COMMISSION ADOPTED POLICY Regional Sewage Flow Projection Data



### 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 <u>Definitions</u>

**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	Page 2 of 3
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Land UseContributing Design UnitsFlow (gpd/Unit)Peak Pack (pdurs)Peak FactorResidential Single Family Homes, Trailers, Apartments, Condo, TownhomesPer Residential Unit310242.5Medical FacilitiesPer Residential Unit310242.5Medical FacilitiesPer Bed 160300243Medical Office Building Medical Office BuildingPer Gross SF0.25123Tourism FacilitiesPer Gross SF0.25123Educational FacilitiesPer Room130243Educational FacilitiesPer Student / Faculty1083College/University Campus & Day Care Boarding SchoolPer Person5123Picnic Areas, Parks & Amusement Parks Religious AssemblyPer Student / Per Seat10243Picnic Areas, Parks & Amusement Parks Religious AssemblyPer Seat30163Convenient StorePer Ste / Per Unit100243Dining /Eatery FacilitiesPer Gross SF0.1123Shopping Mall & Retall Shops Convenient Store0.32433Gording Erities Scenter0.11633Gervice & Retail Facilities0.11633Convenient Store0.32433Gervice & Retail Facilities0.1163Gervice & Retail Facilities0.3243Gervic		ilai Sewaye i lov	i i i ejectici				
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Industrial Facilities       Heavy Industrial     0.35 <sup>(1)</sup> 16       Light Industrial     Per Gross SF     0.1 <sup>(1)</sup> 16     3	Service Stations		0.4	16			
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Light Industrial Per Gross SF 0.1 <sup>(1)</sup> 16 3	Industrial Facilities						
	Heavy Industrial	Per Gross SF	0.35 <sup>(1)</sup>	16	3		
	Light Industrial		0.1 <sup>(1)</sup>	16			
			0.05	24			

# Table 4.1 - Regional Sewage Flow Projection Data

Last Updated - 2014.07.15

COMMISSION ADOPTED POLICY Regional Sewage Flow Projection Data



Adopted: December 16, 2014

Revised: N/A

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 <u>Responsibility and Authority</u>

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:

Vishnu K. Lakdawala, Ph.D. Commission Chairman

12/16/2014

Date

Attest:

asero

Jennifer L. Cascio Commission Secretary

Date