

**APPENDIX B**  
Sewage Loading Criteria  
{See Note (a) }

Note: Input data only in Column (A), "Number of Units"

Place	Loading Note	Design Basis	{A}	{B}	{C=AxB}	{D}	{E=AxD}	{F=AxDx598}
			Number of Units	Daily Avg. Flow in gpd	Hydraulic Requirements in gpd	Daily Average BOD in #/day	BOD Loading in #/day	Hydraulic Requirement based on {E} in gpd
Apartments		one bedroom		250	0	0.425	0	0
		two bedrooms		300	0	0.52	0	0
		three bedrooms		400	0	0.68	0	0
Assembly	(b)	per seat		2	0	0.0034	0	0
Bowling Alleys (no food)	(b)	per lane		75	0	0.13	0	0
Churches	(b)	per sanctuary seat		5	0	0.0088	0	0
Churches ( permitted kitchen)	(c)	per sanctuary seat		10	0	0.017	0	0
Country Clubs		per member		50	0	0.085	0	0
Dance Halls	(b)	per person		2	0	0.0034	0	0
Drive-In Theaters		per car space		5	0	0.0085	0	0
Factories (no showers)		per employee		20	0	0.051	0	0
Factories (with showers)		per employee		35	0	0.06	0	0
Food Service Operations					0		0	0
Ordinary Restaurant-not 24 hr		per seat		35	0	0.12	0	0
24 hour Restaurant		per seat		50	0	0.17	0	0
Banquet Rooms		per seat		5	0	0.017	0	0
Restaurant Along Freeway		per seat	60	100	6000	0.33	20	11840
Curb Service (drive-in)		per car space		50	0	0.17	0	0
Bar, Cocktail Lounges, Taverns (no/little food)		per seat		25	0	0.084	0	0
Bar with regular food service		per seat		35	0	0.12	0	0
Video Poker Machine		per machine		100	0	0.2	0	0
Fast Food Restaurants		per seat		40	0	0.13	0	0
Hotel/Motel Food Service		per room		45	0	0.17	0	0
Homes/Mobile Homes in Subdivisions		per dwelling		400	0	0.68	0	0
Individual Homes/Mobile Homes (where individual sewage technology is utilized.) (For each additional bedroom add 100 g.p.d.)		one bedroom		250	0	0.425	0	0
		two bedrooms		300	0	0.51	0	0
		three bedrooms		400	0	0.68	0	0
				100	0		0	0
Hospitals (no resident personnel)	(c)	per bed		200	0	0.51	0	0
Institutions (residents)	(c)	per person		100	0	0.25	0	0
Municipalities		per person		100	0	0.17	0	0
Mobile Home Parks up to 5 trailer spaces 6 trailer spaces or more		per mobile home space		400	0	0.68	0	0
		per mobile home space		300	0	0.51	0	0
Motels	(b)	per unit		100	0	0.12	0	0
Nursing and Rest Homes	(c)	per patient		100	0	0.25	0	0
		per resident employee		100	0	0.17	0	0
Office Buildings		per employee	110	20	2200	0.051	6	3355
Recreational Vehicle Dumping Stations		Consult OPH			0		0	0
Parks and Camps		per trailer or tent space		125	0	0.21	0	0
Retail Store		per employee	18	20	360	0.034	1	366
Schools - Elementary High and Junior High	(c)	per pupil		15	0	0.038	0	0
		per pupil		20	0	0.051	0	0
Retail Fuel Stations (Located on major highways, interstates, etc. primary function to provide fuel & service motor vehicles.)	(d)	per ind. vehicle fueling point (up to the first four)		250	0	0.43	0	0
		for each additional ind. Vehicle fueling point		125	0	0.21	0	0
Shopping Centers (no food service or laundries)		per sf. of floor space		0.2	0	0.00034	0	0
Swimming Pool (including employees)		per swimmer		10	0	0.017	0	0
Showers		per shower		20	0	0.04	0	0
Vacation Cottages		per person		50	0	0.12	0	0
Youth & Recreation Camps	(c)	per person		50	0	0.12	0	0
Washing Machines		per machine		400	0	1.34	0	0
<b>TOTALS</b>					<b>8,560</b>		<b>26</b>	<b>15,561</b>

Note (a) If loading criteria other than presented here are used, they should be justified.  
 Note (b) Food Service waste not included.  
 Note (c) Food Service waste included but without garbage grinders.  
 Note (d) Vehicle fueling points are an arrangement of gasoline or diesel fuel pumps to serve auto or other vehicles.  
 For the purposes of these guidelines, a vehicle fueling point is one that serves a vehicle at one time  
 Food service waste not included.

**NOTE:** Design calculations for sewage treatment facilities must be made based on both hydraulic loading(s) and organic loading(s). Final design of facility to be used upon the larger capacity (size) required by these calc.