



Sioux Falls Fire Rescue



Fire Prevention Division
224 W. 9th Street
Sioux Falls, SD 57104

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Fire & Life-Safety Checklist: Bulk Plants and Terminals

The following Fire Code requirements are specific for **Bulk Plant and Terminal** occupancies and should be used as a *supplement* to the "**Commercial Business Fire and Life-Safety Checklist**".

LABELING AND SIGNS

- Permanent above ground storage tanks (AST) storing more than 100 gal. of Class I, II or III liquids shall bear a label and NFPA 704 placard identifying the material therein.
- Signs shall be posted in storage areas prohibiting open flames and smoking

PORTABLE FIRE EXTINGUISHERS

- Portable fire extinguishers with a rating of not less than 20-B shall be located within 75 ft. of hose connections, pumps and separator tanks.
- Extinguishers are serviced and tagged ***annually*** by a fire extinguisher service contractor.

OVERFILL AND LEAK DETECTION SYSTEMS

- An approved alarm shall notify the person filling the tank when the fluid level of that tank has reached 90 percent of that tank's capacity.
- The system shall automatically shut off the flow of fuel to the tank when the quantity of liquid in the tank reaches 95 percent of tank capacity.

PROTECTION OF OPERATIONS

- Smoking and open flames are prohibited in storage areas.
- Grass, weeds, combustible materials and waste Class I, II or III liquids shall not be accumulated in an unsafe manner at a storage site.
- A spill container of not less than 5 gal. shall be provided for each fill connection.
- Where subject to external corrosion, tanks shall be fabricated from corrosion-resistant materials, coated or provided with corrosion protection in accordance with Sections 22.14 and 23.14 of NFPA 30.
- A consistent or accidental loss of liquid, or other indication of a leak from a tank system, shall be reported immediately to the fire department.
- Static protection shall be appropriately provided during transfer operations.
- Transfer operations shall be monitored by an approved monitoring system or by an attendant.

If you have additional questions concerning fire inspections, please contact us at 367-8093.