



ELEVATOR CODE REFERENCES

Hydraulic Elevators

Used extensively in buildings up to five or six stories. There are oil reservoirs associated with hydraulic cylinders; these components have the potential to leak or spill into floor drains and the sump areas.

NFPA

In buildings required to be fully sprinklered, automatic sprinklers shall be provided in elevator hoist ways and machine rooms as required by NFPA 13. In accordance with NFPA 13, sprinklers are required in the hydraulic elevator hoist way and the hydraulic elevator pit.

ASME A17.1

2007 ASME A17.1 2.2.2.5 states "In elevators provided with Firefighters' Emergency Operation, a drain or sump pump shall be provided. The sump pump/drain shall have the capacity to remove a minimum of 11.4 m³/h (3,000 gal/h) per elevator (The American Society of Mechanical Engineers, p.19)." - be able to pump 50 gpm.

EPA

The Spill Prevention, Control and Countermeasure (SPCC) Plan regulations were implemented by the United States Environmental Protection Agency (US EPA) to prevent any discharge of oil into or upon navigable water of the United States or adjoining shorelines. There must be an aggregate aboveground storage capacity greater than 1,320 gallons. If so, an elevator hydraulic reservoir that can hold more than 55 gallons is subject to the SPCC rule.