

Alaska Department of Environmental Conservation
Division of Air Quality

Instruction

Emission Inventory Development and Submission

2017
Anchorage, Alaska

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1. Regulatory requirements

The air emissions reporting requirements under 40 C.F.R. 51, Subpart A apply to states; however, states rely on information provided by point sources to meet the reporting requirements of 40 C.F.R. 51, Subpart A.

Stationary source categories required to report: All stationary sources defined as point sources in 40 C.F.R. 51.50.

The Permittee shall submit to the Department reports of annual emissions, by emissions unit, of CO, NH₃, NO_x, PM₁₀ (PM10-PRI), PM_{2.5} (PM25-FIL), PM condensable (PM-CON), SO₂, VOCs, and lead (Pb) (and lead compounds) as follows:

- 1.1. Type A sources - if the stationary source's potential to emit for the previous calendar year equals or exceeds:
 - a. 250 tons per year (TPY) of NH₃, PM₁₀, PM_{2.5} or VOCs; or
 - b. 2,500 TPY of CO, NO_x or SO₂.
 - c. 0.5 actual tons per year Pb
- 1.2. Type B sources - the stationary source's potential to emit (except actual emissions for Pb) for the previous calendar year equals or exceeds:
 - a. 0.5 TPY of actual Pb, or
 - b. 1,000 TPY of CO; or
 - c. 100 TPY of SO₂, NH₃, PM₁₀, PM_{2.5}, NO_x or VOCs.

Type A sources should provide with every-year inventory and Type B sources should provide with triennial inventory. Triennial inventory years are 2017, 2020, 2023, 2026, 2029 etc.

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. 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. 51). All Type A sources are also classified as Type B sources. However the 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.

The deadline for reporting EIs to the DEC is April 30 of the year following the inventory year.

2. Emission Inventory Field Descriptions

Please note the fields highlighted in yellow are required fields by EPA and/or ADEC.

Emission Inventory Year: period of report year

Emission Inventory Type: select every-year or triennial

2.1 Stationary Source Detail Information

Inventory Start Date: (month/day/year)

Inventory End Date: (month/day/year)

ADEC ID or Permit Number: this can be found in your air quality permit for the facility or in the EI letter

EPA ID: leave blank to be filled in by the ADEC

Census Area/Community: Please provide the Census area for which the facility is located. If unknown, you may provide the nearest city, town, or borough in which the facility is located.

(<http://live.laborstats.alaska.gov/cen/maps/state/current/AlaskaBorCA.pdf> or

<http://live.laborstats.alaska.gov/cen/maps/2010CNTY.pdf>)

Facility name: Legal name of the facility.

Facility Physical address: Please provide the street address of a facility. This address describes the location where emissions occur; not, for example, corporate headquarters. Latitude and Longitude of the facility in degree decimals is also required.

Owner Contact Name & Address & contact number: Please provide the name of the contact person at the facility. Please provide the telephone number where the contact person can be reached.

Mailing address: Please provide the address where all written correspondence to the facility should be sent.

Line of Business: Please provide the North American Industry Classification System (NAICS) code for your business. The NAICS code numerically indicates the primary activity of a business. (For example 493130 is a grain elevator; 237310 is an asphalt paving). NAICS codes can be found at the EPA website:

<http://www.naics.com/search/>. Please note NAICS codes replace SIC codes.

Facility Status: Select one of the following: Operating; temporarily shutdown; permanently shutdown; Operating but State/Local/Tribe Reporting Emissions in the Nonpoint Category; Operating but State/Local/Tribe Not Reporting Emissions.

Facility Status Year: Year of the facility status became effective.

2.2 Emission Unit Data

Emission unit ID: Please assign a unique numerical identifier to each source. The ID should be identical to EU ID stated in the respective air quality permit if the permit has one. These identifiers will be entered into the State's database and used to identify a particular unit for the lifetime of the unit.

Emission unit description/name: Provide a name or brief description of the source. The EU description should be identical to EU description stated in the respective air quality permit if the permit has one. Examples are "#1 Power Boiler," "West Soybean Drier," or "Coal Stack Pile." These are typically a description of the equipment.

Manufacturer: emission unit maker

Model Number: Sources, particularly engines, come with model numbers assigned by the manufacturer. Provide the model number here.

Serial Number: Sources, particularly engines, come with serial numbers assigned by the manufacture. Provide the serial number here.

Design Capacity: A measure of point source size, based on the reported maximum continuous capacity of the unit.

Manufactured Year: Indicate the year the source was manufactured.

Installed Date: Installed date is the date that the unit was (e.g.) first bolted onto its foundation.

Initial Startup Date: Provide with initial startup date of the unit per 40 CFR 60.7(a)(1), Subpart A. The format to use is MM/DD/YYYY.

Retired date: Provide month, date and year if unit is retired and will not be used again. The format to use is MM/DD/YYYY.

Purpose: Provide with purpose of the unit such as electrical generation, process heat, space heat, storage unit or other. Excel template includes dropdown list to select.

Operational Use: Provide with operational use of the unit such as black start unit, continual use, emergency backup unit, peaking use or other. Excel template includes dropdown list to select.

Portability: Provide with portability of the unit such as non portable (stationary), portable (nonroad engine), portable (PPN 04.02.104) or portable (PPN 04.02.105). Excel template includes dropdown list to select.

2.3 Control Equipment

Complete this section for each emission unit if it employs pollution controls

ID: Please assign a unique identifier to each piece of control equipment.

System Description: this can be make or model of the control device, or year it was manufactured

Control Equipment Type: Name of control device type (e.g., wet scrubber, flaring, or process change). Please indicate if it is the primary or secondary control device.

Control Device Manufacturer: Provide the name of control device manufacturer.

Control Device Model: If available, provide the model number of the control device assigned by the manufacture.

Control efficiency %: Provide the percent value of emissions controlled (not emitted) as a result of the control device.

Capture efficiency %: Please provide the percent capture efficiency if available. This is the percent of total emissions captured and routed to air pollution control equipment. Please note that capture efficiency is not applicable to the control of fugitive emissions. Enter 100% capture efficiency for all sources using water suppressant or water spray controls, such as haul roads, storage piles, or conveyors. For point sources, capture efficiency is determined at each emission point with a control device, regardless of control device location. If a facility has a single central control device, and that device takes in pollutants from multiple emission points, capture efficiency must be determined for each point. Please use the following hierarchy to determine capture efficiency.

Pollutants Controlled: List all the pollutants controlled by the control device.

Reduction Efficiency%: means the net emission reduction efficiency of all emissions collection devices

2.4 Processes

Primary/secondary process: If a unit uses more than one fuel, information must be completed for both the primary and secondary processes. For example, a Unit 1 might use natural gas for 900 hours and diesel for 300 hours; natural gas is the primary process and diesel is the secondary. Fill out a separate process description for each primary and secondary process.

SCC (Source Classification Code): A process-level code describing the equipment or operation or both which is emitting pollutants. These codes are found at the EPA website: <https://ofmpub.epa.gov/scsearch/> under the EIS Code Tables (including SCC). **Please note that some codes changed and are updated.**

Action: List the action such as Used (Input), Produced (output) or Existing.

Material Processed: The type of fuel combusted, raw material processed, product manufactured, or material handled or processed. Examples of throughput material include coal, natural gas, sludge, solid waste, and asphalt. Enter the total amount of fuel used by the source in tons, pounds, gallons, or standard cubic feet.

Periods: Within an inventoried year, list when the engine begins and end operation. The purpose of this input is to capture seasonal sources. An engine operating all year long, but one day a week, would have a start date of January 1 and an end date of December 31.

>**Throughput:**

Total Throughput (units): A measurable factor or parameter relating directly or indirectly to source emissions of air pollution. Depending on the source type, throughput may refer to the amount of fuel combusted, raw material processed, product manufactured, or material handled or processed in one year. Throughput is typically the value that is multiplied against an emission factor to generate an emissions estimate. Examples of throughput include 6.60 million cubic feet (MMscf) of natural gas or 30,000 gallons of diesel. Please provide the source throughput along with its unit. Excel template includes dropdown list of accepted units of measurements.

Quarterly throughput: The percentage of annual production, use of the source, or throughput, occurring during each quarter. 100% represents the actual operations during the calendar year, not the potential to emit of the source. The seasons represent the four quarters of the year. Their total must equal 100% or 0%. Provide percentages in whole numbers.

Summer: Represents June 2016, July 2016, and August 2016.

Fall: Represents September 2016, October 2016, and November 2016.

Winter: Represents December 2016, January 2016, and February 2016.

Spring: Represents March 2016, April 2016, and May 2016.

If the source operated and emitted, before controls, one or more of reportable air contaminants, then 100% must be reported over all four quarterly throughput entries. For example, the quarterly throughput would read 25%, 25%, 25%, and 25% for a source operating 24 hours per day for seven days per week for the entire year. In a second case, the quarterly throughput would read 100%, 0%, 0%, and 0% if the source operated for 123 hours only in the first quarter of the year and did not operate the rest of the year. A source may operate 1 hour or 8760 hours during the year and either figure would represent 100% of its throughput.

2.5 Operational Schedule

Days/week: Provide the average days per week the emitting process operates over the inventory period. Take the hours/year and divide by 52. Then take that number and divide by 24 and that will give you the days/week.

Hours/day: Provide the average hours per day the emitting process operates over the inventory period. For example if you know the hours/year then take that number and divide by 365 (since there are 365 days per year).

Weeks/period (year): Provide the average weeks per 2012 year; the emitting process operates. For example take the hours per year [the first number hours/year] and divide by 168 (there are 168 hours in a week) will give you the weeks per year.

Hours/period (year): Provide the hours for inventory year the emitting process operates.

2.6 Fuel Characteristics:

Heat content (e.g. MMBtu/1000 gal or MMBtu/MMscf): Provide the amount of thermal heat energy in solid, liquid, or gaseous fuel burned in the source. Fuel heat content is typically expressed in units of million BTU's per ton of coal, 1000 gallons of oil, or million standard cubic feet (SCF) of gas.

Elemental Sulfur content (weight %): Provide the mass percentage of sulfur in the process fuel as an annual average. The value for the percentage of sulfur must be entered as the weight of the sulfur in the fuel as compared with the weight of the fuel when the facility received it. The percentage of sulfur value for

coal, oil and LPG/Propane must agree with the statement from your supplier. If more than one shipment of the same fuel type was received and used during the year, the percentage of sulfur must be calculated as a weighted average, using the percentage sulfur and the amount of each different fuel shipment used during the year.

H2S Sulfur Content (ppmv): Provide the ppmv content of H2S sulfur in the used gaseous fuel as an annual average.

Ash content (weight %): (if applicable) Provide the mass percentage ash content in the process fuel as an annual average. The value for the percentage of ash must be entered as the weight of the ash in the fuel compared with the weight of the fuel when it was received by the facility. The percentage of ash value for coal and oil must agree with the supplier statement. If more than one shipment of the same fuel type was received and used during the year, the percentage of ash must be calculated as a weighted average, using the percentage ash and the amount of each different fuel shipment used during the year.

Heating

- **Heat Input (MMBtu/hr):** This is generally calculated by determining the amount of fuel used per hour and converting it into million BTUs.
- **Heat Output (MMBtu/hr):** Provide the heat output of source if applicable.
- **Heat Value Convention:** Higher heating value, Lower heating value

2.7 Emissions

Pollutant: The reporting of criteria air pollutants (CAPs) is required under the AERR for all data source categories, while the reporting of hazardous air pollutants (HAPs) is not. However, HAPs are critical to complete the NEI, and facilities are encouraged to report HAPs in the inventories.

The mandatory reportable pollutants include CAP: carbon monoxide (CO), Ammonia (NH₃), Nitrogen Oxides (NO_x), fine and coarse Particulate Matter (PM_{2.5} – Filterable, PM Condensable and PM₁₀ Primary), Sulfur Oxides (SO_x), Lead and Lead Compounds (Pb), and Volatile Organic Compounds (VOC).

Emission factor: This is the value of the emission factor. Emission factors are a ratio relating emissions of a specific pollutant to an activity or material throughput level, such as lbs/standard cubic feet (SCF) or lbs/gal. When reporting an emission factor, the form asks for the Emission Factor number, the Emission Factor numerator, and the Emission Factor Denominator. AP-42 Emission Factors <https://www.epa.gov/air-emissions-factors-and-quantification/ap-42-compilation-air-emission-factors>

Emission Factor Numerator: This is the weight or mass of pollutant released per unit of activity. This is usually given in pounds.

Emission Factor Denominator: The denominator for the unit of measure of the reported emission factor.. For example MMBtu is the emission factor denominator when the emission factor is 0.31 pounds/MMBtu.

Emission Calculation Method: Please reference the source of the emission factor; such as “AP-42 Table 3.2-1”. Emission factors are not required when direct measurement is used to estimate emissions such as continuous emission monitors (CEM’s), mass balance equations, and predictive emissions monitoring. Departmentally approved stack testing is also acceptable.

Tons Emitted: Please provide the actual emissions for a plant, point, or process (measured or calculated) within a calendar year. If EU has CEM or source test data this data must be used to calculate tons emitted. Data format is Float (4); reported as a float with a maximum of 4 significant figures. For example 0.001234 or 0.0001234 or 0.1234

> Emissions Release Points

Release Point ID: Stack Point ID that the emissions are released out of. There can be multiple stack points.

Release Point Description: Provide description of release point.

Release point type: Provide with release point type such as vertical, fugitive, horizontal, goose neck, vertical with rain cap downward-facing vent or unknown.

Apportion%: Percentage of the emission that is going through this release point (single release point then 100%)

2.8 Stack (Release Point) Detail

ID: If a unit has more than one stack, please assign each stack an ID such as one (1), two (2), or three (3). Each stack must reference an emission unit ID. A unit ID can have one or several stacks (each with a stack ID) associated with it. If there are multiple stacks for a single emission unit please make sure the apportion % for the involved stacks adds up to 100%.

Type: Please enter the type of stack, such as fugitive, vertical, horizontal, goose neck, vertical with rain cap, or downward facing vent.

Description: description of stack and can contain which emission unit the stack is connected to.

>Stack Parameters

Stack height: Please provide a stack's physical height measured in **feet** above the surrounding terrain; i.e. the height above the ground at the base of the stack. The database range for this value is 0.01 to 1000 feet. Values outside of this range will be recorded but not published in the 2006 EI.

Stack diameter: Please provide the stack's inner physical diameter, measured in **feet**. The database range is 0.1 to 50.0 ft. Values outside of this range will be recorded but not published.

Exit gas temperature: Please provide the numeric value of an exit gas stream's temperature (**°F**). The database range is -30 to 4000°F. Values outside of this range will be recorded but not published.

***Exit gas velocity:** Please provide the numeric value of an exit gas stream's velocity foot per second (**fps**). The database range is 1 to 560 fps. Values outside of this range will be recorded but not published.

***Actual Exit Gas Flow Rate:** Please provide numeric value of the stack gas's measured flow rate actual cubic feet per minute (**acfm**). Exit Gas Flow Rate must be a value between 0 and 12,000,000 acfm.

***Provide either exit gas velocity or actual exit gas flow rate or both.**

NOTE: If all three data elements (diameter, velocity and flowrate) are reported, the following formula is used to check the release point exit gas flow rate reported value.

Flow Rate = {Pi} * (Stack Diameter /2) ^ 2 * Velocity.

You have to multiply by 60 to convert to acfm (actual cubic foot per minute).

If this value and the reported exit gas flow rate are within ±5% of each other than the reported data is considered valid.

Data Source: Please indicate how your facility determines the gas temperature, velocity and flow rates (source test, engineering estimate or vendor data).

Retired Date: Provide with release point retirement date in MM/DD/YYYY format.

>Geographic Coordinate

Latitude: Please report latitude in decimal degrees. If coordinates for any one stack are not available, then provide coordinates for the center of the facility.

Longitude: Please report longitude in decimal degrees. If coordinates for any one stack are

not available, then provide coordinates for the center of the facility.

Datum: Please enter whether the latitude and longitude derive from North American Datum of 1927, 1983, or World 1984.

Horizontal Accuracy (m): Latitude and longitude data sets often come with a state resolution or accuracy given in meters. Please provide that number in this field

Base Elevation: Please indicate how many feet above sea level the base of the stack

Location Description: Please give description of facility or stack locations such as nearby town, river, or landmark. This is especially important for rural facilities which are remote from communities or roads.

Horizontal Collection Method: Provide method used for collecting horizontal data.

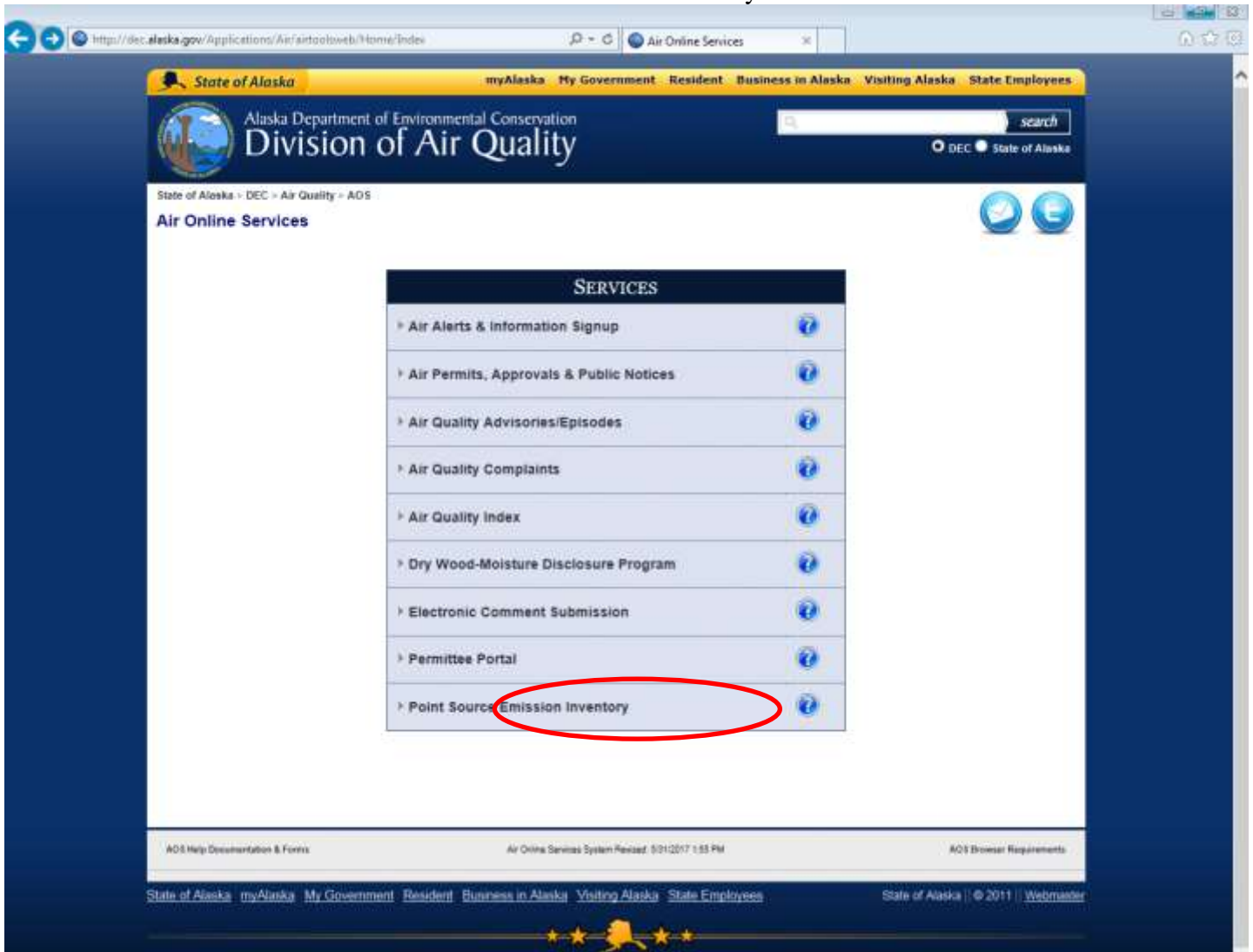
3. Emission Inventory Form

Blank EI form is presented below in the section. The blank form also available in Excel format at AOS by the following address <http://dec.alaska.gov/Applications/Air/airtoolsweb/PointSourceEmissionInventory>

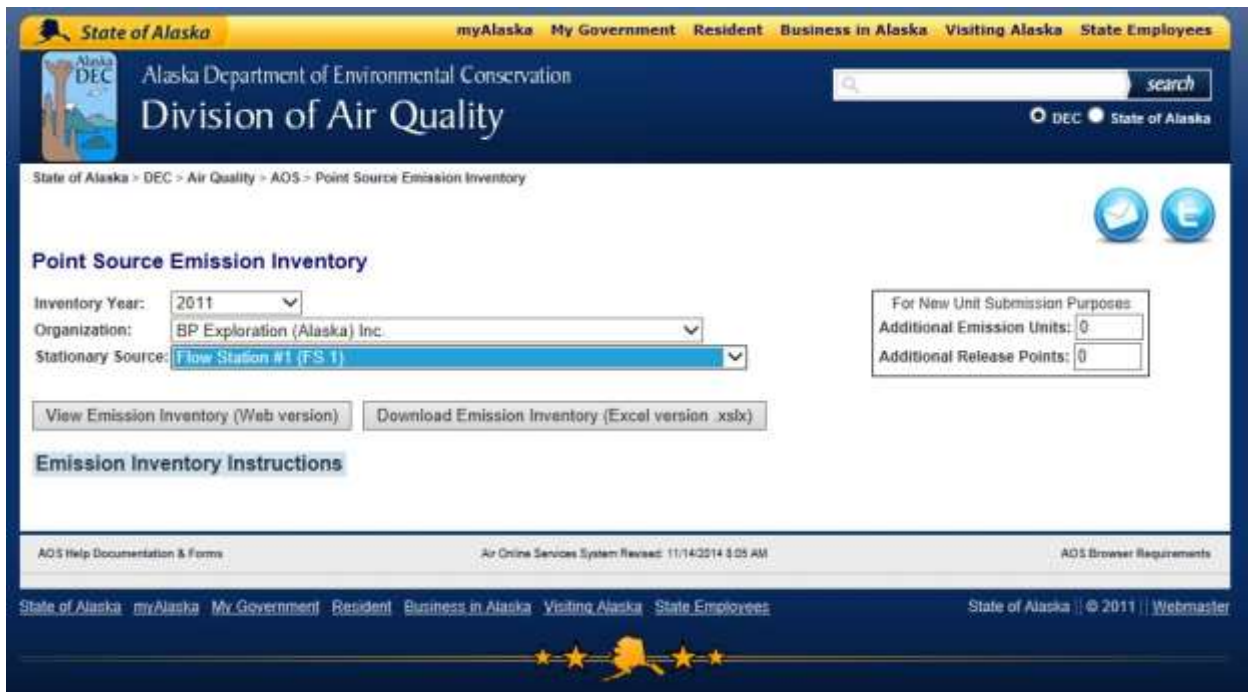
Companies that previously submitted EI can access their stationary source data online at:

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

- Under “Service” select Point Source Emission Inventory.



- Select the most recent inventory year for your organization, and the stationary source name.



- Then click on the “Download Emission Inventory (excel version.xls) button. This will download the data into excel. Please note that each emission unit is on its own tab along with each release point [stack].

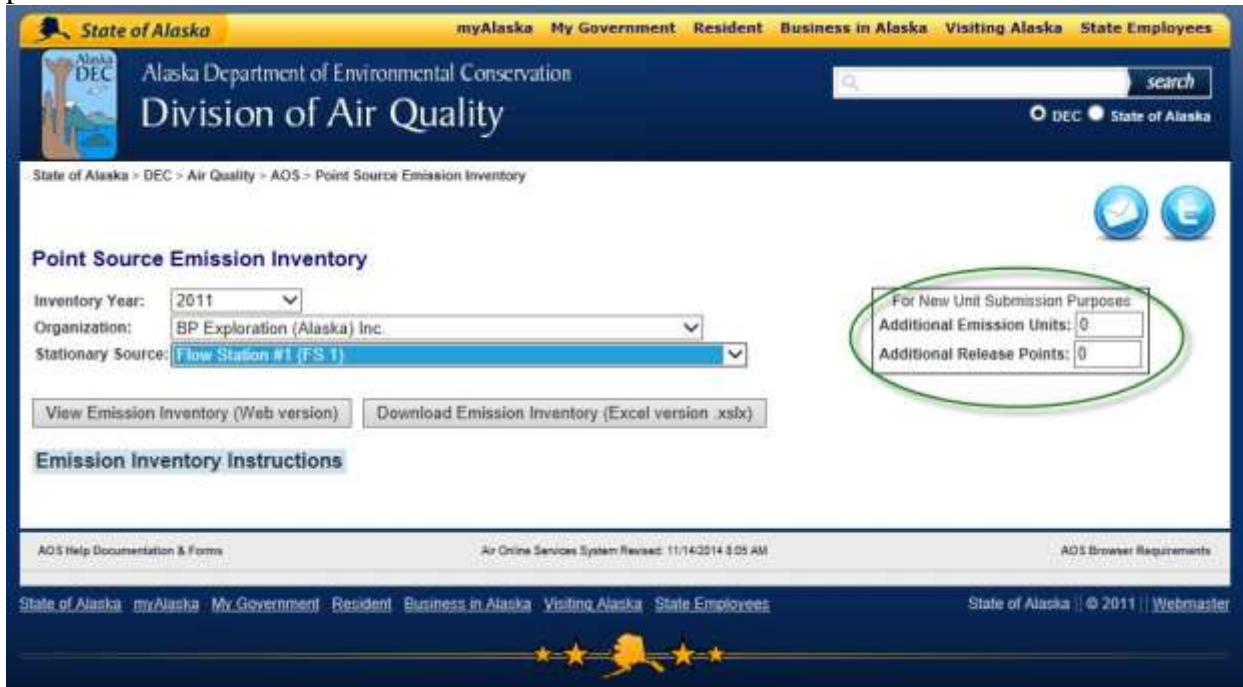
3. Review, update, complete, and correct data as needed.

- Highlighted items are required. Please refer to pages 3-7 of this Instruction for further details.
- A description of each field follows these instructions and starts on page 3 of this document.
- In an effort to update our files, we request that you also review the emission factors along with emission numerators and denominators. Stack description and parameters need to be reviewed for accuracy and completeness.

- Throughput
- Emission Factors
- Emission factor denominator
- Emission factor numerator
- Stack parameters
 - Stack height
 - Stack diameter
 - Exit gas temperature
 - Exit gas velocity
 - Exit gas flow rate
 - Parameters data source (engineering estimate, source test, or vendor data)
 - Description
- Stack location
 - Stack latitude and longitude
 - Datum

- Horizontal accuracy
- Horizontal collection method
- Base elevation
- Location description

4. If you have units that are not listed in your EI report, please provide information on that source. Blank forms attached at the end of this attachment or if you fill in the additional emission unit and release point then blank forms will be created in the excel file.



Emission Inventory Reporting
 State of Alaska Department of Environmental Conservation Division of Air
 Quality

Emission Inventory Year- []

Mandatory information is highlighted.

Stationary Source Detail		
Inventory Start Date		
Inventory End Date		
ADEC ID or Permit Number		
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		
Status Year		

Emission Unit

> Specifications			
ID		Design Capacity	
Description			
Manufacturer		Manufactured Year	
Model Number		Serial Number	
Installed Date		Initial Startup Date	
Retired Date		Purpose	
Operational Use		Portability	
> Regulations			
Regulation/Description			
> Control Equipment			
System Description			
Control Measures/ Devices			
Manufacturer			
Model			
Control Efficiency (%)			
Capture Efficiency (%)			
Pollutants Controlled		Reduction Efficiency (%)	
		Reduction Efficiency (%)	

> Processes					
Process	Primary Process				
SCC Code					
	>				
	>				
	>				
	>				
Material Processed					
Action					
Throughput					
Total		Summer %	Fall %	Winter %	Spring %
(#)					
Operational Schedule					
Days/Week	Hours/Day	Weeks/Period	Hours/Period		
Fuel Characteristics					
Heat Content (MMBtu/ton or 1000 gal or MMscf)	Elem. Sulfur Content (weight %)	H2S Sulfur Content (ppmv)	Ash Content (weight %)		

Heating					
Heat Input (MMBtu/hr)		Heat Output (MMBtu/hr)		Heat Values Convention	
Emissions					
Pollutant	Emission Factor	EF Numerator	EF Denominator	Emission Calculation Method	Tons Emitted
Lead					
Carbon Monoxide(CO)					
Nitrogen Oxides(NO _X)					
PM10 Primary (Filt + Cond)(PM10-PR1)					
PM2.5 Filterable (PM25-FIL)					
PM Condensable (PM-CON)					
Sulfur Dioxide(SO ₂)					
Volatile Organic Compounds(VOC)					
NH ₃ (Ammonia)					

Process	Secondary Process				
SCC Code					
	>				
	>				
	>				
	>				
Material Processed					
Action					
Throughput					
Total		Summer %	Fall %	Winter %	Spring %
(#)					
Operational Schedule					
Days/Week	Hours/Day	Weeks/Period	Hours/Period		
Fuel Characteristics					
Heat Content (MMBtu/ton or 1000 gal or MMscf)	Elem. Sulfur Content (weight %)	H₂S Sulfur Content (ppmv)	Ash Content (weight %)		
Heating					
Heat Input (MMBtu/hr)		Heat Output (MMBtu/hr)		Heat Values Convention	

Emissions					
Pollutant	Emission Factor	EF Numerator	EF Denominator	Emission Calculation Method	Tons
Lead and lead compounds					
Carbon Monoxide(CO)					
Nitrogen Oxides(NOX)					
PM10 Primary (Filt + Cond)(PM10-PRI)					
PM2.5 Filterable (PM25-FIL)					
PM Condensable (PM-CON)					
Sulfur Dioxide(SO2)					
Volatile Organic Compounds(VOC)					
NH3 (Ammonia)					

> Release Points			
ID	Description	Type	Apportion %

Release Point

Release Point				
> Specifications				
ID		Type		
Description				
Retired Date		Parameters Data Source		
> 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
Horizontal Accuracy (m)		Base Elevation (meters)		
Horizontal Collection Method				
Coordinate Location Description				

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 _____

4. Emission Inventory Submission Instructions

The preferred submission method of the required EI data is online electronic submittal of data through the AOS permittee portal EI section. Other methods of submission include electronic update of EI data in Excel and/or PDF formats via email; or complete a hard copy form and mail form provided in your permit or on website <http://dec.alaska.gov/Applications/Air/airtoolsweb/PointSourceEmissionInventory>. Emission Inventory Form is a living document and it is recommended to use online available version as most up-to-date.

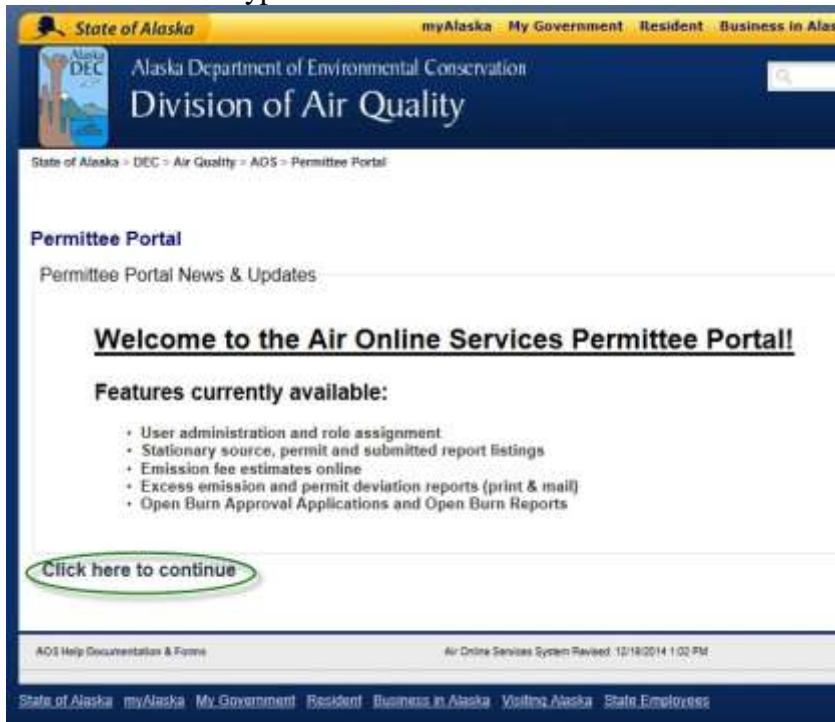
4.1 AOS EI – Air Online Services Emission Inventory

ADEC has developed an online emission inventory submission system AOS EI. AOS EI is the preferred method of EI information submission. AOS EI is accessed through the secured Permittee portal and allows you direct control of the manner in which the data is reported and recorded into our systems. A myAlaska account is needed to gain access to the Permittee portal. For further guidance on how to sign in and access AOS EI please refer to the following: <http://dec.alaska.gov/Applications/Air/airtoolsweb/AosHelp>.

- Navigate to <http://dec.alaska.gov/Applications/Air/airtoolsweb/> click on the permit portal



- This will take you to myAlaska log in screen. After logging in you will see the portal welcome page. Click on the continue hyperlink.



- Next click on the organization of the stationary source you wish to submit an emission inventory for. Next click on the stationary source you want to submit an emission inventory for. You should see a list of that stationary source's permits. Next click on the "Emission Inventory" under links.



- You will see a list of emission units for that stationary source –

Emission Inventory Data Collection



TESTING

PLEASE NOTE: The Emission Inventory entry period has expired and/or is offline, changes can not be saved until it is reactivated.

Emission Histories

Emission Inventory Instructions

Stationary Source Detail

ADEC ID:	267
Name:	CPF 1, Kuparuk Central Production Facility #1
Physical Location:	Prudhoe Bay, AK 99734 Lat: 70.326592 Long: -149.597247 Description: Kuparuk Oil Field, S9, T11N, R10E Umiat Meridian
AIS ID:	0218500017
Census Area/Community:	North Slope Borough (185)
Line of Business (NAICS):	211111 ▶ Mining ▶ Oil and Gas Extraction ▶ Oil and Gas Extraction ▶ Crude Petroleum and Natural Gas Extraction
Line of Business (SIC):	1311 ▶ Oil and gas extraction ▶ Crude Petroleum and Natural Gas
Owner Name & Address:	ConocoPhillips Alaska, Inc. PO Box 100360 Anchorage, AK 99510-0360

LINKS
▶ User Admin
▶ Org Admin Help
▶ Emission Inventory
▶ Docs & Forms

Emission Units (Select from list or [Create New](#) *)

[Reload List](#)

[Switch to Release Points List](#)

ID	DESCRIPTION	TYPE	RELEASE POINTS	[DEL]*	UPDATED
01	Gas Lift Compressor Turbine Tag No. C-2101-A	Turbine	01-1, 01-2	[DEL]	
02	Gas Lift Compressor Turbine Tag No. C-2101-B	Turbine	02-1, 02-2	[DEL]	
03	Gas Lift Compressor Turbine Tag No. C-2101-C	Turbine	03-1, 03-2	[DEL]	
04	Power Generation Turbine Tag No. G-201-A	Turbine	04-1, 04-2	[DEL]	
05	Power Generation Turbine Tag No. G-201-B	Turbine	05-1, 05-2	[DEL]	

Emission Inventory Instructions
Stationary Source Data,

- Click on the emission unit to enter in the emission inventory data. Once you click on a unit click on the [+/-] All to view all the data fields. Emission Unit ID, description and type should be identical to information provided in the stationary source permit.

Alaska Department of Environmental Conservation
Division of Air Quality

State of Alaska - DEC - Air Quality - AOS - Portal - Individual - Organization - Stationary Source - Emission Inventory Data Collection

State of Alaska | DEC | State of Alaska

State of Alaska - DEC - Air Quality - AOS - Portal - Individual - Organization - Stationary Source - Emission Inventory Data Collection

Hello, antonov
 Sign Out

Emission Inventory Data Collection

TESTING

PLEASE NOTE: The Emission Inventory entry period has expired and/or is offline, changes can not be saved until it is reactivated.

Emission Histories

Emission Inventory Instructions **Expand/Collapse Stationary Source Details**

Emission Unit Detail **Cancel Changes/Return to List**

ID: 01

Description: Gas Lift Compressor Turbine Tag No. C-2101-A

[+/-] All

- ▶ Specifications [+/-]
- ▶ Regulations [+/-]
- ▶ Control Measures/Devices [+/-]
- ▶ Pollutants Controlled [+/-]
- ▶ Processes [+/-]
- ▶ Release Points [+/-]

LINKS

- ▶ User Admin
- ▶ Org Admin Help
- ▶ Emission Inventory
- ▶ Docs & Forms

- Please update the emission unit data and fill in the actual emissions under the “processes”. Please note that the emission factors have been prefilled with the previous emission inventory data. Please update as necessary. The previous pages of this Instruction list out the mandatory data fields along with their definitions.
- Attach all supporting documents, examples of calculations, Excel spreadsheets, printouts from specialized software/programs (EPA Tanks etc.)
- Once you have filled in all the data and attached supporting documents – if you are designated e-signer please click on the “Submit Emission Inventory Electronically (e-signature)” button.

Emission Units (Select from list or [Create New](#)) [Reload List](#) [Switch to Release Points List](#)

ID	DESCRIPTION	TYPE	RELEASE POINTS	[DEL]	UPDATED
01	GTG-1 Gas Turbine Generator	Turbine	01	[DEL]	
02	GTG-2 Gas Turbine Generator	Turbine	02	[DEL]	
03A	GTG-3 Gas Turbine Generator	Turbine	03A	[DEL]	
04	GTG-4 Gas Turbine Generator	Turbine	04	[DEL]	
07	Fuel Storage Tank #1	Storage Tank	09	[DEL]	
08	Fuel Storage Tank #2	Storage Tank	09	[DEL]	
09	Misc. Fugitive Emissions	Other Fugitive	09	[DEL]	
10	Air Preheater for GTG-3 Gas Turbine Generator	Turbine	10	[DEL]	
11	Emergency Engine 1	Reciprocating IC Engine		[DEL]	

Showing 1 to 9 of 9 entries

*NOTE: Once created Emission Units cannot be deleted by you, if a deletion is required, use the [DEL] link to send a request to DEC.

To submit & e-sign this Emission Inventory electronically, please click below.

[Submit Emission Inventory Electronically \(e-signature\)](#)

- When going through the e-signing ceremony you will be asked to review the data you have entered. Next click on the certification box and click on e-sign document button.

>Geographic Coordinate					
Latitude	61.2218	Longitude	-149.8546	Datum	NAD 1927
Accuracy	400	Description		Base Elevation	

Release Point 10

>Specifications	
ID	10
Type	Vertical
Description	Air Preheater for GTG-3 Gas Turbine Generator Stack

>Stack Parameters				
Stack Height (ft)	Stack Diameter (ft)	Exit Gas Temp (F)	Exit Gas Velocity (fps)	Exit Gas Flow Rate (acfm)
1	1	30	1	

>Geographic Coordinate					
Latitude	61.22194	Longitude	-149.86639	Datum	NAD 1927
Accuracy	400	Description		Base Elevation	

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.

AOS Help Documentation & Forms Air Online Services System Released: 12/19/2014 1:43 PM AOS Browser Requirements
 State of Alaska myAlaska My Government Resident Business in Alaska Visiting Alaska State Employees State of Alaska | © 2011 | Webmaster

- Next you will need to put in your password and answer a security question. Click on the sign and submit button

SIGNING CEREMONY

By using your electronic signature to sign this document, you legally bind yourself to it to the same extent as you would by signing a paper copy of the document.

Please take a moment to verify that the document you are about to electronically sign is in a readable format, and is an accurate copy of the electronic document you submitted.

This is important because, under Alaska law, criminal penalties apply for falsely certifying a document. If you submit information that you know is false, you could face imprisonment, fines, or both.

You are legally obligated to protect the security of your myAlaska electronic signature. That means you cannot share your myAlaska password with anyone else - even a family member - or let anyone else use your myAlaska electronic signature. If you discover any evidence that anyone else has used your electronic signature or gained access to your password, you must report it promptly to the [myAlaska Help Center](#).

Document Details

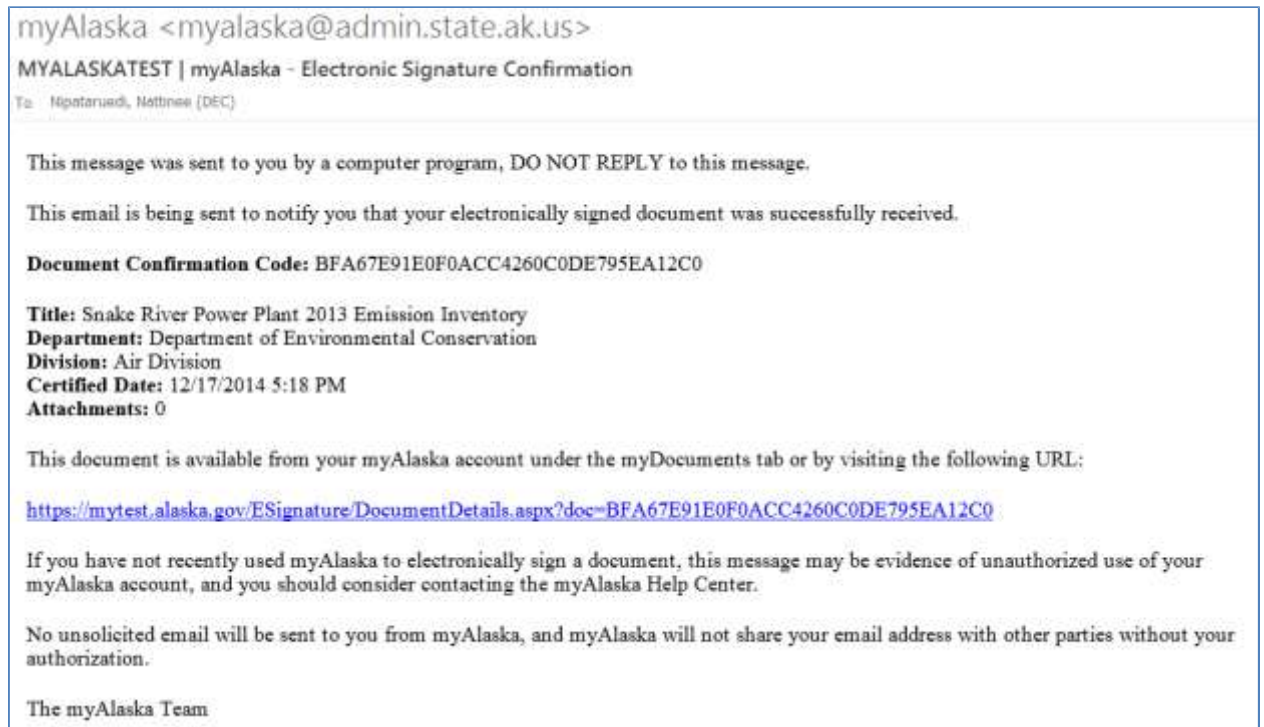
Title: Hank Nikkels Plant One 2013 Emission Inventory
 Description: Hank Nikkels Plant One 2013 Emission Inventory
 Department: Department of Environmental Conservation
 Division: Air Division
 Size: 71572 bytes
 Certified Date:
[View Document](#)

Password:

What is your oldest sibling's birthday
month and year?

[Help](#) [Privacy Policy](#) [User Agreement](#) [Browser Compatibility](#) Department of Administration
 Enterprise Technology Services (ETS)
 Email: myalaska.help@alaska.gov
 Monday - Friday: 10:00 AM to 4:30 PM Alaska Time

- Once you have e-signed you will receive an email saying that your emission inventory has been received.



4.2 Email Submission of Emission Inventory

In case online submission of information through AOS is not a viable option for you, the information could be submitted via email. Email submission should include EI forms, all supporting documents, examples of calculations, Excel spreadsheets with calculations, printouts from specialized software/programs (EPA Tanks etc.). Please make sure your EI submission is signed and certified as required by 18 AAC 50.205. Email your completed EI data to DEC.AQ.airreports@alaska.gov. Include Air Emissions Inventory and year in the subject line with facility/company information.

4.3 Mail Submission of Emission Inventory

In case online submission of information through AOS and email submission of EI are not viable options for you the information could be submitted via mail. Mail submission should include EI forms, all supporting documents, examples of calculations, Excel spreadsheets with calculations, printouts from specialized software/programs (EPA Tanks etc.). Please make sure your EI submission is signed and certified as required by 18 AAC 50.205. Email your completed EI data to

ADEC
 Air Permits Program
 ATTN: Air Emissions Inventory
 555 Cordova Street
 Anchorage, Alaska 99501

4.4 Fax Submission of Emission Inventory

In case the options above are not viable options for you the information could be submitted via fax. Fax submission should include EI forms, all supporting documents, examples of calculations, Excel spreadsheets with calculations, printouts from specialized software/programs (EPA Tanks etc.). Please make sure your EI submission is signed and certified as required by 18 AAC 50.205. Fax your completed EI data to

907-269-7508
 ADEC
 Air Permits Program
 ATTN: Emissions Inventory

References

EPA Air Emissions Inventories Web-site <https://www.epa.gov/air-emissions-inventories>

40 CFR 51 Subpart A—Air Emissions Reporting Requirements <https://www.ecfr.gov/cgi-bin/text-idx?SID=4719db7a48cd26050b0732d0f9adc3ad&mc=true&node=pt40.2.51&rgn=div5>

NEI 2017 Documentation - <https://www.epa.gov/air-emissions-inventories/2017-national-emissions-inventory-nei-documentation>

ADEC EI Instruction - <http://dec.alaska.gov/Applications/Air/airtoolsweb/PointSourceEmissionInventory>

18 AAC 50 Reference Materials -

<http://dec.alaska.gov/Air/anpms/SIP/18AAC50ReferenceMaterials.htm>