

RULES AND REGULATIONS GOVERNING THE CONSTRUCTION, MAINTENANCE, OPERATION, USE AND PROTECTION OF SANITARY SEWER SYSTEMS AND THE WATERWORKS SYSTEMS IN THE PORTAGE COUNTY REGIONAL SEWER DISTRICT AND STREETSBORO REGIONAL SEWER DISTRICT NO. 4

Effective: 12/20/2020
 Resolution: 20-0791
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 Equivalent Building Usage

ITEM 1401 – EQUIVALENT BUILDING USAGE

Section 1401.01 General

The following equivalency table for calculation of trunk sewer and treatment plant capacity requirements is hereby adopted. Capacity unit calculations shall be rounded to the next highest hundredth (0.01); a minimum capacity unit of one (1.00) shall be charged. Any interpretations or additions for users not shown below will be calculated by the Water Resources Department Sanitary Engineer using generally accepted engineering principals and criteria.

Section 1401.02 Equivalent Building Usage Table

BUILDING USAGE	NOTES	TRUNK UNITS*	PLANT UNITS	PER
Apartments:				
1 Bedroom		0.6250	0.6250	Apartment
2 Bedroom		0.7500	0.7500	Apartment
3 Bedroom		0.8500	0.8500	Apartment
4 Bedroom		1.0000	1.0000	Apartment
Assembly Halls/Banquet Halls		0.0375	0.0375	Employee
(Without kitchen facilities)		0.0075	0.0075	Seat
(With kitchen facilities)	A	0.0175	0.0175	Seat
Barber Shop		0.2000	0.2000	Barber Chair
Beauty Parlor		0.5000	0.5000	Basin
Bowling Alleys		0.1875	0.1875	Lane
Car Wash	B	0.7250	0.7250	Hand Bay
		2.1500	2.1500	Auto Bay
Campground or recreational park				
Primitive w/o showers		0.075	0.075	Site
Primitive w/showers		0.150	0.150	Site
Site with w/o water hookup		0.150	0.150	Site
Site with water hookup		0.225	0.225	Site
Churches (Small) Less than 200 sanctuary seats				
(Without kitchen)		0.0075	0.0075	Sanctuary Seat
(With kitchen)	A	0.0125	0.0125	Sanctuary Seat
Churches (Large) More than 200 sanctuary seats				
(Without kitchen)		0.0125	0.0125	Sanctuary Seat
(With Kitchen)	A	0.0175	0.0175	Sanctuary Seat
Coffee Shop				
		0.0375	0.0375	Employee
		0.0125	0.0125	Seat
Condominiums				
		1.0000	1.0000	Each

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BUILDING USAGE	NOTES	TRUNK UNITS*	PLANT UNITS	PER
Convenience Store (with gas sales)		0.0375	0.0375	Employee
		0.0125	0.0125	Parking Space
		1.2500	1.2500	Pump Island
Country Clubs		0.1250	0.1250	Member
Dance Halls				
(without kitchen facilities)		0.0075	0.0075	Patron
(with kitchen facilities)	A	0.0175	0.0175	Patron
Daycare Facility		0.0875	0.0875	Employee
		0.0250	0.0250	Student
Dentist Office		0.0875	0.0875	Employee
		0.0250	0.0250	Patient
		0.1875	0.1875	Dentist
Doctor Office		0.0875	0.0875	Employee
		0.0250	0.0250	Patient
		0.1875	0.1875	Doctor
Drive Inn Theater		0.0250	0.0250	Car Space
Factories:				
No Showers		0.0625	0.0625	Employee
W/Showers		0.0875	0.0875	Employee
Food Service Operations:				
Ordinary Restaurant (not 24 hr)	A	0.0875	0.0875	Seat
Ordinary Restaurant (24 hour)	A	0.1500	0.1500	Seat
Fast Food (not 24 hour)	A	0.0625	0.0625	Seat
Fast Food (24 Hour)	A	0.0875	0.0875	Seat
Curb Service	A	0.0620	0.0625	Parking space
Hospitals-No Resident Personnel	A	0.8750	0.8750	Employee
	A	0.7500	0.7500	Bed
		0.0875	0.0875	Employee
House (residential)		1.0000	1.0000	House
Institutions-Resident	A	0.2500	0.2500	Bed
Laundries-Coin Operated		1.00	1.00	Machine
Laundry Wastes Require Special Consideration--		Consult District Sanitary Engineer		
Motels or Hotel	A	0.25	0.25	Room
Nursing & Rest Homes	A	0.25	0.25	Resident Employee
		0.125	0.125	Non-Resd. Employee
		0.50	0.50	Bed
Office Building		0.0500	0.050	Employee
Retail Store		0.0375	0.0375	Employee
		0.030	0.030	Parking space

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BUILDING USAGE	NOTES	TRUNK UNITS*	PLANT UNITS	PER
Schools:		0.0375	0.0375	Employee
Elementary	(A if cafeteria)	0.0375	0.0375	Pupil
Junior & Senior High	(A if cafeteria)	0.0500	0.0500	Pupil
Service Stations:				
	B	1.25	1.25	Bay
		1.25	1.25	Island
Shopping Center		0.0375	0.0375	Employee
Without food service		0.005	0.005	Parking Space
With food service	A	0.0125	0.0125	Parking Space
Swimming Pools				
Without hot showers		0.0125	0.0125	Swimmer
With hot showers		0.0250	0.0270	Swimmer
Theater		0.0125	0.0125	Seat
Trailer Parks:				
Single Wide Trailer		0.7500	0.7500	Single Wide Trailer
Double Wide Trailer		0.7500	0.7500	Double Wide Trailer
Travel Trailer Parks & Camp		0.3125	0.3125	Trailer or Space
Travel Trailer Dump Station (Holding Tank To Be Pumped Out & Hauled Away)				
Vacation Cottages				
Without Kitchen		0.1250	0.1250	Person
With Kitchen		0.1875	0.1875	Person
Veterinarian Office & Animal Hospital (Outside trash trap may be required if over 10 kennels)		0.050	0.050	Kennel/Cage/Run
		0.0375	0.0375	Employee
Youth & Recreation Camps		0.0375	0.0375	Employee
		0.125	0.125	Employee overnight
		0.125	0.125	Camper overnight
		0.0375	0.0375	Camper (w/ food service)
		0.0250	0.0250	Camper (no food service)

NOTES: A. Approved outside grease trap required.

B. Approved outside oil interceptor required.

* One unit equals the trunk and plant capacity requirements of a single family residence which is estimated at 400 gallons per day of wastewater.

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**Section 1401.03 Use of Equivalent Building Usage Table
to Set Equivalent Surcharge Units**

The equivalency table in Section 1401.02 shall be used to establish Equivalent Surcharge Units where no records exist or where new customers with existing service is provided by one other than Portage County Water Resources. The Equivalent Surcharge Units calculated per section 1401.02 shall be referenced in an agreement between the owner, or the owner's representative or agent, and Portage County. Equivalent Surcharge Units shall be rounded to the next highest hundredth (0.01); a minimum Equivalent Surcharge Units unit of one (1.00) shall be *assigned*. Any interpretations or additions for users not shown in table 1400.01 will be calculated by the Water Resources Department Sanitary Engineer using generally accepted engineering principals and criteria.

- END OF ITEM -