Utah Division of Air Quality
New Source Review Section

Form 20
Organic Liquid Storage Tank

Company: _____
Site/Source: _____
Date: _____

Equipment

1. Tank manufacturer: _____	2. Identification number: _____
3. Installation date: _____	4. Volume: _____ gallons
5. Inside tank diameter: _____ feet	6. Tank height: _____ feet
7. True vapor pressure of liquid: _____ psia	8. Reid vapor pressure of liquid: _____ psi
9. Outside color of tank: _____	10. Maximum storage temperature: _____ ^{O}F
11. Average throughput: _____ gallons per year	12. Turnovers/yearly ____ Monthly ____ Weekly ___
13. Average liquid height (feet): _____	14. Access hatch: □ Yes □ No Number _____
15. Type of Seals: a. Primary seals: □ Mechanical shoe □ Resilient filled □ Liquid filled □ Vapor mounted □ Liquid mounted □ Flexible wiper b. Secondary seal: Type: _____	16. Deck Fittings: Gauge float well □ Yes □ No Number_____ Gauge hatch/ 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 well □ Yes □ No Number_____ Column well □ Yes □ No Number_____ Other:_____
17. Shell Characteristics: Condition: _____ Breather Vent Settings: _____ Tank Construction: _____ Roof Type: _____ Deck Construction: _____ Deck Fitting Category: _____	18. Type of Construction: □ Vertical Fixed Roof □ Horizontal Fixed Roof □ Internal Floating Roof □ External Floating Roof □ Other (please specify) _____

19. Additional Controls:

□ Gas Blanket □ Venting □ Carbon Adsorption □ Thermal Oxidation □ Other:_____

20. Single Liquid Information

Liquid Name: _____	Liquid Name: _____
CAS Number: _____	CAS Number: _____
Avg. Temperature: _____	Avg. Temperature: _____
Vapor Pressure: _____	Vapor Pressure: _____
Liquid Molecular Weight: _____	Liquid Molecular Weight: _____

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(Continued)

21. **Chemical Components Information**	
Chemical Name: _____	Chemical Name: _____
Percent of Total Liquid Weight: _____	Percent of Total Liquid Weight: _____
Molecular Weight: _____	Molecular Weight: _____
Avg. Liquid Temperature: _____	Avg. Liquid Temperature: _____
Vapor Pressure: _____	Vapor Pressure: _____

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.