

CLARK REGIONAL WASTEWATER DISTRICT COMMERCIAL FLOW CALCULATION FORM

ADDRESS: _____ JOB NAME: _____

GALLONS PER USE _____ JOB NUMBER: _____

1. Look up Gallons Per Use in attached list and write the amount in the "Gallons" space in Formula 1.
2. Look up Units in attached list (Example: # of employees, parking spaces, rooms, beds, etc.) and write in "Unit" space in Formula 1.
3. Write the result of Formula 1 in GPD space in Formula 2.
4. Determine number of shifts or any portion and divide number of hours worked by 8 (Example: 10 hour shift - 10/8 or 1.25) and write in "Shift" space in Formula 2 (Round to Tenths).
5. In Formula 3, write product of Formula 2 in ERU space and multiply by GFC (General Facilities Charge) and RFC (Regional Facilities Charge if development is in the system that flows to the Salmon Creek Treatment Plant).
6. Contact Clark Regional Wastewater District at (360) 750-5876 with any questions.

FORMULA 1

_____	x	_____	=	_____
Gallons		Units		GPD

FORMULA 2

_____	x	_____/290	=	_____
GPD (From Above)		# of Shifts (If Applicable)		ERU (Round to Tenths)

FORMULA 3

_____	x	_____	=	\$ _____
ERUs (From Above)		GFC & RFC *(If Applicable)		AMOUNT DUE Include Permit Fee

NOTE: MINIMUM OF 1 (ONE) ERU FOR NEW CONSTRUCTION CONNECTIONS

CURRENT GFC (General Facilities Charge) = \$1,898.00 (Effective 1/1/06)

CURRENT RFC (Regional Facilities Charge) = \$4,444.00 (Effective 1/1/06)
*(Salmon Creek Treatment Plant Connections Only)

PERMIT FEE (Per Building) MINIMUM = \$140.00

ALL FEES SUBJECT TO CHANGE BY COMMISSIONER RESOLUTION

RESTAURANTS

12 seats per ERU (Divide total seating by 12 and write in "ERU" space)

_____	ERUs x	[GFC _____	+ RFC _____]	+ PERMIT _____	=	_____
			(SCTP Only)	(Per Connection)		AMOUNT DUE

Owner(s) Signature(s)

Owner(s) Printed Name

Date

Commercial Classes
DAILY SEWAGE FLOW VALUES ACCORDING TO ESTABLISHMENT
(Based on Maximum Potential Use)

Customer Class	Type of Establishment	Flow value
185	Airport	15 gal./employee 5 gal./passenger
180	Assembly hall, auditorium or event facility with kitchen add	0.9 ERU/100 people (occupancy) 0.54 ERU/100 people
140	Athletic, health & racket club 0—100 members (no pool) 0—100 members (w/ pool) add Over 100 members	25 gal./employee 10 gal./member Swimming pool factor (class 145)
142		Flow meters must be used
95	Auto wash with restrooms add	Provide manufacturer's info. 5 gal./hour-operation
150	Beauty salon/barber Operators (full-time 6+ hours/day)	5 gal./sink/hour 25 gal./day
100	Bowling alley (extra for all food services)	75 gal./lane
175	Campground Picnic - toilets only Tent/RV camping	20 gal./parking space 75 gal./site
180	Church - sanctuary with kitchen add	0.9 ERU/100 people (occupancy) 0.54 ERU/100 people
64	Clinic, outpatient	30 gal./employee
85	College and university	FTE=Full time equivalent (Students+staff) 10 gal./FTE
82	Daycare facility – Part time only Full time	5 gal./person 10 gal./person
54	Detention facility Employees	100 gal./person 25 gal./employee
56	Hospital laundry waste add	175 gal./bed 40 gal./bed
30	Hotel	100 gal./room

**DAILY SEWAGE FLOW VALUES ACCORDING TO ESTABLISHMENT
(Based on Maximum Potential Use) (Cont.)**

Customer Class	Type of Establishment	Flow value
199	Industrial - Commercial establishment (excluding industrial waste) No showers (each shift) With showers add With cafeteria add Drivers/Field personnel	25 gal./employee 10 gal./employee 5 gal./employee 25 gal./4 employees For determining the number of employees of an establishment with a fluctuating workforce, the initial connection fees shall be based on an average of the highest and lowest employee count anticipated for the next 12 months. Once a calendar year, the owner of the business shall submit a certified payroll for the preceding calendar year. The engineer or designee shall determine actual use by calculating a monthly average of employees over the 12-month period. Upon any re-calculation, the owner of the business shall be responsible for payment of any additional connection fees.
198	Industrial waste (to be metered)	Based on actual flow converted to ERUs
112	Kiosk - Drive-thru facility Sink only with Restroom	1/5 ERU 1/2 ERU
70 75	Laundry Self-service Commercial	1 machine/ERU Provide manufacturer's specs.
180	Club or lodge With kitchen add	0.9 ERU/100 people (occupancy) 0.54 ERU/100 people
30	Motel with kitchen add with jacuzzi/pool add with event facility add	100 gal./room 10 gal./room 5 gal./room 0.9 ERU/100 people (occupancy)
60	Office	25 gal./employee
170	Public Restroom / Park	1 ERU
110 116	Restaurant Customer seating (inside only) With Cocktail lounge add	12 seats/ERU 2 gal./seat (lounge area only)

**DAILY SEWAGE FLOW VALUES ACCORDING TO ESTABLISHMENT
(Based on Maximum Potential Use) (Cont.)**

Customer Class	Type of Establishment	Flow Value
172	RV dump	1 ERU
80 81	School Elementary, middle & junior high	Total = student count + staff total/32 = ERU total/20 = ERU
90 95	Service station (no public facility) with retail facility add with auto wash add	1 ERU Store calc Auto wash calc
130 135 110	Store (with no public restroom) with public restroom use with grocery stores add with retail food services add	25 gal./employee 1 gal./40 sq. ft. floor 1 gal./40 sq. ft. floor 12 seats/ERU
145	Swimming pool	Residential = .5 ERU Commercial * Indoor= 10 gal./person x ((A-S)/30 + (S/25)) * Outdoor= 10 gal./person x ((A-S)/30 + (S/15)) x 0.3 *A= Total pool surface area (ft ²) S= Area less than 5 ft deep (ft ²)
180	Theater With food service add	0.9 ERU/100 people (occupancy) 0.54 ERU/100 people
65	Veterinarian clinic With grooming services add With boarding add	30 gal./employee 50 gal./stall (tub) 5 gal./stall (kennel)

All seating or occupancy is based on the fire district or building department seating. All gallon values have been established based on a combination of UPC, Washington DOE Criteria and ICBO codes and current established uses.

Fee Calculation Form

Churches, Lodges, Club Houses, Assembly Halls, Auditoriums

Location: _____ Job #: _____

Legal Description: _____

$$\text{Conn.} = \frac{\text{_____}}{\text{(Seating)}} / 100 = \text{_____} \times .90 = \frac{\text{_____}}{\text{(ERU)}} \times \frac{\text{_____}}{\text{(GFC \& RFC If Applicable)}} = \frac{\text{_____}}{\text{(Conn. Fee)}}$$

OR,

IF THERE ARE KITCHEN FACILITIES:

$$\frac{\text{_____}}{\text{(ERU From Above)}} \times .60 = \text{_____} + \frac{\text{_____}}{\text{(ERU from Above)}} = \frac{\text{_____}}{\text{(Total ERU)}} \times \frac{\text{_____}}{\text{(App. Conn. Fee)}} = \text{_____}$$

Credits (If Applicable)	\$	
Total Sewer Connection Fee	\$	
Latecomer Reimbursement	\$	
ULID Fee	\$	
Plan Check Fee	\$	
Pretreatment Fee	\$	
<i>Subtotal</i>	\$	
Permit Fee	\$	
Total Due	\$	

Miscellaneous:

Date: _____

By: _____