

Summary of UV Disinfection in Florida

Treatment Facility	County	DEP Distr.	Disinf. Level	WWTP Capacity (mgd)	Backup System	Discharge to	Notes
Arbennie Pritchett Water Reclamation Facility	Okaloosa	NW	Basic & High	10.0	No	RIB's & reuse	Basic disinfection to rapid infiltration basins; 2.0 mgd high-level disinfection system uses sodium hypochlorite for Part III public access reuse.
Atlantic Dry Dock	Duval	NE	Basic	0.06	Yes	Surface water	Chorine is the backup.
Auburndale - Allred	Polk	SW	Basic	1.4	No	Surface water & citrus irrigation	Aquionics, closed channel, horizontal lamps, began operation in 1993.
Auburndale - Westside	Polk	SW	Basic	1.6	Yes	Reuse	Aquionics, closed channel, horizontal lamps.
Baldwin	Duval	NE	Basic	0.4	Yes	Surface water	Wedeco system, vertical lamps, began operation in 1990. Chlorine is the backup.
Bay County Regional	Bay	NW	Inter. & High	7.0 & 1.0	No	Surface water & reuse	Part III public access reuse uses sodium hypochlorite after UV for high-level disinfection. Operation began in 1999.
Blountstown	Calhoun	NW	Basic	1.5	No	Surface water	Began operation in 1999.
City of Hawthorne	Alachua	NE	Basic	0.15	Yes	Rapid infiltration basins	Chlorine is the backup.
City of Lynn Haven	Bay	NW	Inter. & High	2.5	Yes	Surface water & reuse	Began operation in 1999 Backup is sodium hypochlorite. UV is dual train with 2 separate modules per train. Part III public access reuse uses sodium hypochlorite after UV.
Daytona - Westside	Volusia	Central	High	15.0	Yes	Surface water & reuse	
Daytona Beach - Bethune Point	Volusia	Central	High	13.0	No	Surface water & reuse	Trojan, open channel, medium pressure system began operation in 1999.
ECUA - Bayou Marcus	Escambia	NW	Basic	8.2	No	Wetlands	Began operation in 1998. UV is dual train with 3 separate modules per train.

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ECUA - Main Street	Escambia	NW	Basic	20	Yes	Surface water	Began operation June 2000. UV is dual train with 2 separate modules per train Permitted to shut down and connect to new Water Reuse Facility using sodium hypochlorite by Dec 2010.
ECUA - Pensacola Beach	Escambia	NW	Inter.	2.4	No	Surface water	Permitted to convert to sodium hypochlorite by July 2010.
Flamingo (Everglades National Park)	Monroe	SE	Basic	0.09	Yes	Perc Pond	Began operation in 2005.
Hastings	St. Johns	NE	Basic	0.12	Yes	Surface water	Infilco Degremont, open channel, vertical lamps, began operation in 1992. Due to problems w/ UV system, chlorine is primary disinfection method.
Hillsborough Co. - Falkenburg	Hillsborough	SW	High	12	Yes	Surface water & reuse	Part III, public access reuse.
Hillsborough Co. - Northwest	Hillsborough	SW	High	10	Yes	Surface water & reuse	Part III, public access reuse.
Hillsborough Co. - Valrico	Hillsborough	SW	High	12	Yes	Surface water & reuse	Part III, public access reuse.
Homestead	Dade	SE	High	6.0	No	Rapid-rate	Began operation in 1999.
JEA - Blacks Ford	St. Johns	NE	Basic & High	3.0	No	Wetland & reuse	Part III, public access reuse.
JEA - Buckman	Duval	NE	Basic	52.0	No	Surface water	Began operation December 2000.
JEA - Jacksonville Heights	Duval	NE	Basic	2.5	No	Surface water	
JEA - Mandarin	Duval	NE	Basic	7.5	No	Surface water	Began operation in 2000.
JEA - Northeast (fka	Duval	NE	Basic	10	No	Surface	Began operation in 2001.

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District II)						water	
JEA - Royal Lakes	Duval	NE	Basic	3.25	No	Surface water	
JEA - Southwest	Duval	NE	Basic	10	No	Surface water	Began operation in 2001.
JEA - Yulee	Nassau	NE	Basic	0.5	No	Surface water	Still under construction.
Key Colony Beach	Monroe	South	Basic	0.34	Yes	Injection to Class V well	
Kissimmee - TWA/Sandhill Road	Osceola	Central	High	6.0	No	Reuse	Part III, public access reuse.
Lee Co. - Waterway Estates	Lee	South	Basic	1.5	No	Surface water & reuse	Infilco Degremont, closed channel, horizontal lamps, began operation in 1991, use chlorine for reuse system.
Monterey (United Water Florida)	Duval	NE	Basic	3.6	No	Surface water	
Nassau Regional (United Water Florida)	Nassau	NE	High	2.00	No	Reuse	Part III, public access reuse.
North Gulf Water and Sewer Cooperative WWTP	Gulf	NW	High	0.0104	No	Subsurface land application	WWTP Under construction.
Panama City - Millville	Bay	NW	Inter.	5.0	No	Surface water	Began operation in 1999.
Panama City Beach	Bay	NW	Inter. & High	10	Yes	Surface water & reuse Permitted to convert to Wetlands	Part III reuse uses sodium hypochlorite for high-level disinfection after UV. Backup is sodium hypochlorite.
Pebble Creek	Hillsborough	SW	High	0.4	No	Surface water & reuse	Infilco Degremont, closed channel, horizontal lamps, 2 units installed in 1986, added 3 rd unit in 1993, use chlorine for reuse.

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Ponte Vedra (United Water Florida)	St. Johns	NE	High	0.80	No	Surface water & reuse	Permit issued. Single channel, 9 banks in series. 140 mW-s/cm ² at peak flow.
SummerCamp WWTP	Franklin	NW	Basic	0.120	No	RIBs	New construction -not yet in use.
West Palm Beach ECR	Palm Beach	SE	High	10.0	No	Wetland	Wellfield downstream of wetland used to supplement tributary to Class 1 waters.