

Major Source Operating Permit Application
Storage Tanks

Form 70-06

1	Facility Name			
2	Storage Tank Description			
3	Equipment Identification Number:			
4	Location of the storage tank or tank farm in UTM coordinates:	North	East	
5	Storage tank capacity in gallons			
6	Year of installation			
7	Tank height in feet			
8	Tank diameter in feet			
9	Tank color			
10	Is this tank equipped with submerged fill pipe?			
11	Type of storage tank	<input type="checkbox"/> Open top tank	<input type="checkbox"/> Fixed roof w/ internal floating roof	
		<input type="checkbox"/> Pressurized tank	<input type="checkbox"/> Variable vapor space	
		<input type="checkbox"/> Fixed roof	<input type="checkbox"/> Other (Specify)	
		<input type="checkbox"/> External floating roof		
FOR FIXED ROOF TANKS				
12	A. Tank configuration (check one)	<input type="checkbox"/> Vertical (upright cylinder)	<input type="checkbox"/> Horizontal	
	B. Tank roof type (check one)	<input type="checkbox"/> Cone roof	<input type="checkbox"/> Dome roof	
	C. Tank roof height in feet			
	D. Shell radius in feet			
FOR FLOATING ROOF TANKS (BOTH INTERNAL AND EXTERNAL)				
13	Shell condition (check one)	<input type="checkbox"/> Light rust	<input type="checkbox"/> Dense rust <input type="checkbox"/> Gunitite Lined	
FOR EXTERNAL FLOATING ROOF TANKS				
14	A. Tank Construction	<input type="checkbox"/> Welded	<input type="checkbox"/> Riveted	
	B. Rim seal system description (check one)	<input type="checkbox"/> Shoe mounted primary	<input type="checkbox"/> Shoe primary and secondary	
		<input type="checkbox"/> Shoe primary, rim secondary	<input type="checkbox"/> Liquid mounted primary	
		<input type="checkbox"/> Liquid primary w/ weather shield	<input type="checkbox"/> Liquid primary, rim secondary	
		<input type="checkbox"/> Vapor mounted primary	<input type="checkbox"/> Vapor primary w/ weather shield	
		<input type="checkbox"/> Vapor primary, rim secondary		
	C. Roof type (Check one)	Pontoon	Double deck	
	D. Roof fitting types (indicate the number of each type)	<i>Access hatch (24" diameter well)</i>		<i>Gauge-float (20" diameter)</i>
<input type="checkbox"/>		Bolted cover, gasketed	<input type="checkbox"/>	Unbolted cover, ungasketed
<input type="checkbox"/>		Unbolted cover, gasketed	<input type="checkbox"/>	Unbolted cover, gasketed
<input type="checkbox"/>		Unbolted cover, ungasketed	<input type="checkbox"/>	Bolted cover, gasketed
<i>Vacuum breaker (10" diameter well)</i>		<i>Gauge-hatch/sample well (8" diameter)</i>		
<input type="checkbox"/>		Weighted mechanical actuation gasketed	<input type="checkbox"/>	Weighted mechanical actuation gasketed
<input type="checkbox"/>	Weighted mechanical actuation ungasketed	<input type="checkbox"/>	Weighted mechanical actuation ungasketed	

Continued

D. Roof fitting types (indicate the number of each type) (continued)	<i>Slotted guide-pole/sample well (8" diameter slotted pole, 21" diameter well)</i>		<i>Roof Leg (3" diameter)</i>	
		Ungasketed sliding cover, without float		Adjustable, pontoon area
		Ungasketed sliding cover, with float		Adjustable, center area
		Gasketed sliding cover, without float		Adjustable, double-deck roof
		Gasketed sliding cover, with float		Fixed
	<i>Roof Leg (2½ diameter)</i>		<i>Unslotted guide-pole well (8" diameter unslotted pole, 21" diameter well)</i>	
		Adjustable, pontoon area		Ungasketed sliding cover
		Adjustable, center area		Gasketed sliding cover
		Adjustable, double deck roofs	<i>Roof Drain</i>	
		Fixed		Open
			90% Closed	

15	FOR INTERNAL FLOATING ROOF TANKS				
	A. Rim Seal System Description	<input type="checkbox"/> Liquid mounted primary <input type="checkbox"/> Vapor mounted primary		<input type="checkbox"/> Liquid mounted primary plus secondary seal <input type="checkbox"/> Vapor mounted primary plus secondary seal	
	B. Number of columns				
	C. Effective column diameter (in feet):				
	D. Deck type (check one)	<input type="checkbox"/> Welded		<input type="checkbox"/> Bolted	
	E. Total deck seam length (in feet)				
	F. Deck area (in square feet)				
	G. Deck fitting types (indicate the number of each type)	<i>Access hatch (24" diameter)</i>		<i>Automatic gauge float well</i>	
			Bolted cover, gasketed		Unbolted cover, ungasketed
			Unbolted cover, gasketed		Unbolted cover, gasketed
			Unbolted cover, ungasketed		Bolted cover, gasketed
		<i>Ladder well</i>		<i>Vacuum breaker</i>	
			Sliding cover, gasketed		Weighted mechanical actuation gasketed
			Sliding cover, ungasketed		Weighted mechanical actuation ungasketed
		<i>Sample pipe or well</i>		<i>Column Well</i>	
			Slotted pipe-sliding cover, gasketed		Built-up column, sliding cover, gasketed
			Slotted pipe-sliding cover, ungasketed		Built-up column, sliding cover, ungasketed
			Sample well-slit fabric seal, 10% open area		Pipe column, flexible fabric sleeve seal
		Stub drain, 1 inch diameter		Pipe column, sliding cover, gasketed	
<i>Roof leg or hanger well</i>					
	Adjustable		Pipe column, sliding cover, ungasketed		
	Fixed				

16	FOR VARIABLE VAPOR SPACE TANKS	
	Volume expansion capacity (in gallons)	

17	COMPLETE THE FOLLOWING TABLE FOR MATERIALS TO BE STORED IN THIS TANK							
	Material or component stored	WT %	Material annual throughput (gal/yr)	Material stored – daily average (gal)	Component molecular weights (lb/lb mole)	Component vapor pressures (PSIA)	Material storage pressure (PSIA)	Material average storage temp. (Deg. F)
Multipurpose tank with variable composition				<input type="checkbox"/> Yes		<input type="checkbox"/> No		

18	Describe the operation this tank will serve	
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19	Page Number	Revision Number	Date of Revision
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