

SECTION 23 13 23 - FUEL STORAGE TANKS

PART I - GENERAL

1.1 SUMMARY

- A. Above Ground Tanks: Tanks may be installed aboveground, or under certain conditions, inside buildings.
- B. Flammable and Combustible Liquids: Storage of flammable and combustible liquids requires properly designed containers that are liquid tight and from which release of vapors, if required, is carefully controlled.
- C. Requirements: AST requirements include, but are not limited to, minimum separation distances from property lines and buildings; construction specifications for tanks, piping, venting and secondary containment; and application procedures.
- D. Emergency Generator Tanks: Emergency Generator Tanks are considered storage tanks, and must comply with these requirements.

1.2 LAWS, REGULATIONS, AND GUIDELINES

- A. All aboveground storage tank (AST) installations containing gasoline or volatile oils, including emergency generator tanks, must comply with the following regulations:
- B. *Illinois Office of the State Fire Marshall (OSFM) Title 41 Illinois Administrative Code Part 160 (bulk tanks, emergency generator tanks).*
- C. *Illinois Office of the State Fire Marshall (OSFM) Title 41 Illinois Administrative Code Part 180 (dispensing tanks).*
- D. *International Fire Code, (applicable edition)*

PART 2 - PRODUCTS

2.1 EXCEPTION

- A. Fire Insulated or Fire Resistant: If the above ground tank is fire insulated (listed in accordance with UL Standard #2085), or fire-resistant (listed in accordance with UL Standard #2080) the minimum separation distances denoted in Part 160.30-a shall not apply.

PART 3 - EXECUTION

3.1 APPLICATION PROCEDURE

- A. Application Prior to Installation: Prior to installation of above ground storage tanks, application must be made to the OSFM.
- B. Forms: Complete the state application forms.
- C. Plot Map: Attach a plot map (legal description of the property) showing:
 - 1. The complete tank layout or include the manufacturer's literature.
 - 2. The distance to the nearest building.
 - 3. The distance to the property lines, public way, and sewers.
 - 4. The name of the firm/person proposing the installation.
- D. Submit Application to F&S: The application form, a site drawing, and any other information that is pertinent to the installation of the tank must be submitted to:

Facilities and Services
Environmental Compliance Section
University of Illinois
1501 S. Oak Street
Champaign, IL 61820

- E. Review and Approval by OSFM: Upon review of the application, the OSFM will issue a letter of approval to the applicant and assign an OSFM inspector to the Project.
- F. OSFM Inspection: When installation Work is complete, and before the proposed tanks are filled, the University (or responsible party) must contact the OSFM to conduct an inspection.
- G. Unsatisfactory Inspection: If installation is found to be incomplete or in violation of applicable regulations, follow-up inspections will be conducted, and the use of the tanks will be prohibited until such final inspection and approval occurs.

END OF SECTION **23** 13 23

This section of the *U of I Facilities Standards* establishes minimum requirements only.
It should not be used as a complete specification.