**Texas Commission on Environmental Quality**

**Table 7(a)**

**Vertical Fixed Roof Storage Tank Summary**

| **I. Tank Identification *(Use a separate form for each tank)*** | | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Applicant’s Name: | | | | | | | | | | | | | | |
| Location *(indicate on plot plan and provide coordinates)*: | | | | | | | | | | | | | | |
| Tank No.: | | | | | | | | | | | Emission Point No. (EPN) *(from flow diagram)*: | | | |
| FIN: | | | | | | | | | | | CIN: | | | |
| Status: | New Tank | | | | | Altered Tank | | | | Relocation | | | Change of Service | |
| Previous Permit No., Permit by Rule No., or Exemption No.: | | | | | | | | | | | | | | |
| **II. Tank Physical Characteristics** | | | | | | | | | | | | | | |
| **Dimensions** | | | | | | | | | | | | | | |
| Shell Height *(ft.)*: | | | | | | | Diameter *(ft.):* | | | | | Maximum Liquid Height *(ft.)*: | | |
| Nominal Capacity or Working Volume *(gallons)*: | | | | | | | | | | | | Turnovers per year: | | |
| Net Throughput *(gallons/year)*: | | | | | | | | | Maximum Filling Rate *(gallons/hour)*: | | | | | |
| **Paint Characteristics** | | | | | | | | | | | | | | |
| Shell Color/Shade: | | | | | White/White | | | | | | Aluminum/Specular | | | Aluminum/Diffuse |
|  | | | | | Gray/Light | | | | | | Gray/Medium | | | Red/Primer |
| Other: | | | | | | | | | | | | | | |
| Shell Condition: | | Good | | | | | | Poor | | | | | | |
| Roof Color/Shade: | | | | | White/White | | | | | | Aluminum/Specular | | | Aluminum/Diffuse |
|  | | | | | Gray/Light | | | | | | Gray/Medium | | | Red/Primer |
| Other: | | | | | | | | | | | | | | |
| Roof Condition: | | | | Good | | | | Poor | | | | | | |
| **Rood Characteristics** | | | | | | | | | | | | | | |
| Roof Type: | | | Dome | | | | | Cone | | | | | | |
| Roof Height *(not including shell height) (ft.)*: | | | | | | | | | | | | | | |
| Radius *(Dome Roof Only) (ft.)* | | | | | | | | | | | Slope *(Cone Roof Only) (ft/ft)* | | | |
| **Breather Vent Settings** | | | | | | | | | | | | | | |
| Combination Vent Valve Number: | | | | | | | | | | | | | | |
| Combination Vent Valve Pressure Setting *(psig)*: | | | | | | | | | | | | | | |
| Combination Vent Valve Vacuum Setting *(psig)*: | | | | | | | | | | | | | | |
| SPECIFY “Atmosphere” or Discharging to *(name of abatement device)*: | | | | | | | | | | | | | | |
| Pressure Vent Valve Number: | | | | | | | | | | | | | | |
| Pressure Vent Valve Pressure Setting *(psig)*: | | | | | | | | | | | | | | |
| SPECIFY “Atmosphere” or Discharging to *(name of abatement device)*: | | | | | | | | | | | | | | |

**Texas Commission on Environmental Quality**

**Table 7(a)**

**Vertical Fixed Roof Storage Tank Summary**

| Permit No.: | | | | Tank No.: | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **II. Tank Physical Characteristics** | | | | | | | |
| **Breather Vent Settings *(continued)*** | | | | | | | |
| Vacuum Vent Valve Number: | | | | | | | |
| Vacuum Vent Valve Vacuum Setting *(psig)*: | | | | | | | |
| Open Vent Valve Number: | | | | | | | |
| SPECIFY “Atmosphere” or Discharging to *(name of abatement device)*: | | | | | | | |
| **III. Liquid Properties of Stored Material** | | | | | | | |
| Chemical Category: | Organic Liquid | | | Petroleum Distillates | | Crude Oils | |
| Single *(Complete Section III.1.)* | | | | Multi-Component Liquid *(Complete Section III.2.)* | | | |
| **1.** **Single Component Information** | | | | | | | |
| Chemical Name: | | | | | | | |
| CAS Number: | | | | | | | |
| Average Liquid Surface Temperature *(°F)*: | | | | | | | |
| True Vapor Pressure at Average Liquid Surface Temperature *(psia)*: | | | | | | | |
| 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 *(psia)*: | | | | | | | |
| True Vapor Pressure at Minimum Liquid Surface Temperature *(psia)*: | | | | | | | |
| True Vapor Pressure at Maximum Liquid Surface Temperature *(psia)*: | | | | | | | |
| Liquid Molecular Weight: | | | | | | | |
| Vapor Molecular Weight: | | | | | | | |
| **Chemical Components Information** | | | | | | | |
| **Chemical Name** | | **CAS No.** | **Percent of Total Liquid Weight *(typical)*** | | **Percent of Total Vapor Weight *(typical)*** | | **Molecular Weight** |
|  | |  |  | |  | |  |
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