

**TABLE 501.1**  
**Design flows for single family dwellings**

Bedrooms	GPD per dwelling
2 or less	180
3	270
4	360
5	450
6	540
Each additional bedroom	90
Primitive disposal field (For each fixture, maximum of three)	25 (See Section 1000.2)

**TABLE 501.2**  
**Design flows for other facilities**

**NOTE:** The design flows calculated in this table represent the design flow for purposes of calculating the septic tank capacity (Section 906.0) and the size of the disposal field (Table 600.1), unless otherwise noted.

Important: See notes 1 and 2 at end of Tables - p. 5-3

Type of facility	Design flow per user or unit
Airports	5 gpd per passenger plus 15 gpd per employee [1]
Assembly areas	2 gpd per seat
Bakery	100 gpd per bakery plus 15 gpd per employee [1, 2]
Barber shop	100 gpd per chair
Beauty salon	100 gpd per chair
Bed and breakfast	225 gpd per establishment and 75 gpd per rental room
Boarding houses with meals	225 gpd per house plus 50 gpd per boarder
Bottle club	10 gpd per seat
Bunkhouses	20 gpd per bed
Bus service areas	5 gpd per passenger plus 15 gpd per employee [1]
Butcher shop or department	100 gpd per shop plus 15 gpd per employee [1,2]
Cafeteria, open general public	30 gpd per seat plus 15 gpd per employee [1,2]
Cafeteria, private	15 gpd per seat plus 15 gpd/employee [1,2]
Campground sites served by central toilets	60 gpd per site and includes dump station
Campground sites served by individual water and sewer hookups	75 gpd per site
Campground dump station	10 gpd per site for each trailer site not served by individual water and sewer hookups
Campground park model trailer sites	125 gpd per site
Children's camps, day use only	15 gpd per camper plus 15 gpd per staff person
Children's camps, day and night	20 gpd per camper plus 15 gpd per staff person
Churches	4 gpd per seat for general seating and 8 gpd per seat for seats in a dining area
Dance hall	5 gpd per attendee plus 15 gpd per employee [1]
Day care facilities serving meals	15 gpd per child plus 15 gpd per adult
Day care facilities not serving meals	10 gpd per child plus 15 gpd per adult
<b>Eating Places:</b>	
Delicatessen, food prepared and no seats	100 gpd per deli or 1 gpd per meal served plus 15 gpd per employee [1, 2] (whichever is larger)
Delicatessen, no food prepared and no seats	50 gpd per deli plus 15 gpd per employee [1]
Drive-in, no full meals and no china service	30 gpd per car space plus 15 gpd/ employee [1, 2]
Eating place, takeout	100 gpd or 1 gpd per meal served plus 15 gpd per employee [1, 2] (whichever is larger)
Eating place, paper service	7 gpd per seat plus 15 gpd/ employee [1, 2]
Ice Cream Stands, ice cream only with no seats	150 gpd per stand plus 15 gpd per employee. [1, 2]
<b>Type of facility</b>	<b>Design flow per user or unit</b>
Eating Place 1meal/day	10gpd per seat plus 15 gpd per employee [1, 2]
Eating Place, 2 meals/day	20 gpd per seat plus 15 gpd per employee (1,2)



## DESIGN FLOWS

Eating Place, 3 meals/day	30 gpd per seat plus 15 gpd/employee [1, 2]
Employees at place of employment with no showers	15 gpd per employee [1]
Employees at place of employment with showers	20 gpd per employee [1]
Fairgrounds	2 gpd per attendee based on average daily attendance
Gyms, not associated with schools	10 gpd per participant plus 3 gpd per spectator plus 15 gpd per employee [1]
Health clubs	10 gpd per participant plus 3 gpd per spectator plus 15 gpd per employee [1]
Hospitals	150 gpd per bed plus 15 gpd per employee [1]
Hotels and motels with shared baths	80 gpd per bedroom plus 15 gpd per employee [1]
Hotels and motels with private baths	100 gpd per bedroom plus 15 gpd per employee [1]
Laundry, self-service	600 gpd per machine plus 15 gpd per employee [1]
Limited operation hunting camp	45 gpd per owner/occupant plus 15 gpd per hunter/guest
Marina	100 gpd plus 10 gpd per slip or mooring (clothes washers are not included; design flow for clothes washers shall be calculated separately)
Medical offices, clinics, and dental offices	80 gpd per medical staff plus 5 gpd per patient plus 15 gpd/office employee [1]
Nursing Homes	150 gpd per bed plus 15 gpd per employee [1]
Parks and picnic areas, public rest rooms and no showers	5 gpd per attendee plus 15 gpd per employee [1]
Parks and picnic areas, public rest rooms and showers	10 gpd per attendee plus 15 gpd per employee [1]
Rooming houses, no meals	180 gpd per house plus 30 gpd per roomer
Recreation/sporting camps	45 gpd per owner/occupant plus 25 gpd per bed/sportsperson
Rental cabins and cottages	50 gpd per bed plus 15 gpd per employee [1]
Rental cabins, housekeeping	50 gpd per cabin, plus 50 gpd per bed
School, elementary	7 gpd per student plus 15 gpd per teacher and other employees [1]
School, junior high	9 gpd per student plus 15 gpd per teacher and other employees [1]
School, high	12 gpd per student plus 15 gpd per teacher and other employees [1]
School, boarding	75 gpd per student plus 15 gpd per teacher and other employees [1]
Service stations	100 gpd per fuel pump cabinet plus 15 gpd per employee [1]
Shopping centers or stores, public rest rooms and showers	400 gpd per water closet plus 20 gpd per shower plus 15 gpd per employee [1] Design flows for any eating places or butcher shops shall be determined and added to total design flow.
Shopping centers or stores, no public rest rooms	1 gpd per parking space plus 15 gpd per employee [1] Design flows for any eating places or butcher shops shall be determined and added to total design flow. NOTE: Title 22 M.R.S.A. §270 requires a public rest room for shopping centers containing 6 or more separate retail establishments
Sports Bars	20 gpd per seat plus 15 gpd per employee [1,2]
Taverns/Bars (including but not limited to, pubs, billiard halls, etc.)	10 gpd per seat plus 15 gpd per employee [1]
Tennis and racquetball courts	300 gpd per court plus 15 gpd per employee [1] Design flows for any eating places shall be determined and added to the total design flow
Visitors center	6 gpd per visitor plus 15 gpd/ employee (This includes libraries, museums, similar uses) [1]

### NOTES:

[1.] The design flow for employees is based on the total number of employees present in any 24-hour period.

[2.] Multiply the design flows by 1.8 for sizing the disposal field. The initial value taken from the table is used to size the septic tank and for minimum lot size determinations.

[3.] Adjustment for restaurant waste: Table 501.2, footnote 2 requires that disposal areas for restaurants be increased by 80% (multiplied by 1.8). This multiplying factor may be decreased by using the following criteria (Department review required):

- a. If the septic tank capacity is equal to or greater than 200% of the design flow - deduct 0.2.
- b. If multiple compartment tanks or tanks in series are used - deduct 0.1.
- c. If the facility uses an external grease interceptor meeting the requirements of Section 912.0 - deduct 0.1.
- d. If the treatment tank(s) use an approved effluent filter - deduct 0.1.
- e. The applicant may add the total deductions and subtract them from 1.8. The disposal area shall be increased by the resulting factor.