



## INSTRUCTIONS FOR CRUDEOILFORM001

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This form is to be used for oilfield storage tanks, oil wells, and crude oil loading racks. Use additional forms as necessary to include all equipment. Include a process flow diagram with this application form that shows the wells, tanks, oil loading racks, and associated vapor recovery systems. Specify if the vapor recovery system is a sales gas system, or a combustion system that uses a flare, engine, heater, or other device to combust the recovered vapors.

*Information on Tanks* - The District has four (4) categories of tanks. If the subject tank is cannot be categorized as “Oil Storage, LACT, Wash, or Produced Water”, please explain the function of the tank in the cover letter for the application. Note that the District makes a distinction between an Oil Storage Tank and a LACT Tank. An Oil Storage Tank will have an associated limit on crude oil throughput and a LACT Tank will not. If the tank has a Crude Oil Loading Rack, it is by definition an Oil Storage Tank. A LACT Tank does not have an associated Crude Oil Loading Rack. A LACT Tank is assumed to operate at a near constant liquid level. A tank that ships oil by pipeline in batches, such that the tank level varies from nearly empty to nearly full, is considered to be an Oil Storage Tank. As such, include an Expected Annual Throughput for Oil Storage Tanks only. Note that the expected annual throughput will be used as a permit limit.

Note that Rule 71.1, “Crude Oil Production and Separation”, requires tanks to be equipped with a vapor recovery system unless they are specifically exempted by the rule.

*Information on Oil Wells*- The District lists and limits the number of oil wells on the permit. List the type of artificial lift equipment, if any, and the power source. Note that the Best Available Control Technology (BACT) requirement of Rule 26 requires that new wells, if not free flowing, be equipped with electric motor driven artificial lift equipment.

*Information on Crude Oil Loading Racks* - The District lists Crude Oil Loading Racks on permit and limits the annual oil throughput. Include the Loading Capacity in barrels per hour and the Expected Annual Throughput in barrels per year for the Crude Oil Loading Rack. Note that the expected annual throughput will be used as a permit limit.

Note that Rule 71.3, “Transfer of Reactive Organic Compound Liquids”, requires loading racks to be equipped with a vapor recovery system unless they are specifically exempted by the rule.

**Please Note:** All Permits to Operate issued by the Air Pollution Control District include conditions that limit the crude oil throughput for Oil Storage Tanks and Crude Oil Loading Racks on the permit. The conditions limit the throughput over each consecutive rolling period of twelve calendar months. The conditions are used to calculate the annual permitted emissions.



**CRUDE OIL PRODUCTION FACILITY**

*Use this form to report tanks, new wells, and oil loading racks. If any fuel burning equipment is proposed, use the appropriate form-Engine001 for natural gas fired engines, Engine002 for diesel or gasoline engines, or Boiler001 for boilers, heaters, or steam generators. Use one line to report each piece of equipment. Use additional forms as necessary to report all equipment.*

**Tank Information** *Oil Storage Tanks are operated with a varying liquid level, often with a crude oil loading rack. LACT Tanks are operated at a near constant liquid level. LACT tanks, by definition, do not use crude oil loading racks.*

Tank ID	Tank Size (bbl)	Tank Type	Vapor pressure of stored material (psia)	Tank Diameter (feet)	Tank Height (feet)	Vapor Recovery	Expected Annual Throughput (oil storage tanks only) (barrels per year)
		<input type="checkbox"/> Oil Storage <input type="checkbox"/> LACT <input type="checkbox"/> Wash <input type="checkbox"/> Produced Water <input type="checkbox"/> Other (explain)				<input type="checkbox"/> Yes <input type="checkbox"/> No	
		<input type="checkbox"/> Oil Storage <input type="checkbox"/> LACT <input type="checkbox"/> Wash <input type="checkbox"/> Produced Water <input type="checkbox"/> Other (explain)				<input type="checkbox"/> Yes <input type="checkbox"/> No	
		<input type="checkbox"/> Oil Storage <input type="checkbox"/> LACT <input type="checkbox"/> Wash <input type="checkbox"/> Produced Water <input type="checkbox"/> Other (explain)				<input type="checkbox"/> Yes <input type="checkbox"/> No	

**New Oil Well Information**

Well ID Number	Type	Power Source
	<input type="checkbox"/> Free Flowing <input type="checkbox"/> Rod Pump <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other	<input type="checkbox"/> None <input type="checkbox"/> Electricity <input type="checkbox"/> Natural Gas Fired Engine If $\geq 50$ BHP complete Form Engine001
	<input type="checkbox"/> Free Flowing <input type="checkbox"/> Rod Pump <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other	<input type="checkbox"/> None <input type="checkbox"/> Electric <input type="checkbox"/> Natural Gas Fired Engine If $\geq 50$ BHP complete Form Engine001
	<input type="checkbox"/> Free Flowing <input type="checkbox"/> Rod Pump <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other	<input type="checkbox"/> None <input type="checkbox"/> Electric <input type="checkbox"/> Natural Gas Fired Engine If $\geq 50$ BHP complete Form Engine001

**Crude Oil Loading Racks (Associated with Oil Storage Tanks, but not LACT Tanks)**

Loading Rack ID	Vapor Recovery	Loading Capacity (barrels per hour)	Expected Annual Throughput (barrels per year)
	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	<input type="checkbox"/> Yes <input type="checkbox"/> No		