

1.0 Purpose and Need

The Regional Sanitary Sewer System requires standard planning parameters to ensure availability of adequate capacity to support current and future development within the HRSD service area. Planning is accomplished by HRSD as well as the localities within the HRSD service area. This policy applies to all connections to the Regional Sanitary Sewer System.

2.0 Definitions

Regional Sanitary Sewer System. All of the wastewater collection and transmission systems, including all pipes, Force Mains, Gravity Lines, Pumping Stations, Pressure Reducing Stations, manholes and appurtenances thereto, which are owned or operated by the Localities as well as the HRSD Sanitary Sewer System. Regional Sanitary Sewer System therefore refers to all portions of the individual Locality and HRSD collection and transmission systems and appurtenances thereto. Sewer laterals from buildings are not considered part of the Regional Sanitary Sewer System.

Flow Acceptance. The process for the purpose of reviewing proposed new connections or major modifications to existing connections to the regional sanitary sewer system.

3.0 Guiding Principles

HRSD is responsible for ensuring adequate sewer capacity exists to meet the needs of the localities within the HRSD service area. HRSD is committed to building the appropriate wastewater infrastructure at the appropriate time. Additionally, HRSD is committed to planning that balances social, environmental and economic issues, integrated with the localities within the HRSD service area.

As such, no connections shall be made to the Regional Sanitary Sewer System without HRSD approval via the Flow Acceptance process. Approval shall only be granted for facilities designed in accordance with these flow projections.

4.0 Procedures

HRSD and the Localities shall use the Regional Sewage Flow Projection Data (Table 4.1) for infrastructure sizing and flow acceptance.

COMMISSION ADOPTED POLICY
Regional Sewage Flow Projection Data



Adopted: December 16, 2014

Revised: N/A

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Table 4.1 - Regional Sewage Flow Projection Data

Land Use	Contributing Design Units	Flow (gpd/Unit)	Flow Duration (hours)	Peak Factor
Residential				
Residential Dwellings, including: Single Family Homes, Trailers, Apartments, Condos, Townhomes	Per Residential Unit	310	24	2.5
Medical Facilities				
Hospitals	Per Bed	300	24	3
Nursing Homes & Assisted Living		160	24	
Medical Office Building	Per Gross SF	0.25	12	
Tourism Facilities				
Motels & Hotels	Per Room	130	24	3
Educational Facilities				
High School (w/ showers)	Per Student / Faculty	15	8	3
Elementary & Middle School		10	8	
College/University Campus & Day Care		10	12	
Boarding Schools		75	16	
Recreational Facilities				
Picnic Areas, Parks & Amusement Parks	Per Person	5	12	3
Movie Theater	Per Seat	2.5	12	
Religious Assembly		2.5	6	
Campground / Cabins	Per Site / Per Unit	100	24	
Dining /Eatery Facilities				
Restaurants	Per Seat	30	16	3
Service & Retail Facilities				
Shopping Mall & Retail Shops	Per Gross SF	0.2	12	3
Convenient Store		0.3	24	
Office Building		0.1	12	
Fitness Center		0.1	16	
Service Stations		0.4	16	
Laundromats		Per Machine	500	
Industrial Facilities				
Heavy Industrial	Per Gross SF	0.35 ⁽¹⁾	16	3
Light Industrial		0.1 ⁽¹⁾	16	
Warehouse		0.05	24	

Last Updated - 2014.07.15

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Table 4.1 Notes:

- (1) The stated flow per day per unit is provided as a guide and should only be used if known data for similar heavy or light industrial facilities is not available.

For undeveloped property zoned other than residential:

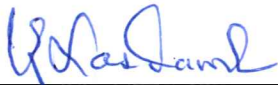
- a. Average daily flows may be projected at a rate of 1,000 gpd per acre.
- b. Consideration should be given to designated wetlands and other undevelopable areas which should be excluded from the gross acreage.
- c. A peaking factor of 3 shall be used.

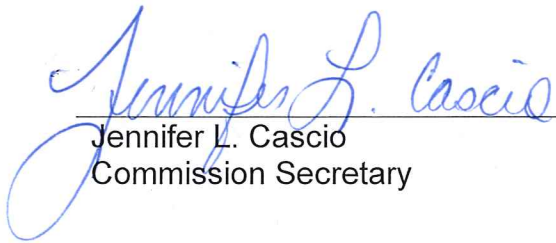
For undeveloped property zoned residential:

- a. Average daily flows may be projected at a rate of 310 gpd per unit based on the zoning density.
- b. A peaking factor of 2.5 shall be used.

5.0 Responsibility and Authority

The Planning and Analysis Division shall be responsible to ensure compliance with HRSD Regional Sewage Flow Projection Data Table during the Flow Acceptance process.

Approved:  12/16/2014
Vishnu K. Lakdawala, Ph.D. Date
Commission Chairman

Attest:  12/14/2014
Jennifer L. Cascio Date
Commission Secretary