



Underground Storage Tank Checklist

A fire department permit is required to install a flammable or combustible liquid storage tank (Fire Prevention Code 11-7). Plans shall be reviewed and approved before the permit is issued. Subsequent to plan approval the permit can be obtained from the Office of Fire Prevention Bureau @ (515) 283-4240. Fees for the permit are based on the following tank capacity criteria:

- *For each tank installation up to and including 200,000 gallons = \$115.00*
- *For each tank installation 200,001 to and including 1,000,000 gallons = \$150.00*
- *For each tank installation exceeding 1,000,000 gallons = \$225.00*

UNDERGROUND STORAGE TANKS

The design, fabrication and construction of tanks shall be in accordance with recognized good engineering practice and nationally recognized standards. Each tank shall bear a permanent nameplate or marking indicating the standard used as the basis for design.

- Provide manufacturer's specifications, listing information and cut sheets for the tank(s). IFC 3404.2.7.
- Specify quantities and types of liquids to be stored.
- Verify tank(s) will be located in an approved location in accordance with IFC 3404.2.11.2.
- Verify depth and cover for tanks will be in accordance with IFC 3404.2.11.3.
- Verify overfill protection will be provided in accordance with IFC 3404.2.11.4.
- Verify leak detection will be provided in accordance with IFC 3404.2.11.5.2.
- Verify tank(s) will be vented in accordance with IFC 3404.2.7.4.
- Verify Class I electrical equipment locations for underground tanks and dispensing devices are identified and protected in accordance with IFC Table 3403.1.1.

Submit plans to: Jonathan Lund, Fire Protection Engineer
Des Moines Fire Department
900 Mulberry St.
Des Moines, IA 50309