

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

ADEC USE ONLY

Receiving Date:

ADEC Control #:



FORM O – PORT OF ANCHORAGE

Note: This form must be used in conjunction with the Department’s *Air Quality Compliance Certification Procedures for Volatile Liquid Storage Tanks, Delivery Tanks, and Loading Racks*, adopted by reference in 18 AAC 50.030. A copy of this document is included in Appendix F of the department’s *Guidance Document for Preparing an Air Quality Control Construction Permit Application*.

The document *Air Quality Compliance Certification Procedures for Volatile Liquid Storage Tanks, Delivery Tanks, and Loading Racks* also constitutes Section IV, Subpart I, of Volume II of the State Air Quality Control Plan. Therefore, throughout this form, whenever “Subpart I” is used, it is referring to the *Air Quality Compliance Certification Procedures for Volatile Liquid Storage Tanks, Delivery Tanks, and Loading Racks*.

Section 1 Stationary Source Information

Source Name:
Source Physical Address
City:

Section 2 Control Systems for Storage Tanks and Loading Racks

2a. Will a flare be used as the control device? YES NO
If yes, the application must include all information necessary to demonstrate compliance with **40 C.F.R. 60.18**.
 Check here if this information is attached.

2b. Is an alternative control system under 18 AAC 50.085(a)(4) or 18 AAC 50.090(a)(1)(D)(ii) being proposed? YES NO
 If yes, the information required by Subpart I, Section 2.a.ii is attached. *Note: This must be attached in order for your application to be complete.*

Section 3 Storage Tank Information

Complete this section for each volatile liquid storage tank with a capacity of 952 barrels (40,000 gallons) or greater that is part of this new construction or modification.

Tank ID:	Tank Diameter:
Tank Height:	Expected yearly product throughput in gallons:
Product(s) to be stored:	
Emission control equipment – check the box for the control equipment you will install: <input type="checkbox"/> Internal Floating Roof <input type="checkbox"/> Tank with Closed Vent System and Control Device <input type="checkbox"/> Alternative Control System	
<input type="checkbox"/> If you checked “Tank with Closed Vent System Control Device,” the operating plan described in Subpart I, Section 2.b.iii is attached. <i>Note: If this is the type of control system you will install, you must attach the operating plan for your application to be complete.</i>	

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Section 3 Storage Tank Information (cont'd)

Tank ID:	Tank Diameter:
Tank Height:	Expected yearly product throughput in gallons:
Product(s) to be stored:	
Emission control equipment – check the box for the control equipment you will install: <input type="checkbox"/> Internal Floating Roof <input type="checkbox"/> Tank with Closed Vent System and Control Device <input type="checkbox"/> Alternative Control System	
<input type="checkbox"/> If you checked “Tank with Closed Vent System Control Device,” the operating plan described in Subpart I, Section 2.b.iii is attached. <i>Note: If this is the type of control system you will install, you must attach the operating plan for your application to be complete.</i>	

Tank ID:	Tank Diameter:
Tank Height:	Expected yearly product throughput in gallons:
Product(s) to be stored:	
Emission control equipment – check the box for the control equipment you will install: <input type="checkbox"/> Internal Floating Roof <input type="checkbox"/> Tank with Closed Vent System and Control Device <input type="checkbox"/> Alternative Control System	
<input type="checkbox"/> If you checked “Tank with Closed Vent System Control Device,” the operating plan described in Subpart I, Section 2.b.iii is attached. <i>Note: If this is the type of control system you will install, you must attach the operating plan for your application to be complete.</i>	

Tank ID:	Tank Diameter:
Tank Height:	Expected yearly product throughput in gallons:
Product(s) to be stored:	
Emission control equipment – check the box for the control equipment you will install: <input type="checkbox"/> Internal Floating Roof <input type="checkbox"/> Tank with Closed Vent System and Control Device <input type="checkbox"/> Alternative Control System	
<input type="checkbox"/> If you checked “Tank with Closed Vent System Control Device,” the operating plan described in Subpart I, Section 2.b.iii is attached. <i>Note: If this is the type of control system you will install, you must attach the operating plan for your application to be complete.</i>	

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

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Section 4 Product Information

Complete this section for each volatile liquid kept in a storage tank with a capacity of 952 barrels (40,000 gallons) or greater that is part of this new construction or modification.

Product Name:		
Product Common Name (if applicable):		
Tank ID #s where Product Is Stored:		
Product Volatility (RVP):	<u>Season (month - month):</u>	<u>RVP (psi):</u>
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
Slope of the ASTM distillation curve at 10 percent evaporated, if known:		
Molecular weight of the vapor (lb/lb-mole) at 60°F, if known:		
Average organic liquid density (lb/gal), if known:		
The weight percentage and molecular weight of each compound in the stored liquid:		

Product Name:		
Product Common Name (if applicable):		
Tank ID #s where Product Is Stored:		
Product Volatility (RVP):	<u>Season (month - month):</u>	<u>RVP (psi):</u>
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
Slope of the ASTM distillation curve at 10 percent evaporated, if known:		
Molecular weight of the vapor (lb/lb-mole) at 60°F, if known:		
Average organic liquid density (lb/gal), if known:		
The weight percentage and molecular weight of each compound in the stored liquid:		

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

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Section 5 Internal Floating Roof Tanks

Complete this section for each volatile liquid storage tank with an internal floating roof.

Tank ID:			
Check the appropriate box:			
5a. <input type="checkbox"/> This will be a new storage tank subject to 18 AAC 50.085.			
5b. <input type="checkbox"/> This is an existing storage tank. It will become subject to 18 AAC 50.085 because the product stored in it in the future will be a volatile liquid.			
5c. Complete each item below.			
Tank Construction: <input type="checkbox"/> Welded <input type="checkbox"/> Riveted			
Basic Dimensions of Tank:		Diameter (feet):	Height (feet):
Vent Design for Internal Roof: <input type="checkbox"/> Freely Vented <input type="checkbox"/> Pressure-Vacuum Vent			
Vent Information:	Height (feet):	Dimensions (feet):	Relative Location:
Number and Types of Roof Seals:	Liquid Mounted Resilient Seal:		Number
	<input type="checkbox"/> Primary Only		_____
	<input type="checkbox"/> With Rim Mounted Secondary Seal		_____
	Vapor Mounted Resilient Seal:		
	<input type="checkbox"/> Primary Only		_____
	<input type="checkbox"/> With Rim Mounted Secondary Seal		_____
	<input type="checkbox"/> Other, Specify:		_____
Type and Number of Each Deck Fitting, if known.			
			Number
Access Hatch			
	<input type="checkbox"/> Bolted cover, gasketed		_____
	<input type="checkbox"/> Unbolted cover, gasketed		_____
	<input type="checkbox"/> Unbolted cover, ungasketed		_____
Automatic gauge float well			
	<input type="checkbox"/> Bolted cover, gasketed		_____
	<input type="checkbox"/> Unbolted cover, gasketed		_____
	<input type="checkbox"/> Unbolted cover, ungasketed		_____
Column well			
	<input type="checkbox"/> Built-up column-sliding cover, gasketed		_____
	<input type="checkbox"/> Built-up column-sliding cover, ungasketed		_____
	<input type="checkbox"/> Pipe column-flexible fabric sleeve seal		_____
	<input type="checkbox"/> Pipe column-sliding cover, gasketed		_____
	<input type="checkbox"/> Pipe column-sliding cover, ungasketed		_____

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Section 6 Tanks with Closed Vent System and Control Device

Complete this section for each volatile liquid storage tank with a closed vent/control device system.

6a. For each volatile liquid storage tank with a Closed Vent System and Control Device, the operating plan described in 40 C.F.R. 60.113b(c)(1)(i) and (ii) is attached.

Section 7 Loading Racks

Complete this section for each volatile liquid loading rack that will be subject to 18 AAC 50.090 and is part of this new construction or modification.

7a. Loading Rack Identification:

7b. Indicate whether the following items are attached. *Note: The information in this section may be partly satisfied under Section 2 of this form.*

A description of the volatile liquid loading rack as described in Subpart I, Section 2.c.i.

A description of the vapor collection system as described in Subpart I, Section 2.c.ii.

A description of the vapor processing system as described in Subpart I, Section 2.c.iii.

Note: These items must be attached in order for your application to be complete

Section 8 Attachments

Attachments Included. List attachments: _____

