

**ALASKA 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*} [MAY 18, 2016]

Emission Inventory Form

A detailed instruction on development and submission of emission inventory is available at the Department's Air Online Services (AOS) at <http://dec.alaska.gov/Applications/Air/airtoolsweb/PointSourceEmissionInventory> by clicking on "Emission Inventory Instructions" button.

<u>ADEC Reporting Form</u> <u>Emission Inventory</u> <u>Reporting</u> <u>State of Alaska Department of Environmental</u>		<u>Emission Inventory</u> <u>Year- []</u>	
<u>Mandatory information is highlighted in bright yellow. Make additional copies as needed.</u>			
Stationary Source Detail			
<u>Inventory Start Date</u>			
<u>Inventory End Date</u>			
<u>ADEC ID or Permit Number</u>			
<u>EPA ID</u>			
<u>Census Area/Community</u>			
<u>Facility Name</u>			
<u>Facility Physical Location</u>		<u>Address</u>	
		-	
		<u>City, State, Zip Code</u>	
		<u>Latitude</u>	<u>Longitude</u>
		<u>Legal Description:</u>	
<u>Owner Name</u>			
<u>Owner Address</u>			
<u>Owner contact number</u>			
<u>Mailing Contact Information</u>		<u>Address</u>	
		<u>City, State, Zip Code</u>	
<u>Line of Business (NAICS)</u>			
<u>Facility Status</u>			

[ADEC REPORTING FORM

EMISSION INVENTORY REPORTING
 STATE OF ALASKA DEPARTMENT OF ENVIRONMENTAL
 CONSERVATION DIVISION OF AIR QUALITY

EMISSION INVENTORY YEAR- []

MANDATORY INFORMATION IS HIGHLIGHTED IN BRIGHT YELLOW.

STATIONARY SOURCE DETAIL	
<u>INVENTORY START DATE</u>	
<u>INVENTORY END DATE</u>	
<u>ADEC ID OR PERMIT NUMBER</u>	

EPA ID	
CENSUS AREA/COMMUNITY	
FACILITY NAME	
FACILITY PHYSICAL LOCATION	ADDRESS
	CITY, STATE, ZIP CODE
	LATITUDE LONGITUDE
	LEGAL DESCRIPTION:
OWNER NAME & ADDRESS & CONTACT NUMBER	OWNER NAME
	OWNER ADDRESS
	PHONE NUMBER
MAILING CONTACT INFORMATION	MAILING ADDRESS
LINE OF BUSINESS (NAICS)	
LINE OF BUSINESS (SIC)	
FACILITY STATUS	

]

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

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

Processes			
Process	[PRIMARY PROCESS]		
SCC Code	[(EXAMPLE: 20100201)]		
Material Processed			
Period Start			
Period End			
Throughput (units):			
Summer %			
Fall %			
Winter %			
Spring %			
Operational Schedule			
Days/Week			
Hours/Day			
Weeks/Year			
Hours/Year			
Fuel Characteristics			
Heat Content	Elem. Sulfur Content (%)	H2S Sulfur Content	Ash Content (if applicable)
Heating			
Heat Input	Heat Output		Heat Values Convention

Emission [EMISSIONS] Operating Type					
Pollutant	Emission Factor	EF Numerator	EF Denominator	Emission Calculation Method [EF SOURCE]	Tons
Carbon Monoxide (CO)					
Nitrogen Oxides (NOX)					
PM10 Primary (PM10-PRI)					
PM2.5 Filterable (PM25-FIL) ¹					
PM Condensable (PM-CON) ² [PM2.5 PRIMARY (PM2.5-PRI)]					
Sulfur Dioxide (SO2)					
NH3 (Ammonia)					
Lead and lead compounds					
Volatile Organic Compounds (VOC)					
Emissions' Release Point					
Release Point ID					
Apportion%					

¹ Report PM-2.5 filterable and PM condensable portions of the PM-2.5 Primary emissions, as applicable, in accordance with Federal Regulation 40 CFR 51.15(a)(1)(vi). Refer to EPA's May 2017 "Emissions Inventory Guidance for Implementation of Ozone and Particulate Matter National Ambient Air Quality Standards (NAAQS) and Regional Haze Regulations" (see Section 4.2.1) for guidance on the reporting of PM-2.5 filterable and condensable emissions.

² Please note on the inventory form if there is no available emission factor that can be used for an applicable condensable PM. For example, EPA AP-42 Table 3.3-1 does not contain a condensable PM emission factor for diesel engines smaller than 600 hp.

Process	Secondary Process (if applicable)				
SCC Code	(ex. 20100201)				
Material Processed					
Period Start					
Period End					
Throughput (units):					
Summer %					
Fall %					
Winter %					
Spring %					
Operational Schedule					
Days/Week					
Hours/Day					
Weeks/Year					
Hours/Year					
Fuel Characteristics					
Heat Content	Elem. Sulfur Content	H2S Sulfur Content	Ash Content (if applicable)		
Heating					
Heat Input	Heat Output		Heat Values Convention		
Emissions Operating Type:					
Pollutant	Emission Factor	EF Numerator	EF Denominator	Emission Calculation Method [EF SOURCE]	Tons
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)					
Emissions' Release Point					
Release Point ID					
Apportion%					

Stack Detail (Release Point)	
> Specifications	
ID	
Type	
Description	
Stack Status	
> Stack Parameters	
Stack Height (ft)	
Stack Diameter (ft)	
Exit Gas Temp (F)	
Exit Gas Velocity (fps)	
Exit Gas Flow Rate (acfm)	
> Geographic Coordinate	
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. Direct data entry for emission inventory can be done through the Air Online System (AOS) <http://dec.alaska.gov/Applications/Air/airtoolsweb/>. A myAlaska account is needed to gain access and a profile needs to be set up in Permittee Portal.

Or

2. E-mail to: DEC.AQ.airreports@alaska.gov

Or

3. Mail to: ADEC
Air Permits Program
ATTN: **Emissions Inventory**
555 Cordova Street
Anchorage, Alaska 99501
[410 WILLOUGHBY AVE., SUITE 303
PO BOX 111800
JUNEAU, AK 99801-1800]

Or

4. Fax this form to: 907-**269-7508** [465-5129]