



## **FLAMMABLE AND COMBUSTIBLE TANKS** (2020 MSFC)

### **Code Reference – MSFC 105.7 – Required Construction Permits**

**105.7.9 Flammable and combustible liquids.** A construction permit is required:

1. To install, repair or modify a pipeline for the transportation of flammable or *combustible liquids*.
2. To install, construct or alter tank vehicles, equipment, tanks, plants, terminals, wells, fuel-dispensing stations, refineries, distilleries and similar facilities where flammable and *combustible liquids* are produced, processed, transported, stored, dispensed or used.
3. To install, alter, remove, abandon or otherwise dispose of a flammable or *combustible liquid* tank.

### **General Requirements**

1. Permits are required for all flammable and combustible liquid storage tanks. For temporary LP containers at construction sites refer to the handout for Temporary Heat and LP Tanks.doc.
2. Permit applications and plan review submittals are made through our online process at <https://www.shakopeemn.gov/ePortal>. No paper plans are accepted.
3. All systems shall be designed and installed in accordance with current code requirements and Minnesota State Fire Code Chapter 23, Chapter 50, Chapter 57, Chapter 58 and Chapter 61 (NFPA 58).
4. All plans shall include specification sheets for tanks, piping, containment, overfill, leak detection and dispensers.
5. Tank plans which must be resubmitted for a second time, and each time thereafter, because of failure to meet the minimum requirements of the Minnesota State Fire Code shall be resubmitted with a resubmission fee as set forth in the City of Shakopee Fee Schedule.
6. All plans submitted must show the following information when applicable.
  - a. Plan scale.
  - b. Real property lines.
  - c. Structures within property lines.
  - d. Tank construction (provide specification sheets)
  - e. Tank location and clearance.
  - f. Tank size in gallons.
  - g. Tank size in dimensions.
  - h. Tank testing requirements (provide specification sheets).
  - i. Type of product in tank (provide MSDS sheets).
  - j. Buried depth of tank.
  - k. Tank anchors, if required.
  - l. Tank fill openings
  - m. Corrosion protection (indicate type).
  - n. Secondary containment for tank and piping (provide specification sheets).
  - o. Driveways and roadways.
  - p. Vent pipe termination height.
  - q. Vent pipe size.
  - r. Piping layout.

- s. Type of dispensing (full service or self-service)

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**COMMUNITY PRIDE SINCE 1857**

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- t. Type of dispenser (provide specification sheets)
- u. Location of dispensers.
- v. Dispenser protection.
- w. Type of overfill protection (provide specification sheets).
- x. Type of leak detection (provide specification sheets).
- y. Required signage (No Smoking, Shut-off Engine, Minimum 16 Years Old, etc.)
- z. Emergency communication system.
- aa. Fire extinguisher locations and types (ie: two - 2A20BC)
- bb. Self-service attendant location.
- cc. Sources to waterway (storm/sanitary sewer intakes).
- dd. Type of back-fill.

8. NOTE: The City of Shakopee does not to allow the use of an adjoining property's setback to determine tank placement.

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