

**TITLE 18. ENVIRONMENTAL QUALITY
CHAPTER 9. DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER POLLUTION CONTROL**

ARTICLE 3. AQUIFER PROTECTION PERMITS – GENERAL PERMITS

Table 1. Unit Design Flows

| Wastewater Source | Applicable Unit | Sewage Design Flow per Applicable Unit, Gallons Per Day |
|--|--|--|
| Airport | Passenger (average daily number) Employee | 4 15 |
| Auto Wash | Facility | Per manufacturer, if consistent with this Chapter |
| Bar/Lounge | Seat | 30 |
| Barber Shop | Chair | 35 |
| Beauty Parlor | Chair | 100 |
| Bowling Alley (snack bar only) | Lane | 75 |
| Camp | | |
| Day camp, no cooking facilities | Camping unit | 30 |
| Campground, overnight, flush toilets | Camping unit | 75 |
| Campground, overnight, flush toilets and shower | Camping unit | 150 |
| Campground, luxury | Person | 100-150 |
| Camp, youth, summer, or seasonal | Person | 50 |
| Church | | |
| Without kitchen | Person (maximum attendance) | 5 |
| With kitchen | Person (maximum attendance) | 7 |
| Country Club | Resident Member Nonresident Member | 100 10 |
| Dance Hall | Patron | 5 |
| Dental Office | Chair | 500 |
| Dog Kennel | Animal, maximum occupancy | 15 |
| Dwelling | | |
| For determining design flow for sewage treatment facilities under R18-9-B202(A)(9)(a) and sewage collection systems under R18-9-E301(D) and R18-9-B301(K), excluding peaking factor. | Person | 80 |

| | | |
|--|---|---|
| Dwelling For on-site wastewater treatment facilities per R18-9-E302 through R18-9-E323: Apartment Building 1 bedroom 2 bedroom 3 bedroom 4 bedroom | Apartment Apartment Apartment Apartment | 200 300 400 500 |
| Seasonal or Summer Dwelling (with recorded seasonal occupancy restriction) | Resident | 100 |
| Single Family Dwellings | see R18-9-A314(D)(1) | see R18-9-A314(D)(1) |
| Other than Single Family Dwelling, the greater flow value based on: Bedroom count 1-2 bedrooms Each bedroom over 2 Fixture count | Bedroom Bedroom Fixture unit | 300 150 25 |
| Fire Station | Employee | 45 |
| Hospital All flows Kitchen waste only Laundry waste only | Bed Bed Bed | 250 25 40 |
| Hotel/motel Without kitchen With kitchen | Bed (2 person) Bed (2 person) | 50 60 |
| Industrial facility Without showers With showers Cafeteria, add | Employee Employee Employee | 25 35 5 |
| Institutions Resident Nursing home Rest home | Person Person Person | 75 125 125 |
| Laundry Self service Commercial | Wash cycle Washing machine | 50 Per manufacturer, if consistent with this Chapter |
| Office Building | Employee | 20 |
| Park (temporary use) Picnic, with showers, flush toilets Picnic, with flush toilets only Recreational vehicle, no water or sewer connections Recreational vehicle, with water and sewer connections Mobile home/Trailer | Parking space Parking space Vehicle space Vehicle space Space | 40 20 75 100 250 |
| Restaurant/Cafeteria With toilet, add Kitchen waste, add Garbage disposal, add Cocktail lounge, add Kitchen waste disposal service, add | Employee Customer Meal Meal Customer Meal | 20 7 6 1 2 2 |
| Restroom, public | Toilet | 200 |

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|-------------------------------------|-----------------------------|------|--|
| School | | | |
| Staff and office | Person | 20 | |
| Elementary, add | Student | 15 | |
| Middle and High, add | Student | 20 | |
| with gym & showers, add | Student | 5 | |
| with cafeteria, add | Student | 3 | |
| Boarding, total flow | Person | 100 | |
| Service Station with toilets | First bay | 1000 | |
| | Each additional bay | 500 | |
| Shopping Center, no food or laundry | Square foot of retail space | 0.1 | |
| Store | Employee | 20 | |
| Public restroom, add | Square foot of retail space | 0.1 | |
| Swimming Pool, Public | Person | 10 | |
| Theater | | | |
| Indoor | Seat | 5 | |
| Drive-in | Car space | 10 | |

Note: Unit flow rates published in standard texts, literature sources, or relevant area or regional studies are considered by the Department, if appropriate to the project.