

## SANITARY SEWER ELEMENT

**Goal 5.0.** Provide residents of the Unincorporated Area, large users, and customers of Broward County utility districts, cost effective, equitable and adequate sanitary sewer facilities meeting applicable federal, state, and local design standards and effluent water quality standards.

**Objective 5.1.** Broward County Water and Wastewater Services (WWS) shall identify and, where feasible, correct existing sanitary sewer facilities deficiencies by 2015.

**Policy 5.1.1.** In the absence of legal constraints on the use of revenues, Broward County WWS should maintain funding for system improvements identified in the Capital Improvements Element to alleviate sanitary sewer systems deficiencies consistent with the Capital Projects Prioritization system established by Broward County WWS on July 3, 2001.

**Policy 5.1.2.** Broward County WWS shall develop and maintain an inventory of all its sanitary sewer facilities serving Unincorporated Area residents, customers, and large users.

**Objective 5.2.** Sanitary Sewer facilities shall be provided to meet the County's short-term and long-term future needs.

**Policy 5.2.1.** The level of service (LOS) standard for sanitary sewer facilities shall be the Florida Department of Environmental Protection Permitted Capacity of the facility. The LOS standard for wastewater treatment plants shall be measured by average daily flow.

**Policy 5.2.2.** Broward County WRD shall use the information contained in Table 5-1 to assess adequacy of service and concurrency for municipal wastewater treatment facilities.

**Policy 5.2.3.** Broward County WWS shall use the information contained in Table 5-1 to assess adequacy of service and concurrency for potential retail customers. For large users of the North Regional Wastewater Treatment Plant, Broward County WWS will use the flow information contained in the FDEP permit application to assess adequacy of service and concurrency.

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**TABLE 5-1  
WASTEWATER DESIGN FLOWS**

Type of Structure Specific Condition	Design Flow per Unit in Gallons per Day
Airports, bus terminals, train stations, Port & Dock facilities	5
per passenger	20
add per employee per 8 hour shift	
Assembly Halls per seat	2
Bar & Cocktail Lounge (No food service) per seat	20
Barber and Beauty Shops	100
per dry service chair	200
per wet service chair	
Bowling Alleys	100
per lane (no Food Service)	
Camps	25
day, no food service	100
luxury resort, per person	100
labor, per person	
Camper or RV Trailer Park	
per space	150
Car Wash	
automatic type	3,500
automatic type (recycled water)	350
hand wash	1,750
Churches	7
per sanctuary seat	
Dance Halls	
per person	2
Dentist Offices	
per dentist	250
plus wet service chair	200
Doctor Offices	
per physician	250
plus wet service chair	200
Drive-in theater	
Per car space	5
Fire Station	
per bed	100
Hospitals and Nursing Homes	
per bed space (Does not include public food service areas and offices)	210

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**TABLE 5-1  
WASTEWATER DESIGN FLOWS**

Type of Structure Specific Condition	Design Flow per Unit in Gallons per Day
Institutions per person (including resident staff)	100
Kennels per animal space per veterinarian	30 250
Laundries per coin operated machine per commercial non-coin operated machine	400 650
Marinas per boat slip (Does not include office, repair & leisure facilities)	40
Office Buildings per square foot of floor space	0.20
Parks, Public with Comfort Stations per visitor	10
Recreation / pool Buildings per person (300 gallon minimum)	2
Residences Single family, detached Multi-family buildings Motel/Hotel Units Bedroom additions to SFR Mobile Homes	300 GPD each unit 250 GPD per unit 150 GPD per bedroom 150 GPD per bedroom 300 GPD each
Restaurants open 24 hours, per seat (including bar) open less than 24 hours/seat (including bar) open less than 24 hours, with drive thru window, per seat including bar Drive-ins, per space Carry out food service only per 100 square feet	50 30 35 50 50

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**TABLE 5-1  
WASTEWATER DESIGN FLOWS**

Type of Structure Specific Condition	Design Flow per Unit in Gallons per Day	
	Elementary/Middle	High
Schools:		
each pupil per day	10	15
add for shower/pupil	5	5
add for cafeteria/pupil	5	5
boarding pupil	100	210
Service Stations and auto repair shops		
per water closet		250
plus per service bay		100
Shopping Centers and retail shops		
per sq. ft. of floor space (no food service or laundry)		0.1
Theaters and auditoriums		
per seat		5
Warehouse, mini-storage, with resident manager		0.01
per square foot or floor space plus resident		250
Warehouses		
per sq. ft. of storage space		0.1

Source: Article V, "Water Resource Management" Chapter 27, Broward County Code of Ordinances.

**Policy 5.2.4.** The Broward County Health Department, Florida Department of Health, shall continue to utilize the development review process of the Land Development Code to require applicants for development permits to utilize existing sanitary sewer facilities if lines are "available" as defined by Chapter 10D-6, "Standards for Onsite Sewage Treatment and Disposal Systems", Florida Administrative Code (FAC), pursuant to Section 381.0065, "Onsite sewage disposal systems; installation; conditions," Florida Statutes.

**Policy 5.2.5.** Design for additional capacity shall be in accordance with Section 62-600.405, FAC.

**Policy 5.2.6.** An assessment of the impacts of the construction and operation of wastewater treatment plants and support services on adjacent natural resources shall be prepared during site review when considering the siting of new wastewater treatment plants and the expansion of, or increase in capacity of, wastewater treatment plants.

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**Policy 5.2.7.** In the event of a dispute involving the siting of, the expansion of, or the increase in capacity of, wastewater treatment plants, the affected parties, if all affected parties agree, may opt to use the dispute mediation process of the South Florida Regional Planning Council (SFRPC).

**Policy 5.2.8.** Within one year after the effective date of this policy, Broward County, in coordination with adjacent sanitary sewer providers, shall develop a plan to eliminate those two (2) areas where existing septic tank systems would not be permitted because they do not conform to the requirements of Chapter 64E-6, FAC.

**Policy 5.2.9.** Broward County will increase to the North Regional Wastewater Treatment Plant capacity to 100 mgd by the year 2008.

**Policy 5.2.10.** Broward County shall encourage maximizing the use of existing sanitary sewer facilities and reducing redundant facilities.

**Policy 5.2.11.** Broward County shall promote the implementation of an integrated geographic information system in order to make available standardized land use and sanitary sewer facilities information for local and regional planning.

**Policy 5.2.12.** Broward County shall update the Retail Service Water and Wastewater Master Plan after the 2010 census data and resulting revised population projections are available.

**Objective 5.3.** Maximize the use of existing sanitary sewer facilities and encourage compact urban growth patterns.

**Policy 5.3.1.** Broward County shall continue to utilize the development review process of the Land Development Code to require applicants for development permits within the County's utility districts to enter into an agreement to "tie-in" to existing facilities or construct improvements to the County's sanitary sewer system necessitated by the proposed development when adequate facilities, based on adopted level of service standard, are not available and no fiscally feasible plan to construct or expand said facilities is proposed.

**Policy 5.3.2.** Broward County shall continue to coordinate the provision of sanitary sewer services through agreements with municipalities and other service providers in Broward County.

**Policy 5.3.3.** The Broward County Planning and Redevelopment Division shall recommend the denial of future land use map amendments where densities or intensities are increased if:

1. Sanitary sewer and permitted effluent disposal facilities are not available;

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and

2. Where plans to extend such facilities so that they become available are not included within a financially feasible capital improvements program.

**Policy 5.3.4.** As an alternative to new sanitary sewer facility construction, Broward County shall identify opportunities to increase efficiency and optimize the use of existing sanitary sewer facilities.

**Policy 5.3.5.** Broward County shall encourage the use of coordinated regulatory and programmatic approaches and financial incentives to promote compact, efficient urban growth patterns.

**Policy 5.3.6.** The Broward County Planning and Redevelopment Division shall recommend denial of future land use map amendments to an industrial classification when sanitary sewer facilities for disposal of non-domestic wastewater are not available.

**Objective 5.4.** Sanitary sewer facilities shall be designed, constructed, maintained, and operated in a manner that conserves and protects potable water resources by optimizing the use of reclaimed wastewater, where feasible, thus offsetting demands on the Biscayne Aquifer.

**Policy 5.4.1.** Broward County shall encourage the use of reclaimed water as an integral part of its wastewater management program, where economically, environmentally, and technically feasible.

**Policy 5.4.2.** Broward County shall encourage increased wastewater reuse from the North Regional Waste Water Treatment Plant (NRWWTP), where feasible.

**Policy 5.4.3.** Broward County shall continue public education efforts on the reuse of reclaimed water, encouraging the reuse of water of an appropriate quality level for the purpose intended.

**Objective 5.5.** Sanitary sewer facilities shall be designed, constructed, maintained and operated in a manner that protects the functions and quality of ground and surface waters, natural groundwater recharge areas and natural drainage features.

**Policy 5.5.1.** The Broward County Health Department, Florida Department of Health, shall reduce potential groundwater pollution sources by continuing to implement Chapter 34, "Water and Sewers," Article II, "Water and Sewer Connection Ordinance," Broward County Code of Ordinances.

**Policy 5.5.2.** The Broward County Public Health Department, Florida Department of Health shall continue to protect the groundwater supply from

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potential sources of contamination pursuant to Chapter 34, "Water and Sewers," Article II 2, "Water and Septic Tank Ordinance," Broward County Code of Ordinances.

**Policy 5.5.3.** Broward County shall prohibit direct wastewater effluent discharges to surface and ground waters within Zone 1 and Zone 2 of wellfield zones of influence as designated on the Wellfield Protection Maps.

**Policy 5.5.4.** Broward County shall reduce potential pollution of surface waters by encouraging all service providers, and municipalities to extend sanitary sewer service to areas accessible by live aboard moored vessels and encourage utilization of the sanitary sewers by vessel occupants.

**Policy 5.5.5.** Broward County shall continue to protect ground and surface waters from pollution through licensing of collection and transmission systems.

**Policy 5.5.6.** Broward County shall maintain delegation of domestic waste water collection facilities permitting program from the Florida Department of Environmental Protection.

**Objective 5.6.** Provide the customers and large users of WWS a cost effective, equitable and adequate sanitary sewer system meeting all applicable federal, state, and local standards; and provide the residents of unincorporated Broward County a cost-effective, equitable and adequate sanitary sewer system meeting all applicable federal, state, and local standards.

**Policy 5.6.1.** Broward County WWS shall endeavor to provide service to unincorporated areas contiguous to the service area when service is not anticipated to be provided by others.

**Policy 5.6.2.** Consistent with bonding requirements, Broward County will take no action by which the rights and benefits of its customers might be impaired or diminished.

### Post Adoption Revisions

1. This Element was amended pursuant to a Stipulated Settlement Agreement with the Florida Department of Community Affairs through Ordinance Number 2000-07 adopted on February 1, 2000.
2. This Element was amended in Cycle 2001-1 through Ordinance Numbers 2001-25 and 26, adopted on June 26, 2001.

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3. This Element was amended in Cycle 2006-2 through Ordinance No. 2006-65 adopted on December 12, 2006.
  
4. This Element was amended in Cycle 2008-1 through Ordinance No. 2008-34 adopted on June 24, 2008.

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