

**DEPARTMENT OF ENVIRONMENTAL  
CONSERVATION**

**Standard Permit Condition I – Emission Fees**

**Permit Condition for Air Quality Permits  
Adopted by Reference in 18 AAC 50.346**

**April 1, 2002**

**REVISED {adoption date of regulations}  
[SEPTEMBER 27, 2010]**

## Standard Permit Condition I – Emission Fees

**Stationary Source Categories This Condition Applies to:** All stationary source types. Standard permit condition I does not apply if the stationary source does not have a potential to emit an assessable amount of any air pollutant.

The department will use standard permit condition I in any construction permit or operating permit unless the department determines that the emission unit or stationary source specific conditions more adequately meet the requirements of 18 AAC 50.

### **Circumstances where emission unit or stationary source specific conditions more adequately meet 18 AAC 50 include:**

1. if there is a stationary source specific reason that some other submission date for projected actual emissions is more appropriate; the submission date must still allow the department to review the calculations and complete billing before July 1.

### **Permit Wording:**

1. **Assessable Emissions.** The permittee shall pay to the department annual emission fees 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. 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 **or greater**. The quantity for which fees will be assessed is the lesser of
  - 1.1 the stationary source's assessable potential to emit of \_\_\_\_\_ tpy; or
  - 1.2 the stationary source's projected annual rate of emissions that will occur from July 1 to the following June 30, based upon **credible evidence of** actual annual emissions emitted during the most recent calendar year or another 12 month period approved in writing by the department, when demonstrated by **the most representative 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.

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

- 2.1 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, Ste 303, P.O. 111800 Juneau, Alaska 99811-1800; 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
- 2.2 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 out in condition I.1.1.

**The following applies to this standard permit condition:**

- 1 Condition I.1.1 must show the total potential to emit of all pollutants emitted in assessable amounts. Listing the potential to emit of each pollutant separately is optional.
- 2 Assessable emissions include any air pollutant as identified in the applicable portions of 18 AAC 50.410, whether or not there is a limit in the permit for that air pollutant.
- 3 Assessable emissions do not double count any emissions. For example, benzene, which is a VOC, is not counted a second time because it is a hazardous air pollutant.
- 4 For non-major stationary sources that only need a permit because they have an emission unit subject to EPA's *National Emission Standards for Hazardous Air Pollutants* or *New Source Performance Standards* only the emissions from the emission unit subject to the emission standards are counted as assessable emissions.

**DEPARTMENT OF ENVIRONMENTAL  
CONSERVATION**

**Standard Operating Permit Condition VII – Operating  
Reports**

**Permit Condition for Air Quality Permits  
Adopted by Reference in 18 AAC 50.346**

**August 25, 2004**

**Revised {adoption date of regulations} [SEPTEMBER 27, 2010]**

## Standard Operating Permit Condition VII – Operating Reports

**Stationary Source Categories This Condition Applies to:** All stationary source types.

The department will use standard permit condition VII in any operating permit unless the department determines that emission unit or stationary source specific conditions more adequately meet the requirements of 18 AAC 50.

**Circumstances where emission unit or stationary source specific conditions more adequately meet 18 AAC 50 include:**

1. reports are needed more frequently than twice a year;
2. activity of the emission unit is seasonal, and different semi-annual periods better fit the facility's operation.

**Permit Wording:**

1. **Operating Reports.** During the life of this permit<sup>1</sup>, the permittee shall submit [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 *<or a revised (e.g. quarterly) schedule may be implemented at the request of the applicant>*.
  - 1.1 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.
  - 1.2 When excess emissions or permit deviations that occurred during the reporting period are not included with the operating report under condition VII.1.1, the permittee shall identify
    - a. the date of the deviation;
    - b. the equipment involved;
    - c. the permit condition affected;
    - 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
  - 1.3 when excess emissions or permit deviations have already been reported under condition *<insert standard permit condition concerning excess emissions and permit deviation reports number>*, the permittee shall cite the date or dates of those reports.

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<sup>1</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.

1.4 The operating report must include, for the period covered by the report, a listing of emissions monitored under condition(s) *<insert applicable condition number(s) from this permit>* 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.

1.5 **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.

**The following applies to this standard permit condition:**

1. The permit will include condition VII.1.4 only if there are monitoring requirements that could trigger additional monitoring or testing.
2. The reporting schedule may be modified to allow for quarterly reporting as a permittee-specific condition.
3. Condition VII.1.5 should not be used for initial Title V permits.

## STATEMENT OF BASIS FOR THE PERMIT CONDITIONS

The state and federal regulations for each Condition are cited in Operating Permit No. *<Insert Operating Permit Number>*.

Condition *<insert Condition reference>*, Operating Reports

**Applicability:** Applies to all permits.

**Factual Basis:** The condition restates the requirements for reports listed in regulation. The condition supplements the specific reporting requirements elsewhere in the permit. The reports themselves provide monitoring for compliance with this condition.

*<Include the following paragraph in the Statement of Basis for renewal Title V permits only.>* For renewal permits, the condition specifies that for the transition periods between an expiring permit and a renewal permit the permittee shall ensure that there is date-to-date continuity between the expired permit and the renewal permit such that the permittee reports against the permit terms and conditions of the permit that was in effect during those partial date periods of the transition. No format is specified. The permittee may provide one report accounting for each permit term or condition and the effective permit at that time. Alternatively, the permittee may chose to provide two reports – one accounting for reporting elements of permit terms and conditions from the end date of the previous operating report until the date of expiration of the old permit, and a second operating report accounting for reporting elements of terms and conditions in effect from the effective date of the renewal permit until the end of the reporting period.

**DEPARTMENT OF ENVIRONMENTAL  
CONSERVATION**

**Standard Permit Condition XV – Emission Inventory  
Reporting**

**Permit Condition for Air Quality Permits  
Adopted by Reference in 18 AAC 50.346**

**September 27, 2010**

**REVISED {adoption date of regulations}**

## Standard Permit Condition XV – Emission Inventory Reporting

**Stationary Source Categories This Condition Applies to:** All stationary sources defined as point sources in 40 C.F.R. [CFR] 51.20.

### Permit Wording:

1. **Emission Inventory Reporting.** The Permittee shall submit to the Department reports of actual emissions, by emission unit, of CO, NH<sub>3</sub>, NO<sub>x</sub>, PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, VOCs and Lead (Pb) (and lead compounds) using the form in Section <insert permit section number> of this permit, as follows:
  - 1.1. Each year by March 31, if the stationary source's potential to emit [EMISSIONS] for the previous calendar year **equals or exceeds**:
    - a. [EQUAL OR EXCEED] 250 tons per year (TPY) of NH<sub>3</sub>, PM<sub>10</sub>, PM<sub>2.5</sub> or VOCs; or
    - b. [EQUAL OR EXCEED] 2500 TPY of CO, NO<sub>x</sub> or SO<sub>2</sub>.
  - 1.2. Every third year by March 31 if the stationary source's potential to emit [EMISSIONS] for the previous calendar year **equals** or exceeds:
    - a. 5 tons per year of **actual** lead (Pb), **or**
    - b. 1000 TPY of CO; or
    - c. 100 TPY of SO<sub>2</sub>, NH<sub>3</sub>, PM<sub>10</sub>, PM<sub>2.5</sub>, NO<sub>x</sub> or VOCs.
  - 1.3. **For reporting under Condition 1.2,** the [THE] Permittee shall **report** [commence reporting] in [2012 FOR THE CALENDAR YEAR OF 2011,] 2015 for calendar year 2014, **2018 for calendar year 2017, 2021 for calendar year 2020, etc., in accordance with the Environmental Protection Agency set schedule.**
  - 1.4. Include in the report required by this condition, the required data elements contained within the form in <insert section of emission inventory form> or those contained in Table 2A of Appendix A to Subpart A of 40 C.F.R. [CFR] 51 [(FINAL RULE PUBLISHED IN 73 FR 76556 (DECEMBER 17, 2008))] for each stack associated with an emission unit.

[18 AAC 50.346(b)(8) and 18 AAC 50.200]

[40 CFR 51.15, 51.30(a)(1) & (b)(1) and 40 CFR 51, Appendix A to Subpart A, [73 FR 76556 (12/17/08)]]

## STATEMENT OF BASIS FOR THE PERMIT CONDITIONS

The State and Federal regulations for each Condition are cited in Operating Permit No. *<Insert Operating Permit Number>*.

### Condition *<insert condition reference>*, Emission Inventory Reporting

**Legal Basis:** This condition requires the Permittee to submit emissions data to the State to satisfy the federal requirement to submit emission inventory data from point sources as required under 40 C.F.R. [CFR] 51.321 [(6/10/02)]. It applies to sources defined as point sources in 40 C.F.R. [CFR] 51.20. The State must report all data elements in Table 2A of Appendix A to Subpart A of 40 C.F.R. [CFR] 51 to EPA [(73 FR 76556)].

**Factual Basis:** The emission inventory data is due to EPA 12 months after the end of the reporting year (40 C.F.R. [CFR] 51.30(a)(1) and (b)(1), 12/17/08). A due date of March 31 corresponds with sources reporting actual emissions for assessable emissions purposes and provides the Department sufficient time to enter the data into EPA's electronic reporting system.

The air emissions reporting requirements under 40 C.F.R. [CFR] Part 51, Subpart A apply to States; however, States rely on information provided by point sources to meet the reporting requirements of Part 51 Subpart A. In the past, the department has made information requests to point sources, to which the point source is obligated to reply under 18 AAC 50.200. The information requests occur on a routine basis as established by Part 51 Subpart A and consume significant staff resources. To increase governmental efficiency and reduce costs associated with information requests that occur on a routine basis, it has been determined that a standard permit condition best fulfills the need to gather the information needed to satisfy the requirements of Subpart A of 40 C.F.R. [CFR] 51.

To ensure that the Department's electronic system reports complete information to the National Emissions Inventory, Title V stationary sources classified as Type A in Table 1 of Appendix A to Subpart A of 40 C.F.R. [CFR] 51 are required to submit with each annual report all the data elements required for the Type B source triennial reports (see also Table 2A of Appendix A to Subpart A of 40 C.F.R. [CFR Part] 51). All Type A sources are also classified as Type B sources. However the Department [DEPARTMENT] has streamlined the reporting requirements so Type A sources only need to submit a single type of report every year instead of both an annual report and a separate triennial report every third year.

**DEPARTMENT OF ENVIRONMENTAL  
CONSERVATION**

**Standard Permit Condition XVI – Emission Inventory  
Reporting Form**

**Permit Condition for Air Quality Permits  
Adopted by Reference in 18 AAC 50.346**

**September 27, 2010**

**REVISED {adoption date of regulations}**

# ADEC Reporting Form

Emission Inventory Reporting

State of Alaska Department of Environmental Conservation

Division of Air Quality

## Emission Inventory Year- [ ]

Mandatory information is highlighted.

Stationary Source Detail	
<b>Inventory Start Date</b>	
<b>Inventory End Date</b>	
<b>ADEC ID or Permit Number</b>	
<b>EPA ID</b>	
<b>Census Area/Community</b>	
<b>Facility Name</b>	
<b>Facility Physical Location</b>	<b>Address</b>
	<b>City, State, Zip Code</b>
	<b>Latitude</b>   <b>Longitude</b>
	<b>Legal Description:</b>
<b>Owner Name &amp; Address &amp; contact number</b>	<b>Owner Name</b>
	<b>Owner Address</b>
	<b>Phone number</b>
<b>Mailing Contact Information</b>	<b>Mailing Address</b>
<b>Line of Business (NAICS)</b>	
<b>Line of Business (SIC)</b>	
<b>Facility Status</b>	

Emission Unit Data			
<b>Specifications</b>			
<b>ID</b>		<b>Design Capacity</b>	
<b>Description</b>			
<b>Emission Unit Status</b>			
<b>Manufacturer</b>		<b>Manufactured Year</b>	
<b>Model Number</b>		<b>Serial Number</b>	
<b>Regulations</b>			
<b>Regulation/Description</b>			

Control Equipment (List All if applicable)			
<b>ID</b>			
<b>System Description</b>			
<b>Equipment Type(s)</b>			
<b>Manufacturer</b>			
<b>Model</b>			
<b>Control Efficiency (%):</b>			
<b>Capture Efficiency (%)</b>			
<b>Pollutants Controlled</b>		<b>Reduction Efficiency (%)</b>	
		<b>Reduction Efficiency (%)</b>	

Processes					
<b>Process</b>		<b>Primary Process</b>			
<b>SCC Code</b>		(example: 20100201)			
		>			
		>			
		>			
		>			
<b>Material Processed</b>					
<b>Period Start</b>					
<b>Period End</b>					
<b>Throughput (units):</b>					
<b>Summer %</b>					
<b>Fall %</b>					
<b>Winter %</b>					
<b>Spring %</b>					
<b>Operational Schedule</b>					
<b>Days/Week</b>					
<b>Hours/Day</b>					
<b>Weeks/Year</b>					
<b>Hours/Year</b>					
<b>Fuel Characteristics</b>					
<b>Heat Content</b>		<b>Elem. Sulfur Content (%)</b>	<b>H2S Sulfur Content</b>	<b>Ash Content (if applicable)</b>	
<b>Heating</b>					
<b>Heat Input</b>		<b>Heat Output</b>		<b>Heat Values Convention</b>	
<b>Emissions Operating Type:</b>					
<b>Pollutant</b>	<b>Emission Factor</b>	<b>EF Numerator</b>	<b>EF Denominator</b>	<b>EF Source</b>	<b>Tons</b>
<b>Carbon Monoxide (CO)</b>					
<b>Nitrogen Oxides (NOX)</b>					
<b>PM10 Primary (PM10-PRI)</b>					
<b>PM2.5 Primary (PM25-PRI)</b>					
<b>Sulfur Dioxide (SO2)</b>					
<b>NH3 (Ammonia)</b>					
<b>Lead and lead compounds</b>					
<b>Volatile Organic Compounds (VOC)</b>					
<b>Process</b>		<b>Secondary Process</b>			
<b>SCC Code</b>		(ex. 20100201)			
		>			
		>			
		>			
		>			
<b>Material Processed</b>					
<b>Period Start</b>					
<b>Period End</b>					

<b>Throughput (units):</b>					
Summer %					
Fall %					
Winter %					
Spring %					
<b>Operational Schedule</b>					
Days/Week					
Hours/Day					
Weeks/Year					
Hours/Year					
<b>Fuel Characteristics</b>					
<b>Heat Content</b>	<b>Elem. Sulfur Content</b>	<b>H2S Sulfur Content</b>	<b>Ash Content (if applicable)</b>		
<b>Heating</b>					
<b>Heat Input</b>	<b>Heat Output</b>		<b>Heat Values Convention</b>		
<b>Emissions Operating Type:</b>					
<b>Pollutant</b>	<b>Emission Factor</b>	<b>EF Numerator</b>	<b>EF Denominator</b>	<b>EF Source</b>	<b>Tons</b>
Carbon Monoxide (CO)					
Nitrogen Oxides (NOX)					
PM10 Primary (PM10-PRI)					
PM2.5 Primary (PM25-PRI)					
Sulfur Dioxide (SO2)					
Lead and Lead Compounds					
NH3 (Ammonia)					
Volatile Organic Compounds (VOC)					
<b>Emissions' Release Point</b>					
	<b>Release Point ID</b>				
	<b>Apportion%</b>				

Stack Detail (Release Point)	
<b>&gt; Specifications</b>	
ID	
Type	
Description	
Stack Status	
<b>&gt; Stack Parameters</b>	
Stack Height (ft)	
Stack Diameter (ft)	
Exit Gas Temp (F)	
Exit Gas Velocity (fps)	
Exit Gas Flow Rate (acfm)	
<b>&gt; Geographic Coordinate</b>	
Latitude	
Longitude	
Datum	
Accuracy (meters)	
Base Elevation (meters)	

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:**

1. Fax this form to: 907-465-5129

Or

2. E-mail to: [DEC.AQ.airreports@alaska.gov](mailto:DEC.AQ.airreports@alaska.gov)

Or

3. Mail to: ADEC  
Air Permits Program  
410 Willoughby Ave., Suite 303  
PO Box 111800  
Juneau, AK 99801-1800

Or

4. Direct data entry for emission inventory can be done through the Air Online System (AOS). A myAlaska account is needed to gain access and a profile needs to be set up in Permittee Portal.

<http://dec.alaska.gov/Applications/Air/airtoolsweb/>