Table 13.9.: Requirements for Fuel Dispensing Facilities

ITEM	REQUIREMENTS
6. ABOVE-GROUND STORAGE TANKS IN VAULTS	i. Vault design and construction shall comply with **Section 2.8.** ii. Where tanks in Storage Vaults are in use, the individual tank sizes shall be limited to 15,000 Gal. and maximum aggregate capacity shall be 48,000 Gal. Each tank shall be in separate compartment. iii. Each vault and its tank shall be anchored to withstand uplifting by groundwater or flooding, including when the tank is empty. iv. Vaults that are not resistant to damage from the impact of a motor vehicle shall be protected by collision barriers. v. Dispensing devices shall be allowed to be installed on tops of vaults. vi. Means shall be provided to recover liquid from the vault. If a pump is used to meet this requirement, the pump shall not be permanently installed in the vault. vii. Electric-powered portable pumps shall be approved for use in Class I, Division 1 Locations. viii. At each entry point, a warning sign indicating the need for procedures for safe entry into confined spaces shall be posted. Each entry point shall be secured against unauthorized entry and vandalism.
7. FUEL DISPENSING SYSTEMS	**1. GENERAL REQUIREMENTS** i. Dispensing devices installed outside at motor fuel dispensing stations shall be located as follows: a. 3 m or more from property lines b. 3 m or more from buildings, other than canopies, having combustible exterior wall surfaces or buildings having noncombustible exterior wall surfaces that are not a part of a one-hour fire-resistive assembly. c. Such that all parts of the vehicle being served will be on the premises of the service station d. Such that the nozzle, when the hose is fully extended, will not reach within 1.5 m of building openings ii. Liquids shall not be dispensed by applying pressure to drums, barrels, and similar containers. Listed pumps taking suction through the top of the container or listed self-closing faucets shall be used. **2. DISPENSING DEVICES** i. Class I and Class II liquids shall be transferred from tanks by means of fixed pumps designed and equipped to allow control of the flow and prevent leakage or accidental discharge. ii. Dispensing devices for Class I and II liquids shall be listed. iii. A control shall be provided that will permit the pump to operate only when a dispensing nozzle is removed from its bracket or normal position with respect to the dispensing device and the switch on this dispensing device is manually actuated. This control shall also stop the pump when all nozzles have been returned to their brackets or to their normal non-dispensing position. iv. Where liquid is supplied to the dispensing device under pressure, a listed, rigidly anchored emergency shutoff valve, incorporating a fusible link or other thermally actuated device, designed to close automatically in event of severe impact or fire exposure shall be installed in the supply line at the base of each individual island-type dispenser or at the inlet of each overhead dispensing device. v. Remote and submersible pumps shall be tested, approved and listed for the purpose.