**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)*: |

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**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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