

# Reclaimed Water Quality

## Lee County Utilities

Customers of Lee County Utilities (LCU) rely on quality-reclaimed water, suitable for landscape irrigation. Reclaimed water is treated through advanced technical processes designed by engineers and operated by highly skilled and licensed County staff.



Figure 1: Fiesta Village / Fort Myers Beach Interconnect

Reclaimed water is then tested using certified laboratory techniques. The utilization of the County's reclaimed water for irrigation meets all regulatory standards required by the Florida Department of Environmental Protection. Lee County's reclaimed water program is an important component in the conservation of groundwater needed to sustain your drinking water supply for future years.

## *2021 Annual Report*

This annual report provides specific information on the quality of reclaimed water supplied to LCU customers. This annual reclaimed water quality report is required by the Florida Department of Environmental Protection. The purpose of this report is to explain the origin, nature, and characteristics of the reclaimed water supplied to your facility.

### **Area Served By LCU Water Reclamation Facilities (WRF)**

**Fort Myers Beach WRF:** Estero Island/Ft. Myers Beach and the Iona McGregor area, from the Sanibel causeway, east to Bass Road

**Fiesta Village WRF:** South Ft. Myers, east of Bass Road and west of U.S. 41 from College Parkway south to Estero Bay

**Three Oaks WRF:** South Ft. Myers/Estero, south of Alico Road and North of Williams Road from Estero Bay, east to Ben Hill Griffin Parkway, excluding San Carlos Park

**Gateway WRF:** All of the Gateway development in East Ft. Myers

**Pine Island WRF:** Stringfellow Road between Pine Island Center and St. James City

# Reclaimed Water Quality Analysis for 2021

Parameter	Water Reclamation Facility				
	FMB *	FV *	GW	PI *	TO *
Chloride (mg/L)	200	166	108	264	155
Nitrate (mg/L as Nitrogen)	3.03	0.07	2.1	6.73	5.31
pH (Standard Units) (Min.)	6.0	6.5	6.5	6.3	6.0
pH (Standard Units) (Max.)	7.8	7.6	8.2	8.0	8.2
Phosphorus (mg/L)	3.17	0.091	Not Tested	5.89	1.66

\* Chloride and Nitrate results from 2020 sampling.

Key: FMB: Fort Myers Beach WRF, FV: Fiesta Village WRF, GW: Gateway WRF, PI: Pine Island WRF, TO: Three Oaks WRF

## Glossary of Terms

<b>Chloride</b>	Naturally occurring salt content present in all water types.
<b>Milligrams per Liter (mg/L)</b>	The quantity of material present in wastewater expressed on the basis of the weight (milligrams) per unit volume of solution (liter).
<b>Nitrate (as Nitrogen)</b>	A nutrient that stimulates plant growth and is associated with lush, dark green leaves. Often used as a fertilizer.
<b>pH</b>	A measure of the acidity or alkalinity, with 7 as the neutral value.
<b>Phosphorus</b>	Promotes healthy root development and aids in plant establishment.

### FOR MORE INFORMATION REGARDING LCU's

#### RECLAIMED WATER PROGRAM

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### BENEFITS OF USING RECLAIMED WATER:

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- **Reduces** the demand on potable water sources, ensuring sustainability of water resources
- **Recycles** water and decreases discharge to the Caloosahatchee River
- **Beautifies** the community by enhancing the appearance of landscaping
- **Enhances** property values and marketability

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