

**Alaska Department of Environmental Conservation
Air Quality Control Minor Permit Application**

ADEC USE ONLY

Receiving Date:

ADEC Control #:



**EMISSIONS SUMMARY FORM
Modification of an Existing Stationary Source**

Section 1 Stationary Source Information

Stationary Source Name:	Source Physical Address:	City:
-------------------------	--------------------------	-------

Section 2 Existing Potential to Emit – CO, NO_x, PM-10, PM-2.5, SO₂, lead

Calculate the Potential to Emit for the Entire Stationary Source BEFORE the Modification. Include all emissions units.

Emission Unit No.	Is the emissions unit an existing unit affected by the physical change or change in the method of operation?*[See note.]	Capacity	Potential to Emit (TPY)				
			CO <i>(If within 10 km of nonattainment area)</i>	NO _x	PM-2.5	PM-10	SO ₂
	<input type="checkbox"/> Yes <input type="checkbox"/> No						
	<input type="checkbox"/> Yes <input type="checkbox"/> No						
	<input type="checkbox"/> Yes <input type="checkbox"/> No						
	<input type="checkbox"/> Yes <input type="checkbox"/> No						
	<input type="checkbox"/> Yes <input type="checkbox"/> No						
	<input type="checkbox"/> Yes <input type="checkbox"/> No						
	<input type="checkbox"/> Yes <input type="checkbox"/> No						
	<input type="checkbox"/> Yes <input type="checkbox"/> No						
	<input type="checkbox"/> Yes <input type="checkbox"/> No						
	<input type="checkbox"/> Yes <input type="checkbox"/> No						
	<input type="checkbox"/> Yes <input type="checkbox"/> No						
TOTAL TONS PER YEAR FOR THE STATIONARY SOURCE:							

Detailed emissions calculations are attached. For calculations other than (rated capacity) times (emission factor), these must be attached in order for your application to be complete. You may give an example calculation where the method of calculation is identical for multiple emission units.

Include multiple copies of this page if more space is required.

*Note: Check "Yes" if the emissions unit is being removed, or if:

- emissions from the emissions unit change because of a physical change or change in the method of operation of the emissions unit, or
- emissions increase because you are "debottlenecking" your stationary source so that the emission unit can be operated at a higher rate.

Section 3 Change in Emissions

Show *ONLY* emissions units that are new, or are affected by the physical change or change in the method of operation.

Show *EITHER* the change in actual emissions (Sections 3a – 3c) *OR* the change in potential emissions (Sections 3d and 3e).

Section 3a Actual Emissions – CO*, NO_x, PM-10, PM-2.5, SO₂

If you choose Actual Emissions as your basis, complete Sections 3a, 3b, and, if necessary, 3c for each emissions unit that is new, and for each emissions unit for which you answered “YES” in Section 2. If the emissions unit is new, enter zero for baseline actual emissions. If an existing emissions unit is being removed, enter zero for “projected actual emissions” for that unit.

See 18 AAC 50.502 for directions on calculating “baseline actual emissions” and “projected actual emissions.”

Emission Unit No.	Capacity	Type of Modification				Baseline Actual Emissions (TPY)					Projected Actual Emissions (TPY)				
		New Emission Unit	Modified Emission Unit	Debottle-necked Unit	Removed Emission Unit	CO*	NO _x	PM-2.5	PM-10	SO ₂	CO*	NO _x	PM-2.5	PM-10	SO ₂
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>										
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>										
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>										
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>										
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>										
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>										
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>										
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>										
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>										
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>										
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>										
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>										
TOTAL TONS PER YEAR:															

Detailed emissions calculations are attached. *Note: For calculations other than (rated capacity) times (emission factor), these must be attached in order for your application to be complete. You may give an example calculation where the method of calculation is identical for multiple emission units.*

**Enter Carbon Monoxide emissions ONLY if you are within 10 kilometers of a nonattainment area.*

EMISSIONS SUMMARY FORM – MODIFICATION

Section 3b Change in Actual Emissions

To calculate the change in actual emissions, subtract “baseline actual emissions” from “projected actual emissions” for each pollutant and emissions unit entered in Section 3a.

Emission Unit No.	Change in Actual Emissions (TPY)				
	CO*	NO_x	PM-2.5	PM-10	SO₂
Totals:					

**Enter Carbon Monoxide emissions ONLY if you are within 10 kilometers of a nonattainment area.*

Section 3c Actual Emission Totals

Complete this Section if you need more than one page of Section 3a and 3b to list emissions units that are new or affected by the change.

Include only the emissions from ALL emissions units that are new, or for which you checked “Yes” in Section 2.

Total Baseline Actual Emissions of Units Affected by the Change (TPY) From all pages				
CO*	NO _x	PM-2.5	PM-10	SO ₂

Total Projected Actual Emissions of New Units and Units Affected by the Change (TPY) From all pages				
CO*	NO _x	PM-2.5	PM-10	SO ₂

Total Change in Actual Emissions (TPY) From all pages				
CO*	NO _x	PM-2.5	PM-10	SO ₂

**Enter Carbon Monoxide emissions ONLY if you are within 10 kilometers of a nonattainment area.*

EMISSIONS SUMMARY FORM – MODIFICATION

Section 3d Change in Potential to Emit – CO, NO_x, PM-10, PM-2.5, SO₂

If you choose Potential to Emit as your basis for calculation, complete this section for each emissions unit that is new, and for each emissions unit for which you answered “YES” in Section 2.

Under “Potential to Emit After the Modification,” enter zero if you are removing the emissions unit.

Under “Change in Potential to Emit”:

for each EXISTING emissions unit, subtract the amount in Section 2 from the “Potential to emit AFTER the Modification”
for each NEW emissions unit, enter the amount from “Potential to Emit After the Modification.”

Emission Unit No.	Capacity	Potential to Emit AFTER the Modification [Only from Emissions Units that are part of the Modification. Do Not List Emission Units for which you answered “NO” in Section 2.] (TPY)					Change in Potential to Emit (TPY)				
		CO*	NO _x	PM-2.5	PM-10	SO ₂	CO*	NO _x	PM-2.5	PM-10	SO ₂
TOTAL TONS PER YEAR:											

Include multiple copies of this page if more space is required.

Detailed emissions calculations are attached. Note: For calculations other than (rated capacity) times (emission factor), these must be attached in order for your application to be complete. You may give an example calculation where the method of calculation is identical for multiple emission units.

*Enter Carbon Monoxide emissions ONLY if you are within 10 kilometers of a nonattainment area.

Section 3e Potential to Emit Totals

Complete this Section if you need more than one page of Section 3d to list emissions units that are new or affected by the change.

Total Potential to Emit from Existing Emissions Units that are affected by the change (TPY) From all pages				
CO*	NO _x	PM-2.5	PM-10	SO ₂

Total Potential to Emit AFTER the Modification [from Emissions Units that are new or affected by the change] (TPY) From all pages				
CO*	NO _x	PM-2.5	PM-10	SO ₂

Total Change in Potential to Emit (TPY) From all pages				
CO*	NO _x	PM-2.5	PM-10	SO ₂