

**Texas Commission on Environmental Quality**  
**Table 7(c)**  
**External Floating Roof Storage Tank Summary**

<b>I. Tank Identification</b> <i>(Use a separate form for each tank).</i>		
Applicant's Name:		
Location <i>(indicate on plot plan and provide coordinates):</i>		
Tank No.:	Emission Point No. (EPN) <i>(from flow diagram):</i>	
FIN:	CIN:	
Status: <input type="checkbox"/> New Tank <input type="checkbox"/> Altered Tank <input type="checkbox"/> Relocation <input type="checkbox"/> Change of Service		
Previous Permit No., Permit by Rule No., or Exemption No.:		
<b>II. Tank Physical Characteristics</b>		
Dimensions		
Shell Height (ft.):	Diameter (ft.):	Maximum Liquid Height (ft.):
Nominal Capacity or Tank Volume <i>(gallons):</i>		
Turnovers per year:		Net Throughput <i>(gallons/year):</i>
Maximum Pumping Rate <i>(gallons/hour<sup>1</sup>):</i>		
Shell and Paint Characteristics		
Shell Condition: <input type="checkbox"/> Light Rust <input type="checkbox"/> Dense Rust <input type="checkbox"/> Gunite Lining		
Paint Color/Shade: <input type="checkbox"/> White/White <input type="checkbox"/> Aluminum/Specular <input type="checkbox"/> Aluminum/Diffuse		
<input type="checkbox"/> Gray/Light <input type="checkbox"/> Gray/Medium <input type="checkbox"/> Red/Primer		
<input type="checkbox"/> Other <i>(Describe):</i>		
Paint Condition: <input type="checkbox"/> Good <input type="checkbox"/> Poor		
Tank Construction and Rim-Seal System		
Tank Construction: <input type="checkbox"/> Welded <input type="checkbox"/> Riveted		
Primary Seal: <input type="checkbox"/> Vapor-mounted <input type="checkbox"/> Liquid-mounted <input type="checkbox"/> Mechanical Shoe		
Secondary Seal: <input type="checkbox"/> Rim-mounted <input type="checkbox"/> Shoe-mounted <input type="checkbox"/> None		
Roof Type: <input type="checkbox"/> Pontoon <input type="checkbox"/> Double Deck		
Roof Fitting Loss Factor:		lb-mole/year
Based Upon: <input type="checkbox"/> Typical Fittings <input type="checkbox"/> Controlled Fittings <input type="checkbox"/> Actual Fittings		
<i>Complete Section IV, Fittings Information, to record fittings count used to calculate the roof fitting loss factor.</i>		

<sup>1</sup> Use the higher of the maximum fill rate or maximum withdrawal rate.

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<b>III. Liquid Properties of Stored Material</b>				
Chemical Category: <input type="checkbox"/> Organic Liquids <input type="checkbox"/> Petroleum Distillates <input type="checkbox"/> Crude Oils				
Single or Multi-Component Liquid: <input type="checkbox"/> Single ( <i>complete Section III.1.</i> ) <input type="checkbox"/> Multiple ( <i>complete Section III.2.</i> )				
1.    Single Component				
Chemical Name:				
Average Liquid Surface Temperature (°F):				
True Vapor Pressure at Average Liquid Surface Temperature ( <i>psia</i> ):				
Liquid Molecular Weight:				
2.    Multiple Component Information				
Mixture Name:				
Average Liquid Surface Temperature (°F):				
Minimum Liquid Surface Temperature (°F):				
Maximum Liquid Surface Temperature (°F):				
True Vapor Pressure at Average Liquid Surface Temperature ( <i>psia</i> ):				
True Vapor Pressure at Minimum Liquid Surface Temperature ( <i>psia</i> ):				
True Vapor Pressure at Maximum Liquid Surface Temperature ( <i>psia</i> ):				
Liquid Molecular Weight:			Vapor Molecular Weight:	
<b>Chemical Components Information</b> ( <i>Below</i> )				
Chemical Name	CAS Number	Percent of Total Liquid Weight ( <i>typical</i> )	Percent of Total Vapor Weight ( <i>typical</i> )	Molecular Weight
Permit No.:			Tank No.:	

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<b>IV. Fitting Information</b>		
<b>Fitting Type</b>	<b>Fitting Status</b>	<b>Quantity</b>
Access Hatch (24-in. Diam.)	Bolted Cover, Gasketed	
Access Hatch (24-in. Diam.)	Unbolted Cover, Gasketed	
Access Hatch (24-in. Diam.)	Unbolted Cover, Ungasketed	
Gauge-Float Well (20-in.Diam.)	Bolted Cover, Gasketed	
Gauge-Float Well (20-in.Diam.)	Unbolted Cover, Gasketed	
Gauge-Float Well (20-in.Diam.)	Unbolted Cover, Ungasketed	
Gauge-Hatch/Sample Well (8-in.Diam.)	Weighted Mech. Actuation, Gask.	
Gauge-Hatch/Sample Well (8-in.Diam.)	Weighted Mech. Actuation, Ungask.	
Rim Vent (6-in. Diam.)	Weighted Mech. Actuation, Gask.	
Rim Vent (6-in. Diam.)	Weighted Mech. Actuation, Ungask.	
Roof Drain (3-in. Diam.)	Open	
Roof Drain (3-in. Diam.)	90% closed	
Roof Leg (2.5-in. Diam.)	Adjustable, Center Area	
Roof Leg (2.5-in. Diam.)	Adjustable, Pontoon Area	
Roof Leg (2.5-in. Diam.)	Adjustable, Double-Deck Roofs	
Roof Leg (2.5-in. Diam.)	Fixed	
Roof Leg (3-in. Diam.)	Adjustable, Center Area	
Roof Leg (3-in. Diam.)	Adjustable, Pontoon Area	
Roof Leg (3-in. Diam.)	Adjustable, Double-Deck Roofs	
Roof Leg (3-in. Diam.)	Fixed	
Slotted Guide-Pole/Sample Well	Ungask. Sliding Cover, w/o Float	
Slotted Guide-Pole/Sample Well	Gask. Sliding Cover, w. Float	
Slotted Guide-Pole/Sample Well	Gask. Sliding Cover, w/o Float	
Slotted Guide-Pole/Sample Well	Ungask. Sliding Cover, w. Float	
Unslotted Guide-Pole Well	Gasketed Sliding Cover	
Unslotted Guide-Pole Well	Ungasketed Sliding Cover	
Vacuum Breaker (10-in. Diam. Well)	Weighted Mech. Actuation, Gask.	
Vacuum Breaker (10-in. Diam. Well)	Weighted Mech. Actuation, Ungask.	