



# COMMERCIAL FLOW CALCULATION FORM

BUSINESS/FACILITY NAME: \_\_\_\_\_ JOB NUMBER: \_\_\_\_\_  
SITE ADDRESS: \_\_\_\_\_  
\_\_\_\_\_

## FLOW CALCULATION

### Sewage Flow Value (Table 1 and 2, 5.28.020 District Code)

Select the type(s) of establishment that best describes the business(es). When there is more than one, select each one represented. Round to the nearest tenth.

_____	_____	x	_____	=	_____	ERU
Type of Establishment	Units		Flow Value		Flow	
_____	_____	x	_____	=	_____	ERU
Type of Establishment	Units		Flow Value		Flow	
_____	_____	x	_____	=	_____	ERU
Type of Establishment	Units		Flow Value		Flow	

☐ Yes ☐ No The facility(s) will discharge Industrial or process wastewater? If yes, enter the amount of wastewater to be discharged or, if not known, the volume of water consumption:

\_\_\_\_\_ GPD x 1 ERU/200 GPD = \_\_\_\_\_ ERU  
Wastewater

**TOTAL FLOW:** \_\_\_\_\_ ERU

## CONNECTION FEE

**System Development Charges (SDC)** Tier 1 = \$ 3,827.00/ERU  
Effective 1/1/2025 Tier 2 = \$ 7,744.00/ERU  
Tier 3 = \$11,468.00/ERU  
Tier 4 = \$11,468.00/ERU

Go on-line at [www.crwwd.com/rates](http://www.crwwd.com/rates)  
or Contact Development Services  
for information regarding SDC Tiers  
(360) 750-5876

*All Fees subject to change by Commissioner Resolution.*

\_\_\_\_\_ (ERU) x \_\_\_\_\_ (\$/ERU) = \$  
Total Flow SDC  
Permit Fee: \$

**TOTAL AMOUNT DUE:** \$

Local facility and latecomer reimbursement charges may apply. Contact Development Services for information. The permit fee for new commercial construction is \$140.00/building.

*The minimum flow for shell buildings is 1 ERU.*

### Definitions:

FTE = Full time equivalent (students and staff)  
GPD = Gallons per Day  
ERU = Equivalent Residential Unit (200 GPD)  
DC = District Code

## CERTIFICATION STATEMENT

---

- Owner is responsible to pay all applicable fees and charges prior to connection, including permit fee, connection charges and local facility charges.
- The minimum flow for shell buildings is 1 ERU.
- The District may inspect the property to confirm the flow values depicted above. Adjustments to flow values will be administered in accordance with District Code 5.28.020(I).
- Owner is responsible to comply with wastewater pretreatment requirements, Chapter 5.52 District Code, regulating discharge of pollutants, including fats, oils and grease, into the District sewer system.

I certify under penalty of law that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

---

Signature

---

Date

---

Printed Name

---

Title

# COMMERCIAL FLOW CALCULATION FORM

## DAILY SEWAGE FLOW VALUES ACCORDING TO ESTABLISHMENT

(Based on Maximum Potential Use)

Type of Establishment	Flow value
Assembly hall, church, auditorium, theater or event facility With kitchen add	0.9000 ERU/100 people (occupancy) 0.6000 ERU per each kitchen
Assisted Living (with food service and private restrooms)	0.2500 ERU/bed
Athletic, health and racket club 0-100 members (no pool) 0-100 members (w/pool) add Over 100 members (must be metered)	0.0833 ERU/employee 0.0333 ERU/member See swimming pool factor Actual flow converted to ERUs
Beauty salon/barber Operators (full-time 6+ hours/day)	0.1000 ERU/FTE
Clinic, outpatient	0.1000 ERU/employee
Daycare facility - Part-time only Full-time	0.0167 ERU/person 0.0333 ERU/person
Educational facilities (non-residential) Elementary, middle and high school College and university	Full-time equivalent (FTE=student + staff) 0.0313 ERU/FTE 0.0345 ERU/FTE
Fitness studio	0.0313 ERU/FTE (FTE=student + staff)
Hospital Laundry waste add	0.5882 ERU/bed 0.1379 ERU/bed
Hotel, motel and resort Without kitchen With kitchen add With swimming pool add With event facility add	0.3333 ERU/room 0.0500 ERU/room Swimming pool factor (below) 0.9000 ERU/100 people (occupancy)
Industrial (excluding industrial waste) No showers (each shift) With showers add With cafeteria add Drivers/Field personnel (1)	0.0833 ERU/employee 0.0333 ERU/employee 0.0167 ERU/employee 0.0200 ERU/employee
Industrial waste (must be metered)	Actual flow converted to ERUs
Kiosk - Drive-thru facility Sink only With restroom add	0.2000 ERU 0.5000 ERU
Nursing/rest home (long-term/full-time care)	0.4348 ERU/bed
Office	0.0833 ERU/employee
Public restroom/park	1.0000 ERU

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

Restaurant Customer seating (inside only) Quality restaurant (as determined by the respective local government with land use authority)	0.0833 ERU/seat 0.0575 ERU/seat
Recreational vehicle dump	1.0000 ERU
Store (with no public restroom) With public restroom use With grocery stores add With retail food services add	0.0833 ERU/employee 0.0833 ERU/1,000 sq. ft. floor 0.0833 ERU/1,000 sq. ft. floor 0.0833 ERU/seat
Swimming pool Residential or commercial *Indoor *Outdoor	$30 \text{ people/ERU} \times ((A-S)/30 + (S/25))$ $30 \text{ people/ERU} \times ((A-S)/30 + (S/15)) \times 0.3$ *A = total pool surface area (ft. <sup>2</sup> ) *S = areas less than 5 ft. deep (ft. <sup>2</sup> )
Veterinarian clinic With grooming services add With boarding add	0.1000 ERU/employee 0.1667 ERU/stall (tubs) 0.0167 ERU/stall (kennels)

All seating or occupancy is based on the fire district or building department seating. All flow values have been established based on a combination of Unified Plumbing Code, Washington Department of Ecology Criteria, International Conference of Building Officials, and current established uses.