

- 10 Gray water may not be used to irrigate vegetable gardens.
11. Gray water shall not be applied on the land surface or be allowed to reach the land surface.
12. All wastewater generated that is not approved to be discharged to the gray water system shall either discharge to a full-sized subsurface sewage disposal system or collection system for a private or public municipal wastewater treatment plant.

**Table 4-10. Gray water gravity flow mini-leachfield design criteria.**

Mini-leachfield Design Criteria	Minimum	Maximum
Number of drain lines per irrigation zone	1	—
Length of each perforated line	—	100 feet
Distribution area square footage	—	1,500
Bottom width of trench	6 inches	18 inches
Total depth of trench	12 inches	18 inches
Spacing of line, center-to-center	3 feet	4 feet
Depth of earth cover over lines	6 inches	12 inches
Depth of aggregate over pipe	2 inches	—
Depth of aggregate beneath pipe	2 inches	—
Grade on perforated pipe	Level	1 inch/100 feet

**4.13.3 Design Requirements**

1. Gray water flows are determined by calculating the maximum number of occupants or visitors in the wastewater-generating structure. Residences shall be based on the first bedroom with two occupants and each bedroom thereafter with one occupant unless higher usage is proposed by the applicant.
2. Estimated daily gray water flows for each occupant are shown in Table 4-11:

**Table 4-11. Gray water flow by fixture type connected to system in gallons per person per day.**

Fixture	Gallons/Person/Day
Shower/bath	18
Hand sinks (faucets)	12
Other	Case-by-case determination

Multiply the number of occupants and visitors by the estimated gray water flow for the fixtures proposed to be connected to the gray water system.

For example: A three-bedroom house is designed for four people. The house has showers and hand sinks, thus each occupant is assumed to produce 30 GPD of gray water, resulting in a total of 120 GPD.

3. The formula shown in Equation 4-11 is used to estimate the square footage of landscape to be irrigated: