# Organic Liquid Storage Tank

## Equipment

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<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>1. Tank manufacturer:</td>
<td>2. Identification number:</td>
</tr>
<tr>
<td>3. Installation date:</td>
<td>4. Volume: ___ gallons</td>
</tr>
<tr>
<td>5. Inside tank diameter: ___ feet</td>
<td>6. Tank height: ___ feet</td>
</tr>
<tr>
<td>7. True vapor pressure of liquid: ___ psia</td>
<td>8. Reid vapor pressure of liquid: ___ psi</td>
</tr>
<tr>
<td>13. Average liquid height (feet):</td>
<td>14. Access hatch: □ Yes □ No  Number:</td>
</tr>
</tbody>
</table>

### Type of Seals:
- a. Primary seals:
  - □ Mechanical shoe
  - □ Resilient filled
  - □ Liquid filled
  - □ Vapor mounted
  - □ Liquid mounted
  - □ Flexible wiper
- b. Secondary seal:
  - Type: __________________________

### Deck Fittings:
- Gauge float well □ Yes □ No  Number: ___
- Sample well □ Yes □ No  Number: ___
- Roof drains □ Yes □ No  Number: ___
- Rim vents □ Yes □ No  Number: ___
- Vacuum Break □ Yes □ No  Number: ___
- Roof leg □ Yes □ No  Number: ___
- Ladder break □ Yes □ No  Number: ___
- Column well □ Yes □ No  Number: ___
- Other: ____________________________

### Shell Characteristics:
- Condition: __________________________
- Breather Vent Settings: __________________________
- Tank Construction: __________________________
- Roof Type: __________________________
- Deck Construction: __________________________
- Deck Fitting Category: __________________________

### Type of Construction:
- □ Vertical Fixed Roof
- □ Horizontal Fixed Roof
- □ Internal Floating Roof
- □ External Floating Roof
- □ Other (please specify)

### Additional Controls:
- □ Gas Blanket
- □ Venting
- □ Carbon Adsorption
- □ Thermal Oxidation
- □ Other: ____________________________

## 20. Single Liquid Information

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<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Liquid Name:</td>
<td>Liquid Name:</td>
</tr>
<tr>
<td>CAS Number:</td>
<td>CAS Number:</td>
</tr>
<tr>
<td>Avg. Temperature:</td>
<td>Avg. Temperature:</td>
</tr>
<tr>
<td>Vapor Pressure:</td>
<td>Vapor Pressure:</td>
</tr>
<tr>
<td>Liquid Molecular Weight:</td>
<td>Liquid Molecular Weight:</td>
</tr>
</tbody>
</table>
Form 20 - Organic Liquid Storage Tank  
(Continued)

### 21. Chemical Components Information

<table>
<thead>
<tr>
<th>Chemical Name:</th>
<th>Percent of Total Liquid Weight:</th>
<th>Molecular Weight:</th>
<th>Avg. Liquid Temperature:</th>
<th>Vapor Pressure:</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>

### Emissions Calculations (PTE)

22. Calculated emissions for this device:

VOC _________Lbs/hr_____ Tons/yr  
HAPs_________Lbs/hr (speciate)_____Tons/yr (speciate)

Submit calculations as an appendix. Provide Material Safety Data Sheets for products being stored.

### Instructions

Note: 1. **Submit this form in conjunction with Form 1 and Form 2.**  
2. Call the Division of Air Quality (DAQ) at **(801) 536-4000** if you have problems or questions in filling out this form.  
   Ask to speak with a New Source Review engineer. We will be glad to help!

1. Indicate the tank manufacturer's name.  
2. Supply the equipment identification number that will appear on the tank.  
3. Indicate the date of installation.  
4. Indicate the capacity of the tank in gallons or barrels.  
5. Specify the inside tank diameter in feet.  
6. Specify the tank height in feet.  
7. Indicate the true vapor pressure of the liquid (psia).  
8. Indicate the Reid vapor pressure of the liquid (psi).  
9. Indicate the outside color of the tank.  
10. Supply the highest temperature the liquid will reach during storage (degrees Fahrenheit).  
11. Indicate average annual throughput (gallons).  
12. Specify how many times the tank will be emptied and refilled per year, month or week.  
13. Specify the average liquid height (feet).  
14. Indicate whether or not the tank has access hatches and the number.  
15. Indicate what type of seals the tank has.  
16. Indicate what types of deck fittings are installed.  
17. Specify condition of the tank, also include the following:  
   - Breather vent settings in (psig) for fixed roof tanks  
   - Tank construction, welded or riveted  
   - Roof type; pontoon, double deck, or self-supporting roof  
   - Deck construction; bolted or welded, sheet or panel construction sizes and seam length  
   - Deck fitting category; typical, controlled, or detail  
18. Indicate the type of tank construction.  
19. Indicate other types of additional controls which will be used.  
20. Provide information on liquid being stored, add additional sheets as necessary.  
21. Provide information on chemicals being stored, add additional sheets as necessary.  
22. Supply calculations for all criteria pollutants and HAPs. Use AP-42 or manufacturers’ data to complete your calculations.