

**Appendix D Estimated Sewage Flow from Other Establishments**

<b>Estimated Sewage Flow from Other Establishments -For Reference Only</b>		
<b>Dwelling Units</b>	<b>Unit</b>	<b>Design flow (gal/day/unit)</b>
Hotel or Luxury Hotel	Guest	55
	Square Foot	0.28
Motel	Guest	38
	Square Foot	0.33
Rooming House	Resident	45
	Add for Each Nonresident Meal	3.3
Daycare (no meals)	Child	19
Daycare (with meals)	Child	23
Dormitory	Person	43
Labor Camp	Person	18
Labor Camp (semi permanent)	Employee	50
<b>Commercial/Industrial</b>	<b>Unit</b>	<b>Design flow (gal/day/unit)</b>
Retail Store	Square Foot	0.13
	Customer	3.8
	Toilet	590
Shopping Center	Employee	11.5
	Square Foot	0.15
	Parking Space	2.5
Office	Employee 8-Hour Shift	18
	Square Foot	0.18
Medical Office*	Square Foot	1.1
	Practitioner	275
	Patient	8
Industrial Building*	Employee 8-Hour Shift	17.5
	Employee 8-Hour Shift with Showers	25
Laundromat	Machine	635
	Load	52.5
	Square Foot	2.6
Barber Shop*	Chair	68
Beauty Salon*	Station	285
Flea Market	Nonfood Vendor Space	15
	Limited Food Vendor Space	25
	With Food Vendor Space	50

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<b>Eating and Drinking Establishments</b>	<b>Unit</b>	<b>Design flow (gal/day/unit)</b>
Restaurant (does not include bar of lounge)	Meal Without Alcoholic Drinks	3.5
	Meal With Alcoholic Drinks	8
	Seat (open 16 hours or less)	30
	Seat (open more than 16 hours)	50
	Seat (open 16 hours or less, single service articles)	20
	Seat (open more than 16 hours, single service articles)	35
Restaurant (short order)	Customer	7
Restaurant (drive-in)	Car Space	30
Restaurant (carry out including caterers)	Square Foot	0.5
Institutional Meals	Meal	5
Food Outlet	Square Foot	0.2
Dining Hall	Meal	8.5
Coffee Shop	Customer	7
Cafeteria	Customer	2.5
Bar or Lounge (no meals)	Customer	4.5
	Seat	36
<b>Entertainment Establishments</b>	<b>Unit</b>	<b>Design flow (gal/day/unit)</b>
Drive-in Theater	Car Stall	5
Theater	Auditorium Seat	4.5
Bowling Alley	Alley	185
Country Club	Member (no meals)	22
	Member (with meals and showers)	118
	Member (resident)	86
Fairground and Other Similar Gatherings	Visitor	1.5
Stadium	Seat	5
Dance Hall	Person	6
Health Club	Gym Member	35

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<b>Outdoor Recreation and Related Lodging Facilities</b>	<b>Unit</b>	<b>Design flow (gal/day/unit)</b>
Campground	Campsite with Sewer Hook-up (per person)	32
	Campsite with Sewer Hook-up (per site/space)	100
	Campsite without Sewer Hook-up, with Central Toilet or Shower Facility (per site)	50
	Campsite without Sewer Hook-up, with Central Toilet or Shower Facility, Served by Dump Station (per site)	63
Permanent Mobile Home	Mobile Home	225
Camp, Day without Meals	Person	20
Camp, Day with Meals	Person	25
Camp, Day and Night with Meals	Person	45
Resort	Lodge Hotel Person	62
Cabin, Resort	Person	50
Retail Resort Store	Customer	4
Park or Swimming Pool	Guest	10
Visitor Center	Visitor	13
<b>Transportation</b>	<b>Unit</b>	<b>Design flow (gal/day/unit)</b>
Gas Station	Convenience Store Customer	3.5
	Service Station* Customer	11
	Service Bay	50
	Toilet	250
	Square Foot	0.25
Car Wash* (does not include car wash water)	Square foot	5
Airport, Bus Station, Rail Depot	Passenger	5
	Square Foot	5
	Restroom	565



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<b>Institutional</b>	<b>Unit</b>	<b>Design flow (gal/day/unit)</b>
Hospital*	Bed	220
Mental Health Hospital*	Bed	147
Prison or Jail	Inmate	140
Nursing Home, Other Adult Congregate Living	Resident	125
Other Public Institution	Person	105
School (no gym, no cafeteria, and no showers)	Student	14
School (with cafeteria, no gym, and no showers)	Student	18
School (with cafeteria, gym, and showers)	Student	27.5
School (boarding)	Student	95
Church	Seat	4
	add for each meal prepared	5
Assembly Hall	Seat	4
<b>Miscellaneous</b>	<b>Unit</b>	<b>Design flow (gal/day/unit)</b>
Public Lavatory	User	5
Public Shower	Shower Taken	11
<p>Unless otherwise noted in Table I, the flow values do not include flows generated by employees. A flow value of 15 gallons/employee/eight-hour shift must be added to the flow amount. Design flow determination for establishments not listed in Table I shall be determined by the best available information &amp; approved by the approving authority.</p> <p>Slaughter-houses: Do not allow blood to enter system. Collect blood separately and sell to a renderer. To provide sufficient time to stabilize the remaining high strength waste, twice the capacity is required.</p> <p>Dairy: Septic tanks and soil treatment areas will not treat milk or whey wastes. Do not allow to enter the system.</p> <p>Swimming Pool/Spa: Chlorinated water shall not be allowed to enter the system.</p>		