| **MDEQ NOTICE OF INTENT FOR COVERAGE UNDER THE OIL PRODUCTION GENERAL PERMIT TO CONSTRUCT/OPERATE AIR EMISSIONS EQUIPMENT AT A SYNTHETIC MINOR SOURCE** |
| --- |
| **Tank Summary** | **Section OPGP-E** |
| **1.** | **Emission Point Description** |
|  |  |
|  |  |  |
|  | A. | Emission Point Designation (Ref. No.): |  |  |
|  |  |  |
|  | B. | Product(s) Stored: |  |  |
|  |  |  |
|  | C. | Status: | [ ]  | Operating | [ ]  | Proposed | [ ]  | Under Construction |
|  |  |  |
|  | D. | Date of construction, reconstruction, or most recent modification (for existing sources) or date of anticipated construction: |  |  |
|  |  |  |
| **2.** | **Tank Data** |
|  |  |  |
|  | A. | Tank Specifications: |
|  |  |  |
|  |  | 1. | Design capacity  |  | gallons |
|  |  | 2. | True vapor pressure at storage temperature: |  | psia @ |  | oF |
|  |  | 3. | Maximum true vapor pressure (as defined in §60.111b) |  | psia @ |  | oF |
|  |  | 4. | Reid vapor pressure at storage temperature: |  | psia @ |  | oF |
|  |  | 5. | Density of product at storage temperature: |  | lb/gal |  |  |
|  |  | 6. | Molecular weight of product vapor at storage temp. |  | lb/lbmol |  |  |
|  |  |  |
|  | B. | Tank Orientation: | [ ]  | Vertical | [ ]  | Horizontal |
|  |  |  |
|  | C. | Type of Tank: |
|  |  |  |
|  |  | [ ]  | Fixed Roof | [ ]  | External Floating Roof | [ ]  | Internal Floating Roof |
|  |  |  |
|  |  | [ ]  | Pressure | [ ]  | Variable Vapor Space | [ ]  | Other: |  |  |
|  |  |  |
|  | D. | Is the tank equipped with a Vapor Recovery System and/or flare? | [ ]  | Yes | [ ]  | No |
|  |  | *If yes, describe below and include the efficiency of each.* |
|  |  |  |  |
|  |  |  |
|  |  |  |
|  | E. | Closest City: |
|  |  | [ ]  | Jackson, MS | [ ]  | Meridian, MS | [ ]  | Tupelo, MS | [ ]  | Mobile, AL |
|  |  |  |
|  |  | [ ]  | New Orleans, LA | [ ]  | Memphis, TN | [ ]  | Baton Rouge, LA |
|  |  |  |
|  | F. | Is an E&P or similar report described in Condition 5.4(5) of the General Permit included for this tank in the Notice of Intent? | [ ]  | Yes | [ ]  | No |
|  |  |  |  |  |  |  |
| **3.** | **Horizontal Fixed Roof Tank** |
|  |  |  |
|  | A. | Shell Length: |  | feet |
|  | B. | Shell Diameter: |  | feet |
|  | C. | Working Volume: |  | gal |
|  | D. | Maximum Throughput: |  | gal/yr |
|  | E. | Is the tank heated? | [ ]  | Yes | [ ]  | No |
|  | F. | Is the tank underground? | [ ]  | Yes | [ ]  | No |
|  | G. | Shell Color/Shade: |
|  |  | [ ]  |  | [ ]  | Aluminum/Specular | [ ]  | Aluminum/Diffuse |
|  |  |  |
|  |  | [ ]  | Gray/Light | [ ]  | Gray/Medium | [ ]  | Red/Primer |
|  |  |  |
|  | H. | Shell Condition: | [ ]  | Good | [ ]  | Poor |
|  |  |
| **4.** | **Vertical Fixed Roof Tank** |
|  |  |
|  | A. | Dimensions: |
|  |  | 1. | Shell Height: |  | feet |
|  |  | 2. | Shell Diameter: |  | feet |
|  |  | 3. | Maximum Liquid Height: |  | feet |
|  |  | 4. | Average Liquid Height: |  | feet |
|  |  | 5. | Working Volume: |  | gal |
|  |  | 6. | Turnovers per year: |  |  |
|  |  | 7.  | Maximum throughput: |  |  |
|  |  | 8. | Is the tank heated? | [ ]  | Yes | [ ]  | No |
|  |  |  |
|  | B. | Shell Characteristics: |
|  |  | 1. | Shell Color/Shade: |
|  |  |  | [ ]  | White/White | [ ]  | Aluminum/Specular | [ ]  | Aluminum/Diffuse |
|  |  |  |  |
|  |  |  | [ ]  | Gray/Light | [ ]  | Gray/Medium | [ ]  | Red/Primer |
|  |  |  |  |
|  |  | 2. | Shell Condition: | [ ]  | Good | [ ]  | Poor |
|  |  |  |
|  | C. | Roof Characteristics: |
|  |  | 1. | Roof Color/Shade: |
|  |  |  | [ ]  | White/White | [ ]  | Aluminum/Specular | [ ]  | Aluminum/Diffuse |
|  |  |  |  |
|  |  |  | [ ]  | Gray/Light | [ ]  | Gray/Medium | [ ]  | Red/Primer |
|  |  |  |  |
|  |  | 2. | Roof Condition: | [ ]  | Good | [ ]  | Poor |
|  |  |  |  |
|  |  | 3. | Type: | [ ]  | Cone | [x]  | Dome |
|  |  |  |  |
|  |  | 4. | Height: |  | feet |
|  |  |  |
|  |  |  |
| **5.** | **Internal Floating Roof Tank** |
|  |  |  |
|  | A. | Tank Characteristics: |
|  |  | 1. | Diameter: |       | feet |
|  |  | 2. | Tank Volume: |       | gal |
|  |  | 3. | Turnovers per year: |       |  |
|  |  | 4. | Maximum Throughput: |       | gal/yr |
|  |  | 5. | Number of Columns: |       |  |
|  |  | 6. | Self-Supporting Roof? | [ ]  | Yes | [ ]  | No |
|  |  | 7. | Effective Column Diameter: |
|  |  |  | [ ]  | 9”x7” Built-up Column | [ ]  | 8” Diameter Pipe | [ ]  | Unknown |
|  |  | 8. | Internal Shell Condition: |
|  |  |  | [ ]  | Light Rust | [ ]  | Dense Rust | [ ]  | Gunite Lining |
|  |  | 9. | External Shell Color/Shade: |
|  |  |  | [ ]  | White/White | [ ]  | Aluminum/Specular | [ ]  | Aluminum/Diffuse |
|  |  |  |  |
|  |  |  | [ ]  | Gray/Light | [ ]  | Gray/Medium | [ ]  | Red/Primer |
|  |  |  |  |
|  |  | 10. | External Shell Condition: | [ ]  | Good | [ ]  | Poor |
|  |  | 11. | Roof Color/Shade: |
|  |  |  | [ ]  | White/White | [ ]  | Aluminum/Specular | [ ]  | Aluminum/Diffuse |
|  |  |  |  |
|  |  |  | [ ]  | Gray/Light | [ ]  | Gray/Medium | [ ]  | Red/Primer |
|  |  |  |  |
|  |  | 12. | Roof Condition: | [ ]  | Good  | [ ]  | Poor |
|  |  |  |
|  | B. | Rim Seal System: |
|  |  | 1. | Primary Seal: | [ ]  | Mechanical Shoe | [ ]  | Liquid-mounted | [ ]  | Vapor-mounted |
|  |  |  |  |
|  |  | 2. | Secondary Seal: | [ ]  | Shoe-mounted | [ ]  | Rim-mounted | [ ]  | None |
|  |  |  |
|  | C. | Deck Characteristics: |
|  |  | 1. | Deck Type: | [ ]  | Bolted | [ ]  | Welded |
|  |  |  |  |
|  |  | 2. | Deck Fitting Category: | [ ]  | Typical | [ ]  | Detail |
|  |  |  |
| **6.** | **External Floating Roof Tank** |
|  |  |  |
|  | A. | Tank Characteristics |
|  |  | 1. | Diameter: |       | feet |
|  |  | 2. | Tank Volume: |       | gal |
|  |  | 3. | Turnovers per year: |       |  |
|  |  | 4. | Maximum Throughput: |       | gal/yr |
|  |  | 5. | Internal Shell Condition: |
|  |  |  | [ ]  | Light Rust | [ ]  | Dense Rust | [ ]  | Gunite Lining |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| **6.** | **External Floating Roof Tank (continued)** |
|  |  |  |
|  | A. | Tank Characteristics (continued): |
|  |  | 6. | Paint Color/Shade: |
|  |  |  | [ ]  | White/White | [ ]  | Aluminum/Specular | [ ]  | Aluminum/Diffuse |
|  |  |  |  |
|  |  |  | [ ]  | Gray/Light | [ ]  | Gray/Medium | [ ]  | Red/Primer |
|  |  |  |  |
|  |  | 7. | Paint Condition: | [ ]  | Good | [ ]  | Poor |
|  |  |  |
|  | B. | Roof Characteristics |
|  |  | 1. | Roof Type:  | [ ]  | Pontoon | [ ]  | Double Deck |
|  |  |  |  |
|  |  | 2. | Roof Fitting Category: | [ ]  | Typical | [ ]  | Detail |
|  |  |  |
|  | C. | Tank Construction and Rim-Seal System: |
|  |  | 1. | Tank Construction: | [ ]  | Welded | [ ]  | Riveted |
|  |  |  |  |
|  |  | 2. | Primary Seal: |
|  |  |  | [ ]  | Mechanical Shoe | [ ]  | Liquid-mounted | [ ]  | Vapor-mounted |
|  |  |  |  |
|  |  | 3. | Secondary Seal |
|  |  |  | [ ]  | None | [ ]  | Shoe-mounted | [ ]  | Rim-mounted | [ ]  | Weather shield |
|  |  |  |
| **7.** | **Pollutant Emissions** |
|  |  |
|  | A. | Fixed Roof Emissions: |
|  |  | Pollutant1 | Working Loss (tons/yr) | Breathing Loss (tons/yr) | Total Emissions (tons/yr) |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |
|  | B. | Floating Roof Emissions: |
|  | Pollutant1 | Rim Seal Loss(tons/yr) | Withdrawal Loss(tons/yr) | Deck Fitting Loss(tons/yr) | Deck Seam Loss(tons/yr) | Landing Loss2 (tons/yr) | Total Emissions (tons/yr) |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  | 1. All regulated air pollutants including hazardous air pollutants emitted from this source should be listed in accordance with the OGP Application Instructions. A list of regulated air pollutants and a link to EPA’s list of hazardous air pollutants is provided in the OGP Application Instructions. |  |
|  | 2. Landing losses should be determined according to the procedures in *Organic Liquid Storage Tanks* chapter of EPA’s AP-42 emission factors. If the roof is not landed at least once/yr, enter “NA”. |  |