

**CITY OF BURBANK
PUBLIC WORKS**

Required Sewer Study Policy

A permit applicant will pay for the City of Burbank to model the increase in sewer flows caused by the applicant prior to the issuance of a permit to connect to or tap a public sewer if any of the following conditions occur:

- The applicant proposes an extension of the public sewer system.
- The applicant proposes a change in land use from what is shown in the City's General Plan (current as of 12/1/04) that may result in an increase in net sewer flows.
- The applicant proposes a net increase in sewer flows over 1000 gallons per day.

The proposed sewer flows added to the model will be based on the proposed user/occupancy type in accordance with Table 1 below. Sewer flows for user/occupancy types not listed and water intensive industrial processes will be determined at the discretion of the Director.

Table 1 – Sewer Flows

User/Occupancy Type	Unit of Usage	GPD/Unit
Group I - Residential		
Multi-Family Apt or Condo	Dwelling Unit	183.00
Mobile Home Park	Dwelling Unit	155.28
Single Family Residential	Dwelling Unit	215.00
Dormitory or Boarding House	Bed	74.65
Group II - Commercial (Low Strength)		
Agricultural/Landscaping Service	1000 SF	21.35
Amusement & Recreation Services: Outdoor	Entrant	8.54
Apparel Product Manufacturing	1000 SF	85.39
Apparel and Accessory Store	1000 SF	68.31
Auto Parking	1000 SF	21.35
Bar or Night Club without Restaurant	1000 SF	348.38
Bar or Night Club without Restaurant	Seat	17.92
Barber Shop	1000 SF	85.39
Beauty Shop	1000 SF	239.08
Bowling/Skating	1000 SF	68.31
Car Wash (Tunnel Area, with Recycling)	1000 SF	3236.91
Construction Service (Field Office)	Office	128.08
Department and Retail Stores (No Restaurants)	1000 SF	85.39
Durable Goods - Wholesale Trade	1000 SF	68.31
Freight Trucking Services & Warehousing	1000 SF	17.08
Furniture and Fixture Manufacturing	1000 SF	21.35
Grocery Market w/out Butcher or Baker	1000 SF	85.39
Health Services: Hospital	Bed	170.56
Health Services: Other	1000 SF	284.27
Health Services: Psychiatric/Convalescent	Bed	71.07
Health Services: Surgical	Bed	426.41
Health Spa	1000 SF	234.81
Homeless Shelter	Bed	71.07
Laundromat, Public	Washer	287.83

Sewer Study Policy
Page 2

Table 1 – Sewer Flows

User/Occupancy Type	Unit of Usage	GPD/Unit
Lumber Yard, Hardware or Gardening Sales	1000 SF	85.39
Machine Shop (Excluding Electrical)	1000 SF	68.31
Manufacturing, Other	1000 SF	68.31
Massage Parlor	1000 SF	234.81
Motion Pictures, Indoor Amusement	1000 SF	68.31
Motion Pictures/Theater/Auditorium	Seat	3.42
Museum, Art Gallery	1000 SF	17.08
Nursery or Greenhouse	1000 SF	21.35
Professional Offices	1000 SF	110.12
Railroad Transportation Facility	1000 SF	85.39
Recreational Vehicle Park	Space	54.75
Restaurant: Preprocessed Food	1000 SF	119.44
Shopping Center	1000 SF	85.39
Storage, Outdoor	1000 SF	21.35
Studios: Production/Recording Sound Stage	1000 SF	68.31
Veterinarian	1000 SF	239.08
Warehouse Storage, Indoor	1000 SF	17.08
Wholesale Trade/Sales	1000 SF	85.39
Group II Low Strength Not Listed	1000 SF	86.92
Group III - Commercial (Medium Strength)		
Air Transport Fixed Facility	1000 SF	106.50
Bar or Night Club with Restaurant	1000 SF	656.27
Beverage Manufacturing	1000 SF	948.07
Chemicals & Allied Product Mfg	(a)	
Lodging, Hotel, or Motel (Excluding Dining)	Room	133.36
Kennel	1000 SF	127.84
Laboratory	1000 SF	287.88
Laundromat, Commercial	Washer	143.79
Laundry, Industrial	1000 SF	7591.95
Mall (with Food Services)	1000 SF	124.91
Medical Lab	1000 SF	284.74
Metal Industry	(a)	
Mortuary	1000 SF	154.90
Plastic Product Manufacturing	(a)	262.32
Printing, Publishing & Allied Industry	1000 SF	262.32
Repair Station, Automobile	1000 SF	137.38
Service Station, Automobile	Station	525.59
Textile Manufacturing	(a) ^b	
Transport Equipment Manufacturing (Including Aircraft)	(a)	262.32
Water Supply Service	(a)	262.32
Wood Product Manufacturing	1000 SF	41.23
Group III Medium Strength Not Listed	1000 SF	102.37
Group IV - Commercial (High Strength)		
Bakery	1000 SF	771.32
Dairy Product Manufacturing	1000 SF	1592.39
Food Product Mfg (Industrial)	1000 SF	412.94

(a) Evaluate individual process discharges. Default value is as shown.

(b) Evaluate individual process discharges. Default value is as shown.

Hotel with Dining Facilities	– Allocate to Restaurant and Lodging	
Paint Manufacturing and Usage	(a)	1119.00
Restaurant or Deli: Take-out	1000 SF	826.42
Restaurant, Cafeteria or Full Service	Seat	66.11
Restaurant, Fast Food	Seat	55.09
Restaurant, Other	1000 SF	2272.65
Restaurant: Coffee/Donut Shop	1000 SF	771.32
Supermarket (Grocery) with Butcher or Baker	1000 SF	404.02
Group IV High Strength Not Listed	1000 SF	826.42
Group V – Institutional		
Church	1000 SF	42.69
Church	Seat	4.27
Community Center (No Kitchen)	Occupant	3.42
Membership Organizations	1000 SF	106.73
Prison with Food Services	Inmate	186.71
School: Day Care, Elementary & Junior High	Student	7.59
School: High	Student	11.39
School: Other	1000 SF	151.88
School: Private	1000 SF	151.88
School: University or College	Student	15.19
School: Vocational	Student	11.39
Social Services	1000 SF	124.42
Group V Institutional Not Listed	1000 SF	106.73

The Permit Applicant must pay a fee, as shown in the Adopted Citywide Fee Schedule, prior to the City of Burbank performing the sewer modeling.

The City's sewer model is based upon build-out under the land use in the existing General Plan (as of 12/01/2004), during a 5-year return frequency rainfall event. In the event that flow from a proposed project causes any pipe in the model to have a depth of flow to pipe diameter ratio (d/D) greater than 0.5 for pipes up to 18-inches in diameter or 0.75 for pipes 18-inches and greater in diameter, the pipe will be determined to have a capacity deficiency.

Capacity deficiency mitigation must be approved by the Director prior to the issuance of a permit. This mitigation can take the form of structurally limiting flows from the proposed project, upgrading existing sewer lines to accommodate the increased flows, relieving flow in the existing sewer lines by constructing a diversion structure, or a combination thereof. If mitigation is required, the Director will notify the Permit Applicant. The Permit Applicant will then provide the Director with proposed mitigation. Proposed mitigation will then be modeled by City Staff to demonstrate its acceptability.