

UNIFORM PLUMBING CODE OF ABU DHABI:
AN ENVIRONMENTAL GUIDE FOR
WATER SUPPLY AND SANITATION

Appendix G

TABLE G-5 (Continued)

Type of Occupancy	L/day
11. Laundries, self-service (minimum 10 hours per day).....	190 per wash cycle
Commercial.....	Per manufacturer's specifications
12. Motel	190 per bed space
with kitchen.....	230 per bed space
13. Offices	80 per employee
14. Parks, mobile homes.....	950 per space
picnic parks (toilets only).....	80 per parking space
recreational vehicles – without water hook-up	285 per space
with water and sewer hook-up	380 per space
15. Restaurants – cafeterias.....	80 per employee
toilet	7 (26.5) per customer
kitchen waste	25 per meal
add for garbage disposal.....	5 per meal
add for cocktail lounge	10 per customer
kitchen waste – Disposable service.....	10 per meal
16. Schools – Staff and office	80 per person
Elementary students	60 per person
Intermediate and high	80 per student
with gym and showers, add	20 per student
with cafeteria, add	15 per student
Boarding, total waste	380 per person
17. Service station, toilets	380 for 1st bay
.....	1895 for each additional bay
18. Stores	80 per employee
public restrooms, add	4.1 / m ² of floor space
19. Swimming pools, public	40 per person
20. Theaters, auditoriums.....	20 per seat
drive-in	40 per space
(a) Recommended Design Criteria. Sewage disposal systems sized using the estimated waste/sewage flow rates should be calculated as follows:	
(1) Waste/sewage flow, up to 5,678L / day (1,500 gal. / day)	
Flow x 1.5 = septic tank size	
(2) Waste/sewage flow, exceeding 5,678L / day (1,500 gal. / day)	
Flow x 0.75 + 1,125 = septic tank size	
(3) Secondary system shall be sized for total flow per 24 hours.	
(b) Also see Section K 2.0 of this appendix.	

***Note:** Because of the many variables encountered, it is not possible to set absolute values for waste/sewage flow rates for all situations. The designer should evaluate each situation and, if figures in this table need modification, they should be made with the concurrence of the Authority Having Jurisdiction.

SI: 1L = 0.26 gal.