

567—69.2(455B) General design standards.

69.2(1) Building sewers.

a. *Location and construction.* Building sewers shall be constructed in accordance with the SDs in Table I in 567—paragraph 60.2(2)“c.” The distances shall be considered minimum distances and shall be increased where possible to provide better protection.

b. *Type.* Building sewers used to conduct wastewater from a building to the primary treatment unit of a PSDS shall be constructed of:

(1) SCH 40 PVC pipe (SDR 26 or stronger) with solvent-weld or bell-and-gasket-type joints approved for use for below grade applications or for the wastewater industry; or

(2) Cast iron with integral bell-and-gasket-type joints.

c. *Size.* Building sewers shall not be less than four inches in diameter.

d. *Grade.* Building sewers shall be laid to the following minimum grades:

4-inch sewer 12 inches per 100 feet

6-inch sewer 8 inches per 100 feet

69.2(2) Cleanouts.

a. *Spacing.* A cleanout shall be provided where the building sewer leaves the structure and at least every 100 feet.

b. *Change of direction or grade.* An accessible cleanout shall be provided at each change of direction or grade if the change exceeds 45 degrees prior to primary treatment.

69.2(3) Grease interceptors.

a. *Applicability.* Grease interceptors shall be provided for kitchen flows at restaurants, nursing homes, schools, hospitals, and any other facilities from which grease can be expected to be discharged.

b. *Installation.* Grease interceptors shall be installed on separate building sewers serving kitchen flows into which the grease will be discharged. A discharge from a grease interceptor must flow to either a properly designed septic tank or to a building sewer and then to the primary treatment unit.

69.2(4) Impervious vault toilets.

a. *Location.* Impervious vault toilets shall be located in accordance with the SDs in Table I in 567—paragraph 60.2(2)“c” for the closed portion of a treatment system.

b. *Construction.* The vault shall be constructed of reinforced, impervious concrete at least four inches thick. The superstructure, including floor slab, seat, seat cover, riser, and building, shall comply with good design and construction practices to provide permanent, safe, and sanitary facilities. The vault shall be provided with a cleanout opening fitted with a fly-tight cover.

c. *Wastewater disposal.* Wastewater from impervious vault toilets shall be disposed of at a POTW or other department-permitted wastewater disposal system.

69.2(5) Portable toilets.

a. *Design.* All portable toilets shall be designed to receive and retain the wastes deposited in them and shall be located and maintained in a manner that will prevent the creation of any nuisance condition.

b. *Wastewater disposal system.* Wastewater from portable toilets shall be disposed of at a POTW or other department-permitted wastewater disposal system.

69.2(6) Holding tanks for waste.

a. *General.* Holding tanks may only be used when site characteristics or restrictions do not allow for the installation of a system that consists of both primary and secondary treatment or when the use will be seasonal or sporadic.

b. *Capacity.* The minimum liquid-holding capacity shall be 1,250 gallons.

c. *Pumping frequency.* Holding tanks shall be pumped as necessary to prevent overflows, leaks, or releases of waste.

d. *Recordkeeping.* Holding tank owners shall keep all pumping records for three years. Records shall be made available to the administrative authority upon request.

e. *Construction.* Holding tanks shall be constructed and installed using the materials and processes allowed for septic tanks in 69.3(6) and 69.3(8). All holding tanks shall be equipped with a high-water alarm.

f. Wastewater disposal. Wastewater from holding tanks shall be disposed of at a POTW or other department-permitted wastewater disposal system.

69.2(7) Location. No PSDS shall be located upon property under ownership different from the ownership of that property or lot upon which the wastewater originates unless easements to that effect are legally recorded and approved by the proper administrative authority.

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