

APPENDIX II
SEWAGE DESIGN FLOW CRITERIA

Water Services Department
Design Basis for Sewer Systems

DISCHARGE CLASSIFICATION	DESIGN UNITS	FLOW - Gallons / Day
Single Family Over 2,000 s.f.	Each	310
Single Family 2,000 s.f. or less	Each	233
Schools w/ showers & cafeteria	Faculty, Staff, and Students	16
Schools w/out showers & cafeteria	Faculty, Staff, and Students	12
Hotels/motels	per bedroom	130
Restaurants - Full Service (NAICS Class 2, 3)	Per Indoor Seat	40
- Deli, Ice Cream Shop, Coffee (NAICS Class 1)	Per Indoor Seat	25
Service (Fuel) Station w/ car wash	per fuel island/wash bay	1,000/500
Service (Fuel) Station w/ out car wash	per fuel island	1,000
Car wash facility	use historical data	--
Commercial Office	Per Employee	25
Commercial Office w/ showers	Per Employee	31
Commercial Retail	Per Square Foot	0.15
Warehouse space	Per Employee	25
Church (w/out kitchen, daycare, school, or other act.)	Per Sanctuary Seat	3
Church (w/kitchen but no daycare, school, or other act.)	Per Sanctuary Seat	5
Churches ¹ (large, multi-purpose facilities)	Per Seat and each addtl. usage ¹	--
Salon	per station	200
Nursing Homes / Assisted Living	Per Bed	120
Child/Day Care Center	Per Child and Adult	10
Child/Day Care Center w/ showers and/or café.	Per Child and Adult	15
Laundromat (self service)	per machine	250
Dry cleaning (drop off)	Per Employee	25
Swimming pools	per swimmer	10
Theaters, auditoriums	per seat	5
Factory	per person per 8 hr. shift	25
Fitness, exercise, dance center	Per 100 square feet	50

Notes:

1 - Design flow shall be determined by the sum of each usage classification being provided.

Unlisted classifications may use flow data for similar classification or plumbing fixture count method for determining flow.

2 - Per employee calculations are based on maximum employees based on use and space.



Director

November 19, 2014

Date