MAJOR SOURCE OPERATING PERMIT APPLICATION

STORAGE TANKS

1. **FACILITY NAME:**
2. **STORAGE TANK IDENTIFICATION:**
3. **PROCESS EMISSION SOURCE (IDENTIFY):**

4. **LOCATION OF THE STORAGE TANK OR TANK FARM (UTM VERTICAL AND HORIZONTAL COORDINATES):**
   - UTM VERTICAL:
   - UTM HORIZONTAL:

5. **STORAGE TANK CAPACITY:**
   - (GALLONS)
6. **YEAR OF INSTALLATION:**
7. **TANK HEIGHT**
   - (FEET)
8. **TANK DIAMETER:**
   - (FEET)

9. **COLOR OF TANK:**
   - ______ WHITE ______ OTHER SPECIFY

10. **IS THIS TANK EQUIPPED WITH SUBMERGED FILL PIPE?**
    - YES  
    - NO

11. **TYPE OF STORAGE TANK:**
    - _____ OPEN TOP TANK _____ FIXED ROOF _____ FIXED ROOF W/ INTERNAL FLOATING ROOF _____ OTHER (SPECIFY)
    - _____ PRESSURIZED TANK _____ EXTERNAL FLOATING ROOF _____ VARIABLE VAPOR SPACE

12. **FOR FIXED ROOF TANKS:**
    A. **TANK CONFIGURATION (CHECK ONE):**
        - _____ VERTICAL (UPRIGHT CYLINDER) _____ HORIZONTAL
    B. **TANK ROOF TYPE:**
        - _____ CONE ROOF-INDICATE TANK ROOF HEIGHT (FT)
        - _____ DOME ROOF-INDICATE TANK ROOF HEIGHT (FT)
        - _____ INDICATE SHELL RADIUS (FT)

13. **FOR FLOATING ROOF TANKS (BOTH INTERNAL AND EXTERNAL) - SHELL CONDITION (CHECK ONE):**
    - _____ LIGHT RUST _____ DENSE RUST _____ GUNITE LINED

14. **FOR EXTERNAL FLOATING ROOF TANKS:**
    A. **TANK CONSTRUCTION (CHECK ONE):**
        - _____ WELDED TANK _____ RIVETED TANK
    B. **RIM SEAL SYSTEM DESCRIPTION (CHECK ONE):**
        - _____ SHOE MOUNTED PRIMARY _____ VAPOR MOUNTED PRIMARY _____ LIQUID MOUNTED PRIMARY
        - _____ SHOE PRIMARY, RIM SECONDARY _____ VAPOR MOUNTED PRIMARY, RIM SECONDARY _____ LIQUID MOUNTED PRIMARY, RIM SECONDARY
        - _____ LIQUID PRIMARY W/WEATHER SHIELD _____ SHOE PRIMARY AND SECONDARY _____ VAPOR PRIMARY W/WEATHER SHIELD
    C. **ROOF TYPE (CHECK ONE):**
        - _____ PONTOON ROOF _____ DOUBLE DECK ROOF
    D. **ROOF FITTING TYPES (INDICATE THE NUMBER OF EACH TYPE):**
        - ACCESS HATCH (24” DIAMETER WELL)
        - BOLTED COVER, GASKETED
        - UNBOLTED COVER, GASKETED
        - UNBOLTED COVER, UNGASKETED
        - GAUGE-FLOAT WELL (20” DIAMETER)
        - BOLTED COVER, GASKETED
        - UNBOLTED COVER, GASKETED
        - UNBOLTED COVER, UNGASKETED
        - VACUUM BREAKER (10” DIAMETER)
        - ROOF DRAIN
        - WEIGHTED MECHANICAL
        - ACTUATION GASKETED
        - ACTUATION UNGASKETED
        - 90% CLOSED
        - ACTUATION UNGASKETED
        - GASKETED SLIDING COVER, WITHOUT FLOAT
        - ADJUSTABLE, PONTOON AREA
        - ADJUSTABLE, CENTER AREA
        - ADJUSTABLE, DOUBLE-DECK
MAJOR SOURCE OPERATING PERMIT APPLICATION - STORAGE TANKS

15. FOR INTERNAL FLOATING ROOF TANKS:

A. RIM SEAL SYSTEM DESCRIPTION:

- LIQUID MOUNTED PRIMARY
- LIQUID MOUNTED PRIMARY PLUS SECONDARY SEAL
- VAPOR MOUNTED PRIMARY
- VAPOR MOUNTED PRIMARY PLUS SECONDARY SEAL

B. NUMBER OF COLUMNS: _______ D. DECK TYPE (CHECK ONE): _______ WELDED _______ BOLTED

C. EFFECTIVE COLUMN DIAMETER _______ (FEET) E. TOTAL DECK SEAM LENGTH: _______ (FEET)

F. DECK AREA: ________________ (SQUARE FEET)

G. DECK FITTING TYPES (INDICATE THE NUMBER OF EACH TYPE):

- ACCESS HATCH (24" DIA)
- AUTOMATIC GAUGE FLOAT WELL
- COLUMN WELL
- BOLTED COVER, GASKETED
- BOLTED COVER, UNGASKETED
- UNBOLTED COVER, GASKETED
- UNBOLTED COVER, UNGASKETED
- BUILT-UP COLUMN-SLIDING COVER, GASKETED
- BUILT-UP COLUMN-SLIDING COVER, UNGASKETED
- PIPE COLUMN-FLEXIBLE FABRIC SLEEVE SEAL
- PIPE COLUMN-SLIDING COVER, GASKETED
- PIPE COLUMN-SLIDING COVER, UNGASKETED

LADDER WELL
- SLIDING COVER, GASKETED
- SLIDING COVER, UNGASKETED
- SLIDING COVER, GASKETED
- SLIDING COVER, UNGASKETED
- SAMPLE WELL-SLIT FABRIC SEAL, 10% OPEN AREA
- STUB DRAIN, 1 INCH DIAMETER

VACUUM BREAKER
- WEIGHTED
- MECHANICAL ACTUATION, GASKETED

16. FOR VARIABLE VAPOR SPACE TANKS:

VOLUME EXPANSION CAPACITY ________________________ (GALLONS)

17. COMPLETE THE FOLLOWING TABLE FOR MATERIALS TO BE STORED IN THIS TANK:

<table>
<thead>
<tr>
<th>MATERIAL OR COMPONENT STORED</th>
<th>WT %</th>
<th>MATERIAL ANNUAL THROUGHPUT (GAL/YR)</th>
<th>MATERIAL STORED-DAILY AVERAGE (GALLONS)</th>
<th>COMPONENT MOLECULAR WEIGHTS (LB/LB.MOLE)</th>
<th>COMPONENT VAPOR PRESSURES (PSIA)</th>
<th>MATERIAL STORAGE PRESSURE (PSIA)</th>
<th>MATERIAL AVERAGE STORAGE TEMP. (DEG. F)</th>
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MULTIPURPOSE TANK WITH VARIABLE COMPOSITION:

- YES _______ NO _______

18. DESCRIBE THE OPERATION THIS TANK WILL SERVE:


19. PAGE NUMBER: _______ REVISION NUMBER: _______ DATE OF REVISION: _______