 6; or
  - b. make repairs so that emissions no longer exceed the criteria of Condition 6.2; to show that emissions are below those criteria, observe emissions as described in Condition 2.1 under load conditions comparable to those when the criteria were exceeded.
- 6.2. Conduct the PM test or make repairs according to Condition 6.1 if
- a. 18 consecutive minutes of Method 9 observations result in an 18-minute average opacity greater than 20 percent; or
  - b. for an emission unit with an exhaust stack diameter that is less than 18 inches, 18 consecutive minutes of Method 9 observations result in an 18-minute average opacity that is greater than 15 percent and not more than 20 percent, unless the Department has waived this requirement in writing.
- 6.3. During each one-hour PM source test run, observe the exhaust for 60 minutes in accordance with Method 9 and calculate the highest average 6-minute opacity that was measured during each one-hour test run. Submit a copy of these observations with the source test report.
- 6.4. The automatic PM source test requirement in Conditions 6.1 and 6.2 is waived for an emissions unit if a PM source test on that unit has shown compliance with the PM standard during this permit term.

**7. Particulate Matter Reporting for Diesel Engines.** The Permittee shall report as follows:  
[18 AAC 50.040(j), 50.326(j), & 50.346(c)]  
[40 C.F.R. 71.6(a)(3)(iii)]

- 7.1. Report under Condition 63
  - a. the results of any PM source test that exceeds the PM emissions limit; or
  - b. if one of the criteria of Condition 6.2 was exceeded and the Permittee did not comply with either Condition 6.1.a or 6.1.b, this must be reported by the day following the day compliance with Condition 6.1 was required;
- 7.2. Report observations in excess of the threshold of Condition 6.2.b within 30 days of the end of the month in which the observations occur;
- 7.3. In each operating report under Condition 64, include for the period covered by the report:
  - a. the dates, EU ID(s), and results when an observed 18-minute average was greater than an applicable threshold in Condition 6.2;
  - b. a summary of the results of any PM testing under Condition 6; and
  - c. copies of any visible emissions observation results (opacity observations) greater than the thresholds of Condition 6.2, if they were not already submitted.

*For Liquid Fuel-Fired Boilers (EU ID(s) 4 and 5)*

**8. Particulate Matter Monitoring for Liquid Fuel-Fired Boilers and Heaters.** The Permittee shall conduct source tests on EU ID(s) 4 and 5 to determine the concentration of PM in the exhaust of EU ID(s) 4 and 5 as follows:

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

- 8.1. Conduct a PM source test according to the requirements set out in Section 6 no later than 90 calendar days after any time corrective maintenance fails to eliminate visible emissions greater than the 20 percent opacity threshold in Condition 1 for two or more 18-minute observations in a consecutive six-month period.
- 8.2. During each one-hour PM source test run, observe the exhaust for 60 minutes in accordance with Method 9 and calculate the average opacity that was measured during each one-hour test run.
- 8.3. The PM source test requirement in Condition 8 is waived for an emission unit if:
  - a. a PM source test during the most recent semiannual reporting period on that unit shows compliance with the PM standard since permit issuance, or
  - b. if a follow-up visible emission observation conducted using Method-9 during the 90 days shows that the excess visible emissions described in Condition 2.1.e no longer occur.

**9. Particulate Matter Recordkeeping for Liquid Fuel-Fired Boilers and Heaters.** The Permittee shall keep records of the results of any conducted PM testing and results of visible emissions observations conducted under Condition 8.

9.1. For EU ID 7, the Permittee shall keep records as set forth in Condition 42.6.a.

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

**10. Particulate Matter Reporting for Liquid Fuel-Fired Boilers and Heaters.** The Permittee shall report as follows:

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

10.1. In each operating report required by Condition 64, include

- a. the dates, EU ID(s), and results when an 18-minute opacity observation was greater than the applicable threshold criterion in Condition 8.1.
- b. a summary of the results of any PM testing conducted during the reporting period, and
- c. a summary of visible emissions observations conducted under Condition 8.

10.2. Report as excess emissions, in accordance with Condition 63, any time the results of a PM source test exceeds the PM emission standard stated in Condition 5.

10.3. For EU ID 7, report as set forth in Condition 42.6.b.

### **Sulfur Compound Emission Standards Requirements**

**11. Sulfur Compound Emissions.** In accordance with 18 AAC 50.055(c), the Permittee shall not cause or allow sulfur compound emissions, expressed as SO<sub>2</sub>, from EU ID(s) 1 through 5 and 7 to exceed 500 ppm averaged over three hours.

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

*For Fuel Oil<sup>1</sup> (EU ID(s) 1 through 5)*

### **Ambient Air Quality Protection**

**12. Sulfur Dioxide Requirements.** The Permittee shall comply with the following requirements to protect ambient air:

[Condition 8, Construction Permit No. 433CP01, Revision 1]

12.1. The total sulfur content of distillate fuel or distillate blends of Jet A, Fish oil, and used oil fuels burned in EU ID(s) 1 through 5 shall not exceed 0.23% by weight.

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<sup>1</sup> *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, effective 7/1/07.

- 12.2. The Permittee shall test each shipment of distillate fuel for sulfur content following an appropriate method listed in 18 AAC 50.035(b)-(c) and 40 C.F.R. 60.17 incorporated by reference in 18 AAC 50.040(a)(1), or shall obtain test results showing the sulfur content of the fuel from the supplier or refinery. The test results must include a statement signed by the supplier or refinery of the fuel they represent.
- 12.3. In each operating report under Condition 64, the Permittee shall attach a list of the fuel grades and fuel sulfur content of each distillate fuel shipment received at the facility during the reporting period;
- 12.4. If the sulfur content of any distillate fuel delivery exceeds the 0.23% by weight, than determine the fuel sulfur content of the blended fuel by calculating for each batch of blended fuel the weighted average percentage sulfur content of the fuel by using the formula:

$$[(\%BF * \%S_{BF}) + (\%DF * \%S_{DF})] / 100 = \text{total S \% by weight of the blend}$$

Where:

% BF = Percentage Blended Fuel (distillate) by weight

% S<sub>BF</sub> = Percentage Sulfur content of Blended Fuel by weight

% DF = Percentage Diesel Fuel by weight

% S<sub>DF</sub> = Percentage Sulfur content of Diesel Fuel by weight

% S = Percentage Sulfur by weight of the blend

- 12.5. Keep records of the sulfur contents of each shipment of distillate fuel(s), and all test results and calculations required under Condition 12.4. Submit copies of the fuel analysis records with the report required by Condition 64.

**13. Access Control Plan.** The Permittee shall follow the Access Control Plan.

[Condition 6, Construction Permit No. 433CP01, Revision 1]

**14. No Trespassing Signs.** The Permittee shall post and maintain No Trespassing Signs at regular intervals along the ambient air boundary, including the Facility access roadways and the perimeter of the property boundary

[Condition 7, Construction Permit No. 433CP01, Revision 1]

**15. Stack Parameters.** Modify and maintain the exhaust stacks for Source IDs 1 through 5 as follows:

- 15.1. Maintain individual flues for each source, but cluster the exits so that they are adjacent to each other.
- 15.2. Extend the height for each stack to at least 110 feet above ground level.
- 15.3. Build each stack with a maximum exit diameter of 24 inches.

- 15.4. No stack shall be equipped with a raincap or other device restricting vertical flow of exhaust gases.
- 15.5. Provide each stack with:
  - a. sampling ports that comport with 40 C.F.R. 60, Appendix A, Method 1, Section 2.1, and a stack or duct free of cyclonic flow at the port location during applicable test methods and procedures;
  - b. safe sampling platforms;
  - c. safe access to sampling platforms; and
  - d. utilities for emission sampling and testing equipment;

[Condition 9, Construction Permit No. 433CP01, Revision 1]

### **Best Available Control Technology**

#### **16. Nitrogen Dioxide BACT Requirements.**

[Condition 10, Construction Permit No. 433CP01, Revision 1]  
[40 CFR 71.6(a)(3)(B), 18 AAC 50.040(j)]

- 16.1. For EU ID(s) 1 through 3:
  - a. Limit continuous NO<sub>x</sub> emissions from each unit to no greater than 42.3 lb/hr, expressed as NO<sub>2</sub>, averaged over the duration of an emission performance test or averaged over any three consecutive hours.
  - b. Operate each engine with a low-NO<sub>x</sub> retrofit package with water injection (WI)<sup>2</sup>.
  - c. Operate each engine with a dedicated fuel and water flow meter, accurate to within 5 percent error. Submit a copy of the fuel and water meter calibration results with the source test results in accordance with Condition 16.1.d. Record fuel and water consumption at a consistent time once per day.
  - d. By March 19, 2014, conduct source tests for NO<sub>x</sub> and oxygen on each engine to ascertain compliance with the emission limit in Condition 16.1.a in accordance with the requirements set forth in Section 6 and as follows:
    - (i) Test each engine at no less than 5 different loads, (within the normal range of the engine) including the minimum load with WI and the peak load with WI. Alternative source testing at less than 5 loads, is subject to the Department's approval;
    - (ii) During the source test, monitor, record and report the engine's emissions opacity in accordance with Section 3;

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<sup>2</sup> The WI technology automatically activates when the engine load is greater than an estimated 50%. This condition requires that at all engine loads greater than 50%, WI shall be used. The exact operational range of the WI system shall be determined in the source test in Condition 16 and as recommended by the manufacturer.

- (iii) During the source test, monitor, record, and report each unit's load, electric generator production rate, fuel and water consumption (gal/hr) no less than once every five minutes;
  - (iv) Obtain for each distillate fuel or distillate blend the fuel specific High Heating Value (Gross Heat Value) or analyze a representative sample of the distillate fuel or blend in accordance with ASTM D 240, 4809 or 2382; and
  - (v) Determine the NO<sub>x</sub> emission rate, expressed as NO<sub>2</sub>, using exhaust properties determined by both Method 19 and exhaust gas measurements as set out in Section 6.
- e. Each day, calculate, record, and report the hourly average NO<sub>x</sub> emission rate for each source using the fuel specific NO<sub>x</sub> emission rate determined in the source test in Condition 16.1.d(v) and the hourly average fuel consumption rate in Condition 16.1.c. Indicate each source's hourly average water consumption.
- f. Continue to calibrate, certify, operate, and maintain in accordance with Condition 57, an extractive continuous oxides of nitrogen and oxygen emission monitoring system (CEMS) on the source exhaust stack if a performance test result (average of three run at given load) for any of EU ID(s) 1 through 3 is 38 lb/hr or greater. The Permittee shall continuously monitor and record fuel consumption with a fuel meter system accurate to less than 5 percent error dedicated to each unit. Compliance with Condition 16.1.a based upon three-hour average nitrogen oxide exhaust concentration measurements and the methodology set out in 40 C.F.R. 60, Appendix A, Method 19 as follows:

$$E = C_d F_d [20.9/[20.9 - O_{2d}]]$$

Where: E = NO<sub>x</sub> Emission Rate in ng/J (lb/MMBtu)  
C<sub>d</sub> = Concentration of dry NO<sub>x</sub> in ng/scm (lb/scf)  
F<sub>d</sub> = Fuel Factor on a dry basis, scm/J (scf/MMBtu)  
O<sub>2d</sub> = Percent Oxygen on a dry basis, %

Use F factors as determined by 40 C.F.R. 60 Appendix A, Method 19.

- g. Use the fuel F-factor for oil provided in 40 C.F.R. 60, Appendix A, Method 19, Table 19-2, or calculate the fuel F-factor using the procedures listed in 40 C.F.R. 60 Appendix A, Method 19, Part 12.3.2.1. Use the fuel specific High Heat Value from Condition 16.1.d(iv).
- h. Calculate for each three hour period the NO<sub>x</sub> emission rates (lb/hr) from the following formula:

$$ER = E * SH * F$$

Where: ER = Average NO<sub>x</sub> emission rate expressed as lb/hr  
SH = Fuel specific heat content in MMBtu/gal  
F = Average Fuel consumption expressed as gallons / hr.

- i. For EU ID(s) 1 through 3, the Permittee may develop and submit for Department approval a parametric monitoring program with quality assurance procedures to predict NO<sub>x</sub> emissions when CEMS is out-of-service or emission data are out-of-bounds with quality assurance procedures.
  - j. For any of the EU ID(s) 1 through 3, when CEMS is out of service for a longer period of 72 consecutive hours, or emission data are out-of-bounds with quality assurance procedures, use following approaches to estimate NO<sub>x</sub> emissions. Monitor the source's operating hours when CEMS is out of service/out-of-bounds. Estimate NO<sub>x</sub> emissions using the hours of operating and the maximum NO<sub>x</sub> emission rates for the three hour average load derived from historical three hour block duration to verify compliance.
  - k. If not required to install a CEMS, conduct a periodic NO<sub>x</sub> emission source test on each unit no less than once every five years in accordance with Condition 16.1.d.
  - l. If subject to Condition 16.1.f, attach to the operating report required by Condition 64, the NO<sub>x</sub> CEMS reports as set out in Condition 57. List a table of the highest 3-hour average NO<sub>x</sub> emission rate during each day of engine operation. Document the date, time, and duration for which the continuous monitoring system is out-of-bounds, not recording data, or inoperable. Report each periodic cylinder gas audit and Relative Accuracy Test Audit results for audits conducted in accord with 40 C.F.R. 60 Appendix F during the Facility operating report period
- 16.2. For EU ID(s) 4 and 5:
- a. Limit NO<sub>x</sub> emissions from each source to no greater than 4.4 lb/hr, expressed as NO<sub>2</sub>, averaged over the duration of an emission performance test or any three consecutive hours.
  - b. Operate each boiler with a low-NO<sub>x</sub> retrofit package.
  - c. Operate each boiler with dedicated certified fuel meters accurate to within five percent error. Submit a copy of the fuel meter calibration results with the source test results in accordance with Condition 16.2.d. Record fuel consumption at a consistent time once per day.
  - d. No later than March 20, 2011, conduct source tests for NO<sub>x</sub> and Oxygen on both units every two years until compliance with the emission limit in Condition 16.2.a has been achieved in accordance with the requirements set forth in Section 6 and as follows:
    - (i) Test the boiler at no less than 4 different loads, (within the normal range of the engine) including the minimum load and the peak load with;
    - (ii) During the source test, monitor, record and report the boiler opacity in accordance with Section 3;
    - (iii) During the source test, monitor, record, and report the unit's load, fuel consumption (gal/hr) no less than once every five minutes;

- (iv) Obtain for each distillate fuel, distillate blend, fish oil, or fish oil blend the fuel specific High Heating Value (Gross Heat Value) or analyze a representative sample of the used distillate fuel in accordance with ASTM D 240, 4809 or 2382; and
  - (v) Determine the NO<sub>x</sub> emission rate, expressed as NO<sub>2</sub>, using exhaust properties determined by both Method 19 and exhaust gas measurements as set out in Section 6.
  - (vi) Based on the source test results, the potential boiler emission rate may exceed the limit in Condition 16.2.a; then each day, calculate, record, and report the hourly average NO<sub>x</sub> emission rate for each source using the fuel specific NO<sub>x</sub> emission rate determined in the source test in Condition 16.1.d(iv) and the hourly average fuel consumption rate in Condition 16.1.c.
- e. Conduct a periodic NO<sub>x</sub> emission source test on the representative unit within 5 years of the latest performance test in accordance with Condition 16.2.d.

**17. Sulfur Dioxide BACT Requirements.**

[Condition 11, Construction Permit No. 433CP01, Revision 1]  
[40 CFR 71.6(a)(3)(B), 18 AAC 50.040(j)]

17.1. For EU ID(s) 1 through 5:

- a. The Permittee shall only burn fuel oil as described in Condition 12.1.
- b. Monitor, record, and report as set out by Condition 12.

**18. Particulate Matter Requirements.**

[Condition 12, Construction Permit No. 433CP01, Revision 1]

18.1. For EU ID(s) 1 through 5:

- a. Limit the opacity from EU ID(s) 1 through 5 as listed in Condition 5.
- b. Operate each source with good combustion practices.
- c. Monitor, record, and report as set out by Section 3.

### **Insignificant Emission Units**

- 19.** For EU ID 6 listed in Table A and for emission 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:
- 19.1. The Permittee shall not cause or allow visible emissions, excluding condensed water vapor, emitted from an industrial process, 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)]
- 19.2. 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)]
- 19.3. The Permittee shall not cause or allow sulfur compound emissions, expressed as SO<sub>2</sub>, from an industrial process or fuel-burning equipment, to exceed 500 ppm averaged over three hours.  
[18 AAC 50.055(c)]
- 19.4. General monitoring, record keeping and reporting for Insignificant Emission Units
- a. The Permittee shall submit the compliance certifications of Condition 65 based on reasonable inquiry for Condition 19;
  - b. The Permittee shall comply with the requirements of Condition 42;
  - c. The Permittee shall report in the operating report required by Condition 64 if an emission unit is insignificant because of actual emissions less than the thresholds of 18 AAC 50.326(e) and actual emissions become greater than any of those thresholds; and
  - d. No other monitoring, recordkeeping or reporting is required.  
[18 AAC 50.346(b)(4)]

## ***Section 4. Federal Requirements***

### **Emission Units Subject to Federal New Source Performance Standards (NSPS), Subpart A**

- 20. NSPS Subpart A Startup, Shutdown, & Malfunction Requirements.** The Permittee shall maintain records of the occurrence and duration of any start-up, shutdown, or malfunction in the operation of EU ID(s) 4 and 5, any malfunctions of associated air-pollution control equipment, or any periods during which a continuous monitoring system or monitoring device for EU ID(s) 4 and 5 is inoperative.

[18 AAC 50.040(a)(1)]  
[40 C.F.R. 60.7(b), Subpart A]

- 21. NSPS Subpart A Good Air Pollution Control Practice.** At all times, including periods of startup, shutdown, and malfunction, the Permittee shall, to the extent practicable, maintain and operate EU ID(s) 4 and 5 including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. The Administrator will determine whether acceptable operating and maintenance procedures are being used based on information available, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance records, and inspections of EU ID(s) 4 and 5.

[18 AAC 50.040(a)(1)]  
[40 C.F.R. 60.11(d), Subpart A]

- 22. NSPS Subpart A Credible Evidence.** For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of the standards set forth in Condition 24 nothing in 40 C.F.R. Part 60 shall preclude the use, including the exclusive use, of any credible evidence or information, relevant to whether EU ID(s) 4 - 5 would have been in compliance with applicable requirements of 40 C.F.R. Part 60 if the appropriate performance or compliance test or procedure had been performed.

[18 AAC 50.040(a)(1)]  
[40 C.F.R. 60.11(g), Subpart A]

- 23. NSPS Subpart A Concealment of Emissions.** The Permittee shall not build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of a standard set forth in Conditions 24. 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]

## Steam Generating Units Subject to NSPS Subpart Dc

- 24. NSPS Subpart Dc Sulfur Standards.** At all times, including periods of startup, shutdown, and malfunction, for EU ID(s) 4 and 5 the Permittee shall either emit less than 0.5 lb SO<sub>2</sub>/MMBtu of fuel combusted, or shall combust fuel oil that contains less than 0.5 percent sulfur by weight.

[18 AAC 50.040(a)(2)(D)]  
[40 C.F.R. 60.42c(d) & (i), Subpart Dc]

- 24.1. **Monitoring.** Compliance with the emission limits or fuel oil sulfur limits shall be determined based on a certification from the fuel supplier.

[40 C.F.R. 60.42c(h) & 60.44c(h), Subpart Dc]

- 24.2. **Recordkeeping and Reporting.** The Permittee shall keep records for a period of two years following the date of such records and submit reports to EPA, as follows:

[40 C.F.R. 60.48c(d) & (i), Subpart Dc]

- a. Include the calendar dates covered in the reporting period and a certified statement signed by the owner or operator of the affected facility that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.

[40 C.F.R. 60.48c(e)(1) & (11), Subpart Dc]

- b. For Distillate Fuel Oil. Fuel supplier certification shall include the following information:

- (i) the name of the oil supplier;
- (ii) a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 C.F.R. 60.41c; and
- (iii) the sulfur content or maximum sulfur content of the oil.

[40 C.F.R. 60.48c(f)(1), Subpart Dc]

- c. For Fish Oil Fuel, Fish Oil/Diesel/Jet A Blends. Test a representative sample of the fish oil or blended fuels once each calendar year for sulfur content. Ensure that the sample submitted for testing is representative of a blend ratio or tank in current actual use as fuel. For the representative sample, keep a record of the batch's constituents and blend ratios by volume. Ensure the test sample is submitted in accordance with methods specified in Condition 12.2 or follow an Alternative Monitoring Plan approved by EPA.

- d. For Residual Oil. Fuel supplier certification shall include the following information:

- (i) the name of the oil supplier;

- (ii) the location of the oil when the sample was drawn for analysis to determine the sulfur content of the oil, specifically including whether the oil was sampled as delivered to the affected facility, or whether the sample was drawn from oil in storage at the oil supplier's or oil refiner's facility, or other location;
  - (iii) the sulfur content of the oil from which the shipment came (or of the shipment itself); and
  - (iv) the method used to determine the sulfur content of the oil.
- [40 C.F.R. 60.48c(f)(2), Subpart Dc]
- e. Submit all reports required including any NSPS sulfur monitoring or referenced fuel under an Alternative Monitoring Plan for each six-month period, postmarked by the 30th day following the end of the reporting period.

[40 C.F.R. 60.48c(j), Subpart Dc]

**Reciprocating Internal Combustion Engines (RICE) Emission Units Subject to NESHAP Subpart ZZZZ, EU IDs 1 through 3**

- 25. NESHAP Subpart A.** 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 Subpart ZZZZ Table 8.

[18 AAC 50.040(c)(1)]  
[40 C.F.R. 63.6665, Subpart ZZZZ]

- 26. NESHAP Subpart ZZZZ Stationary Reciprocating Internal Combustion Engines.** The provisions of Conditions 26 - 30 are applicable to the Permittee as an owner and operator of an existing stationary reciprocating internal combustion engines (RICE) located at an area source of HAP emissions.

[18 AAC 50.040(j), and 18 AAC 50.040(c)(23)]  
[40 C.F.R. 63 Subpart ZZZZ]

26.1. Any stationary RICE for which construction or reconstruction is commenced after the date when your area source becomes a major source of HAP must be in compliance with Subpart ZZZZ upon startup of the affected source.

26.2. Any stationary RICE for which construction or reconstruction is commenced before your area source becomes a major source of HAP must be in compliance with the provisions of this subpart that are applicable to RICE located at major sources within 3 years after your area source becomes a major source of HAP.

[40 C.F.R. 63.6595(b)(1) and (2)]

26.3. An affected source must meet the applicable requirements no later than May 3, 2013.

[40 C.F.R. 63.6595(c)]

- 27. Management Practices:** EU IDs 1 through 3 must comply with the following management practices for existing compression ignition stationary RICE:

- 27.1. Change oil and filter every 1,000 hours of operation or annually, whichever comes first;
- 27.2. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first;
- 27.3. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

[40 C.F.R. 63.6603(b) and Table 2d Section (1)]

- 28.** At all times the Permittee shall operate and maintain EU IDs 1, 2 and 3 including any associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.

- 28.1. Operate and maintain EU IDs 1, 2 and 3 according to the manufacturer's emission-related operation and maintenance instructions or develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

[18 AAC 50.040(c)(23)]

[40 C.F.R. 63.6605 and 63.6640 Table 6 Section (9)]

- 29. Notifications.** The Permittee shall provide notification as set forth in 40 CFR 63.6645(a)(2) by the date specified for compliance in 40 CFR 63.6595(a)(1) and as in Condition 66.

[18 AAC 50.040(c)(23)]

[40 C.F.R. 63.6595(a)(1) and 63.6645(a)(2)]

- 30. Record Keeping.** The Permittee shall keep records as required under 40 CFR 63.6655(a)(1) through (a)(5), 63.6655(e)(3) and 40 CFR 63.6660.

[18 AAC 50.040(c)(23)]

[40 C.F.R. 63.6655 and 63.6660]

- 30.1. Submit copies of the records required with each operating report required by Condition 64 for the period covered by the report.

### **Risk Management Plan**

- 31. Chemical Accident Prevention Provisions.** The Permittee shall comply with the requirements of 40 CFR 68.

[18 AAC 50.040(j); 18 AAC 50.326(j)]

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

[40 C.F.R. 68]

- 31.1. The Permittee shall provide the department with copies of the Risk Management Plan required under 40 C.F.R. 68 Subpart G as follows:

- a. with the first operating report required in Condition 64 after issuance of this renewal operating permit.

- b. with the operating report required in Condition 64 following updates of the Risk Management Plan as required under 40 C.F.R. 68 Subpart G.

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

- 31.2. As part of the Annual Compliance Certification required by Condition 65, the Permittee shall certify compliance with all requirements of 40 C.F.R. 68 including the registration and submission of the Risk Management Plan.

[18 AAC 50.040(j) & 18 AAC 50.326(j)]  
[40 C.F.R. 71.6(a)(3)]  
[40 C.F.R. 68.215(a)(2)]

## ***Section 5. General Conditions***

### **Standard Terms and Conditions**

- 32.** 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)]
- 33.** 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)]
- 34.** 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)]
- 35. Administration Fees.** The Permittee shall pay to the Department all assessed permit administration fees. Administration fee rates are set out in 18 AAC 50.400-405.  
[18 AAC 50.326(j)(1), 50.400, 50.403, & 50.405]  
[AS 37.10.052(b); AS 46.14.240]
- 36. Assessable Emissions.** 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 assessable emission fee rate is set out in 18 AAC 50.410(b). The Department will assess fees per ton of each air pollutant that the stationary source emits or has the potential to emit in quantities greater than 10 tons per year. The quantity for which fees will be assessed is the lesser of
- 36.1. the stationary source's assessable potential to emit of 830 TPY; or
  - 36.2. the stationary source's projected annual rate of emissions that will occur from July 1 to the following June 30, based upon actual annual emissions emitted during the most recent calendar year or another 12-month period approved in writing by the Department, when demonstrated by
    - 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.
- [18 AAC 50.040(j)(3), 50.035, 50.326(j)(1), 50.346(b)(1), 50.410, & 50.420]  
[40 C.F.R. 71.5(c)(3)(ii)]

**37. Assessable Emission Estimates.** Emission fees will be assessed as follows:

- 37.1. no later than March 31 of each year, the Permittee may submit an estimate of the stationary source's assessable emissions to ADEC, Air Permits Program, ATTN: Assessable Emissions Estimate, 410 Willoughby Ave., Juneau, AK 99801-1795; the submittal must include all of the assumptions and calculations used to estimate the assessable emissions in sufficient detail so the Department can verify the estimates; or
- 37.2. if no estimate is submitted on or before March 31 of each year, emission fees for the next fiscal year will be based on the potential to emit set forth in Condition 36.1.

[18 AAC 50.040(j)(3), 50.326(j)(1), 50.346(b)(1), 50.410, & 50.420]  
[40 C.F.R. 71.5(c)(3)(ii)]

**38. Good Air Pollution Control Practice.** Except as noted in Condition 38.4, the Permittee shall do the following for EU ID(s) 1 through 3.

- 38.1. perform regular maintenance considering the manufacturer's or the operator's maintenance procedures;
- 38.2. keep records of any maintenance that would have a significant effect on emissions; the records may be kept in electronic format; and
- 38.3. keep a copy of either the manufacturer's or the operator's maintenance procedures.
- 38.4. EU IDs 1, 2, and 3 are subject to this condition only until the applicable compliance date as set forth in Condition 26.3.

[18 AAC 50.030, 50.326(j)(3), & 50.346(b)(5)]

**39. 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)]

**40. 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), 50.040(e), 50.326(j)(3), & 50.346(c)]

- 40.1. The Permittee shall keep records of
  - a. complaints received by the Permittee and complaints received by the Department and conveyed to the Permittee; and
  - b. any additional precautions that are taken
    - (i) to address complaints described in Condition 40.1 or to address the results of Department inspections that found potential problems; and

(ii) to prevent future dust problems.

40.2. The Permittee shall report according to Condition 42.

**41. 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 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)]

**42. 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 50.110, 50.040(e), 50.326(j)(3), & 50.346(a)]  
[40 C.F.R. 71.6(a)(3)]

42.1. Monitoring, Recordkeeping, and Reporting for Condition 42

- a. If emissions present a potential threat to human health or safety, the Permittee shall report any such emissions according to Condition 63.
- b. 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 42.

42.2. The Permittee shall initiate and complete corrective action necessary to eliminate any violation identified by a complaint or investigation as soon as practicable if

- a. 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 42; or
- b. the Department notifies the Permittee that it has found a violation of Condition 42.

42.3. 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 42; and
- d. any corrective actions taken or planned for complaints attributable to emissions from the stationary source.

42.4. With each stationary source operating report under Condition 64, the Permittee shall include a brief summary report which must include

- a. the number of complaints received;

- b. the number of times the Permittee or the Department found corrective action necessary;
  - c. the number of times action was taken on a complaint within 24 hours; and
  - d. the status of corrective actions the Permittee or Department found necessary that were not taken within 24 hours.
- 42.5. 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.
- 42.6. Operate the meal dryer evaporator emission controls (seawater scrubber system) at any time the fish meal plant evaporator system is in operation.
- a. Keep records of evaporator system operations and scrubber system operations listing the dates and times the plant and system are in operation.
  - b. Report as a permit deviation for any event during which scrubber system is not operating concurrently with the meal dryer evaporator system.
- 43. Technology-Based Emission Standard.** If an unavoidable emergency, malfunction, or non-routine repair, as defined in 18 AAC 50.235(d), causes emissions in excess of a technology-based emission standard<sup>3</sup> listed in Conditions 24 and 45 (refrigerants) the Permittee shall take all reasonable steps to minimize levels of emissions that exceed the standard. Excess emissions reporting under Condition 63 requires information on the steps taken to minimize emissions. Monitoring of compliance for this condition consists of the report required under Condition 63.
- [18 AAC 50.235(a), 50.326(j)(4), & 50.040(j)(4)]  
[40 C.F.R. 71.6(c)(6)]
- 44. Asbestos NESHAP.** The Permittee shall comply with the requirements set forth in 40 C.F.R. 61.145, 61.150, and 61.152 of Subpart M, and the applicable sections set forth in 40 C.F.R. 61, Subpart A and Appendix A.
- [18 AAC 50.040(b)(1) & (2)(F), & 50.326(j)]  
[40 C.F.R. 61, Subparts A & M, and Appendix A]
- 45. Refrigerant Recycling and Disposal.** The Permittee shall comply with the 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]

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<sup>3</sup> *Technology-based emission standard* means a best available control technology standard (BACT); a lowest achievable emission rate standard (LAER); a maximum achievable control technology 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.

## NESHAPs Applicability Determinations

**46.** The Permittee shall determine rule applicability and designation of affected sources under National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Source Categories (40 C.F.R. 63) in accordance with the procedures described in 40 C.F.R. 63.1(b) and 63.10(b)(3). If a source becomes affected by an applicable subpart of 40 C.F.R. 63, the Permittee 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).

46.1. After the effective date of any relevant standard promulgated by the Administrator under this part, an owner or operator who constructs a new affected source that is not major-emitting or reconstructs an affected source that is not major-emitting that is subject to such standard, or reconstructs a source such that the source becomes an affected source subject to the standard, must notify the Administrator and the Department of the intended construction or reconstruction. The notification must be submitted in accordance with the procedures in §63.9(b).

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

## Open Burning Requirements

**47. Open Burning.** If the Permittee conducts open burning at this stationary source, the Permittee shall comply with the requirements of 18 AAC 50.065.

47.1. The Permittee shall keep written records to demonstrate that the Permittee complies with the limitations in this condition and the requirements of 18 AAC 50.065. Upon request by the Department, submit copies of the records.

47.2. Compliance with this condition shall be an annual certification conducted under Condition 65.

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

## ***Section 6. General Source Testing and Monitoring Requirements***

- 48. 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)]
- 49. Operating Conditions.** Unless otherwise specified by an applicable requirement or test method, the Permittee shall conduct source testing  
[18 AAC 50.220(b)]
- 49.1. at a point or points that characterize the actual discharge into the ambient air; and
- 49.2. at the maximum rated burning or operating capacity of the emission unit or another rate determined by the Department to characterize the actual discharge into the ambient air.
- 50. Reference Test Methods.** The Permittee shall use the following as reference test methods when conducting source testing for compliance with this permit:
- 50.1. 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]
- 50.2. 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 and may use the form in Section 11 to record data.  
[18 AAC 50.030 & 50.220(c)(1)(D)]
- 50.3. 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]
- 50.4. Source testing for emissions of PM-10 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]
- 50.5. 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)(24) & 50.220(c)(2)]  
[40 C.F.R. 63, Appendix A, Method 301]

**51. 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 emission 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)]

**52. Test Exemption.** The Permittee is not required to comply with Conditions 54, 55 and 56 when the exhaust is observed for visible emissions by Method 9 Plan (Condition 2.1) or Smoke/No Smoke Plan (Condition 2.2).

[18 AAC 50.345(a)]

**53. 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)]

**54. Test Plans.** Except as provided in Condition 52, 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 emission 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 48 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 performed without resubmitting the plan.

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

**55. Test Notification.** Except as provided in Condition 52, 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)]

**56. Test Reports.** Except as provided in Condition 52, within 60 days after completing a source test, the Permittee shall submit two copies 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 additionally certify the results in the manner set out in Condition 60. 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)]

**57. Continuous Monitoring Systems.** If required by terms and conditions of this permit, install, calibrate, conduct applicable continuous monitoring system performance specification tests listed in 40 C.F.R. 60, Appendix B, effective July 1, 1997, and certify test results; operate; and maintain air contaminant emissions and process monitoring equipment on the sources as described herein. For EU ID(s) 1 through 5 submit no later than 60 days after the listed expiration date of this permit the monitoring equipment siting, operating, maintenance plans, and procedures for approval by the Department.

For continuous emission monitoring systems, comply with each applicable monitoring system requirement, as listed in 40 C.F.R. 60.13, 60.19, 40 C.F.R. 60, Appendix A, Method 19, Appendix B, Performance Specifications 2 and 6, and Appendix F, and the *EPA Quality Assurance Handbook For Air Pollution Measurements Systems*, EPA/600/R094/038b, effective July 1, 1997. Attach to the Facility Operating Report required by Condition 64.1) a copy of each quarterly continuous emission monitoring system data assessment report for Quality Assurance Procedures conducted in accordance with 40 C.F.R. 60, Appendix F; and 2) a copy of each quarterly monitoring system's performance report in accordance with 40 C.F.R. 60.7.

[18 AAC 50.320(a)(2)]

**58. Particulate Matter Calculations.** In source testing for compliance with the particulate matter standards in Condition 5, the three-hour average is determined using the average of three one-hour test runs. The source testing must account for those emissions caused by soot blowing, grate cleaning, or other routine maintenance activities by ensuring that at least one test run includes the emissions caused by the routine maintenance activity and is conducted under conditions that lead to representative emissions from that activity. The emissions must be quantified using the following equation:

$$E = E_M \left[ (A+B) \times \frac{S}{R \times A} \right] + E_{NM} \left[ \frac{R-S}{R} - B \times \frac{S}{R \times S} \right]$$

Where:

- E = the total PM emissions of the emission unit in grains per dry standard cubic foot ((gr.)/dscf)
- EM = the PM emissions in (gr.)/dscf measured during the test that included the routine maintenance activity
- ENM = the arithmetic average of PM emissions in (gr.)/dscf measured during the test runs that did not include the maintenance activity
- A = the period of routine maintenance activity occurring during the test run that included routine maintenance activity, expressed to the nearest hundredth of an hour
- B = the total period of the test run, less A
- R = the maximum period of emission unit operation per 24 hours, expressed to the nearest hundredth of an hour
- S = the maximum period of routine maintenance activity per 24 hours, expressed to the nearest hundredth of an hour

[18 AAC 50.220(f)]

## ***Section 7. General Recordkeeping and Reporting Requirements***

### **Recordkeeping Requirements**

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

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

- 59.1. copies of all reports and certifications submitted pursuant to this section of the permit; and
- 59.2. 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.

### **Reporting Requirements**

- 60. 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.

- 60.1. The Department may accept an electronic signature on an electronic application or other electronic record required by the Department if
  - a. a certifying authority registered under AS 09.25.510 verifies that the electronic signature is authentic; and
  - b. the person providing the electronic signature has made an agreement, with the certifying authority described in Condition 60.1.a, that the person accepts or agrees to be bound by an electronic record executed or adopted with that signature.

[18 AAC 50.345(a) & (j), 50.205, & 50.326(j)]  
[40 C.F.R. 71.6(a)(3)(iii)(A)]

**61. Submittals.** Unless otherwise directed by the Department or this permit, the Permittee shall send an original and one copy of reports, compliance certifications, and other submittals required by this permit to ADEC, Air Permits Program, 610 University Ave., Fairbanks, AK 99709-3643, ATTN: Compliance Technician. The Permittee may, upon consultation with the Compliance Technician regarding software compatibility, provide electronic copies of data reports, emission source test reports, or other records under a cover letter certified in accordance with Condition 60.

[18 AAC 50.326(j)]  
[40 C.F.R. 71.6(a)(3)(iii)(A)]

**62. 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)]

**63. Excess Emissions and Permit Deviation Reports.**

63.1. Except as provided in Condition 42, the Permittee shall report all emissions or operations that exceed or deviate from the requirements of this permit as follows:

- a. in accordance with 18 AAC 50.240(c), as soon as possible after the event commenced or is discovered, report
  - (i) 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 non routine repair that causes emissions in excess of a technology based emission standard;
- c. report all other excess emissions and permit deviations
  - (i) within 30 days of the end of the month in which the emissions or deviation occurs, except as provided in Conditions 63.1.c(ii) and 63.1.c(iii);
  - (ii) if a continuous or recurring excess emissions is not corrected within 48 hours of discovery, within 72 hours of discovery unless the Department provides written permission to report under Condition 63.1.c(i); and
  - (iii) for failure to monitor, as required in other applicable conditions of this permit.

63.2. When reporting excess emissions or permit deviations, the Permittee must report using either the Department's on-line form, which can be found at <http://www.dec.state.ak.us/air/ap/site.htm> or <https://myalaska.state.ak.us/deca/air/airtoolsweb/>, or if the Permittee prefers, the form contained in Section 12 of this permit. The Permittee must provide all information called for by the form that is used.

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

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

**64. Operating Reports.** During the life of this permit<sup>4</sup>, the Permittee shall submit to the Department an original and one copy of an operating report 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.

64.1. The operating report must include all information required to be in operating reports by other conditions of this permit. The Permittee may, upon consultation with the Compliance Technician regarding software compatibility, provide electronic copies of data reports, emission source test reports, or other records under a cover letter certified in accordance with Departmental submission requirements

64.2. If excess emissions or permit deviations that occurred during the reporting period are not reported under Condition 64.1, either

a. The Permittee shall identify

(i) the date of the deviation;

(ii) the equipment involved;

(iii) the permit condition affected;

(iv) a description of the excess emissions or permit deviation; and

(v) any corrective action or preventive measures taken and the date of such actions; or

b. When excess emissions or permit deviations have already been reported under Condition 63 the Permittee shall cite the date or dates of those reports.

64.3. The operating report must include a listing of emissions monitored under Conditions 2.1.e and 2.2.c which trigger additional testing or monitoring, whether or not the emissions monitored exceed an emission standard. The Permittee shall include in the report.

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<sup>4</sup> *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.

- 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.

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

[18 AAC 50.346(a) & 50.326(j)]  
[40 C.F.R. 71.6(a)(3)(iii)(A)]

**65. Annual Compliance Certification.** Each year by March 31, the Permittee shall compile and submit to the Department an original and one copy of an annual compliance certification report<sup>5</sup>. The Permittee, at their discretion, may submit one copy in electronic format (PDF or other Department compatible image format).

65.1. 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;

65.2. 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.

65.3. In addition, submit a copy of the report directly to the EPA-Region 10, Office of Air Quality, M/S OAQ-107, 1200 Sixth Avenue, Seattle, WA 98101.

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

**66. NSPS and NESHAP Reports.** The Permittee shall:

66.1. attach to the facility operating report required by Condition 64, a copy of any NSPS and NESHAPs reports submitted to the U.S. Environmental Protection Agency (EPA) Region 10; and

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<sup>5</sup> See Condition 65.2 for clarification on the number of reports required.

- 66.2. upon request by the Department, notify and 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.

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

[40 C.F.R. 60.13]

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

## ***Section 8. Permit Changes and Renewal***

**67. Permit Applications and Submittals.** The Permittee shall comply with the following requirements for submitting application information to the EPA Region 10:

- 67.1. 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<sup>6</sup>;
- 67.2. The information shall be submitted to the same address as in Condition 65.3.
- 67.3. 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
- 67.4. The Permittee shall maintain records as necessary to demonstrate compliance with this condition.

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

**68. 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)]  
[40 C.F.R. 71.6(a)(8)]

**69. 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. Part 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:

- 69.1. Each such change shall meet all applicable requirements and shall not violate any existing permit term or condition;
- 69.2. 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;
- 69.3. The change shall not qualify for the shield under 40 C.F.R. 71.6(f);

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<sup>6</sup> The documents required in Condition 67.1 are submitted to the Department's Anchorage office. The current address for the Anchorage office is: ADEC, 619 East Ship Creek, Suite 249, Anchorage, AK 99501.

- 69.4. The Permittee shall keep a record describing changes made at the 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)]  
[40 C.F.R. 71.6(a)(12)]

- 70. Operational Flexibility.** The Permittee may make 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):

- 70.1. The Permittee shall provide EPA and the Department with a notification no less than 7 days in advance of the proposed change.
- 70.2. For each such change, the written notification required above 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.
- 70.3. The permit shield described in 40 C.F.R. 71.6(f) shall not apply to any change made pursuant to Condition 70.

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

- 71. Permit Renewal.** To renew this permit, the Permittee shall submit an application under 18 AAC 50.326 no sooner than [**18 months before**] and no later than [**6 months before the expiration date of this Five Years**]. The renewal application shall be complete before the permit expiration date listed on the cover page of this permit. Permit expiration terminates the 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)(2) & (j)(2)]  
[40 C.F.R. 71.5(a)(1)(iii) & 71.7(b) & (c)(1)(ii)]

## ***Section 9. Compliance Requirements***

### **General Compliance Requirements**

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

72.1. included and specifically identified in the permit; or

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

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

**73.** The Permittee must comply with each permit term and condition.

73.1. For applicable requirements with which the stationary source is in compliance, the Permittee will continue to comply with such requirements

73.2. Noncompliance with a permit term or condition constitutes a violation of AS 46.14.120(c), 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

a. an enforcement action;

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

c. denial of an operating permit renewal application.

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

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

**74.** 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)]

**75.** 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

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

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

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

75.4. 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)]

## **Compliance Schedule**

- 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)]

### ***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.

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

- 77.1. The provisions of Section 303 of the Act (emergency orders), including the authority of the Administrator under that section; or
- 77.2. 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 50.326(j)]  
[40 C.F.R. 71.6(f)(3)(i) & (ii)]

**78.** The sub-condition below identifies the emission units that are not subject to the specified requirements at the time of permit issuance. If any of the requirements listed in Condition 78.1 becomes applicable during the permit term, the Permittee shall comply with such requirements on a timely basis including, but not limited to, providing appropriate notification to EPA, obtaining a construction permit and/or an operating permit revision.

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

- 78.1. The Department has determined that EU ID(s) T1 through T3 are not subject to the requirements set forth in 40 C.F.R. 60 Subpart Kb. This determination is based upon certification by the Permittee that EU ID(s) T1 through T3 rated capacity are less than 75 m<sup>3</sup> with a maximum true vapor pressure less than 15.0 kPa.

**Section 11. Visible Emissions Forms**

**Visible Emissions Field Data Sheet**

Certified Observer: \_\_\_\_\_

Company &  
 Stationary  
 Source: \_\_\_\_\_

Location: \_\_\_\_\_

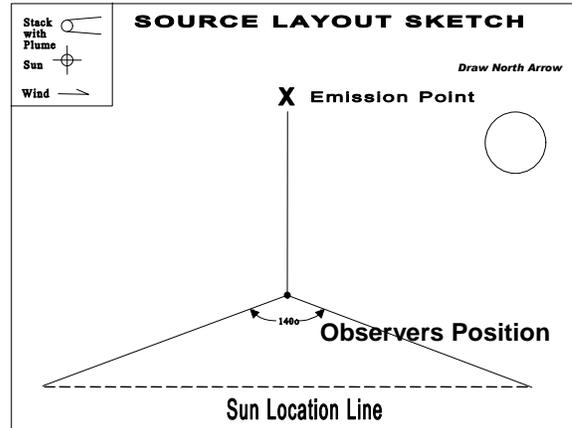
Test No.: \_\_\_\_\_ Date: \_\_\_\_\_

Emission Unit: \_\_\_\_\_

Production Rate/Operating  
 Rate: \_\_\_\_\_

Unit Operating Hours: \_\_\_\_\_

Hrs. of observation: \_\_\_\_\_



Clock Time	Initial				Final
Observer location					
Distance to discharge					
Direction from discharge					
Height of observer point					
Background description					
Weather conditions					
Wind Direction					
Wind speed					
Ambient Temperature					
Relative humidity					
Sky conditions: (clear, overcast, % clouds, etc.)					
Plume description:					
Color					
Distance visible					
Water droplet plume? (Attached or detached?)					
Other information					



**Section 12. ADEC Notification Form<sup>7</sup>**

Westward Dutch Harbor Seafood Processing Facility

AQ0433TVP02

**Stationary Source Name**

**Air Quality Permit No.**

Westward Seafoods, Inc.

**Company Name**

**Date**

**When did you discover the Excess Emissions/Permit Deviation?**

Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_

Time: \_\_\_\_ : / \_\_\_\_

**When did the event/deviation occur?**

Begin Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_

Time: \_\_\_\_ : \_\_\_\_ (Use 24-hr clock.)

End Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_

Time: \_\_\_\_ : \_\_\_\_ (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
- Deviation from Permit Condition – Complete Section 2 and Certify
- Deviations from COBC, CO, or Settlement Agreement – Complete Section 2 and Certify

**Section 1. Excess Emissions**

(a) Was the exceedance:  Intermittent or  Continuous

(b) Cause of Event (Check one that applies):

- Start Up/Shut Down  Natural Cause (weather/earthquake/flood)
- Control Equipment Failure  Schedule Maintenance/Equipment Adjustment
- 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.

(d) Emissions Units Involved:

Identify the emission unit 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 Exceeded/Limit/Potential Exceedance

<sup>7</sup> Revised as of August 20, 2008.

(e) Type of Incident (please check only one):

- Opacity \_\_\_\_\_ %     
  Venting \_\_\_\_\_ gas/scf     
  Control Equipment Down  
 Fugitive Emissions     
  Emission Limit Exceeded     
  Other \_\_\_\_\_  
 Marine Vessel Opacity     
  Flaring \_\_\_\_\_

(f) Unavoidable Emissions:

Do you intend to assert that these excess emissions were unavoidable?       Yes       No

Do you intend to assert the affirmative defense of 18 AAC 50.235?       Yes       No

*Certify Report (Go to end of form.)*

**Section 2. Permit Deviations**

(a) Permit Deviation Type (check only one box, corresponding with the section in the permit):

- Emission Unit-Specific       Generally Applicable Requirements  
 Failure to Monitor/Report       Reporting/Monitoring for Diesel Engines  
 General Source Test/Monitoring Requirements       Recordkeeping Failure  
 Recording/Reporting/Compliance Certification       Insignificant Emission Unit  
 Standard Conditions Not Included in the Permit       Stationary Source Wide  
 Other Section: \_\_\_\_\_ (Title of section and section number of your permit).

(b) Emission Unit Involved:

Identify the emission unit involved in the event, using the same identification number and name as in the permit. List the corresponding permit conditions 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.

(d) Corrective Actions:

Describe actions taken to correct the deviation or potential deviation and to prevent future recurrence.

**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)*

**To Submit this Report:**

Fax to: 907-451-2187

Or

Email to: [DEC.AQ.Airreports@alaska.gov](mailto:DEC.AQ.Airreports@alaska.gov)

*If faxed or emailed, the report must be certified within the Operating Report required for the same reporting period per Condition 64.*

Or

Mail to: ADEC  
Air Permits Program  
610 University Avenue  
Fairbanks, AK 99709-3643

Or

Phone Notification: 907-451-5173

*Phone notifications require a written follow-up report.*

Or

Submission of information contained in this report can be made electronically at the following website:

<https://myalaska.state.ak.us/deca/air/airtoolsweb/>

*If submitted online, report must be submitted by an authorized E-Signer for the stationary source.*

[18 AAC 50.346(b)(3)]