Wastewater Generation Guidelines

The following guidelines shall be used in determining the wastewater generated by developments

Place		Estimated Sewage Flow in Gallons Per Day
Apartments		250 one bedroom 300 two bedroom 350 three bedroom
Assembly Halls	Note a	2 per seat
Beauty Shop, Styling Salon		200 per basin
Bowling Alleys (no food service)	Note a	75 per lane
Churches (small)	Note a	3-5 per sanctuary seat
Churches (large with kitchen)	Note b	5-7 per sanctuary seat
Country Clubs		50 per member
Dance Halls	Note a	2 per person
Doctors/Dentists		75 per doctor 20 per employee 10 per patient
Drive-In Theaters		5 per car space
Factories (no showers)		25 per employee
Factories (with showers)		35 per employee
Food Service Operations		
Ordinary Restaurant (not 24-hour)	Note c	35 per seat at 400 ppm BOD_5
24-Hour Restaurant	Note c	50 per seat at 400 ppm BOD_5
Banquet Rooms	Note c	5 per seat at 400 ppm BOD_5
Restaurant Along Freeway	Note c	100 per seat at 400 ppm BOD_5
Tavern (very little food service)	Note c	35 per seat at 400 ppm BOD_5
Curb Service (drive-in)	Note c	50 per car space at 400 ppm BOD_5
Vending Machine Restaurants		100 per seat at 200 ppm BOD_5
Homes in Subdivision		400 per dwelling
Hospitals (no resident personnel)	Note b	300 per bed
Institutions (residents)	Note b	100 per person
Laundries (coin-operated)	Note e	400 per standard size machine
Laundry wastes require special consideration		Consult OEPA district office
Marinas (restrooms and showers only)		15 per boat mooring/slip/dock
Migrant Labor Camps	Note g	50 per person
Mobile Home Parks		300 per mobile home space
Motels		100 per unit

Place		Estimated Sewage Flow in Gallons Per Day
Nursing and Rest Homes	Note b	200 per patient at 300 ppm BOD_5 100 per resident employee 50 per non-resident employee
Office Buildings		20 per employee
Recreational Vehicle Dumping Stations		Consult OEPA District Office
Recreational Vehicle Parks and Camps		Consult OEPA District Office
Retail Store		20 per employee
Schools Elementary High and Junior High	 Note b Note b	 15 per pupil 20 per pupil
Service Stations	Note d	1000 first bay or pump island 500 additional bay or pump island
Shopping Centers (no food service or laundries)	Note f	0.2 per sq. ft. of floor space
Swimming Pools (average) (with hot water showers)		3-5 per swimmer (design load) 5-7 per swimmer (design load)
Vacation Cottages		50 per person
Veterinarians and Animal Hospitals	Note h Note h	10 per run 10 per cage 20 per employee
Youth and Recreation Camps	Note b	50 per person

Note a: Food service waste not included.
Note b: Food service waste included, but without garbage grinders.
Note c: Aeration tanks for these require 48 hour detention period. Garbage grinders not permitted.
Note d: Truck parking areas will require consideration for treatment of runoff at large truck stops.
Note e: Laundry (coin operated); temperature may be critical if not diluted with other sewage. Laundry flow shall not be more than 20 percent of the flow of a treatment plant. Commercial laundries will not be permitted for treatment plants designed for less than 30,000 gpd.
Note f: Add laundries or other high flow or high strength uses.
Note g: 20 gpd if vault latrine is used for toilet wastes.
Note h: Assumes manual hosing and solids (food droppings, etc.) removal prior to hosing.