# Key Largo Wastewater Treatment District
# Board of Commissioners Meeting
# Agenda Item Summary

Meeting Date:
December 6, 2022

Agenda Item Number: N-1

Action Required:
No

Department:
Plant/Facilities

Sponsor:
Ryan Dempsey

Subject:
**Plant/Facilities Report - October 2022**

Summary:

Mr. Dempsey will present the Plant/Facilities monthly report.

| Reviewed / Approved | | Financial Impact | Attachments |
|---|---|---|---|
| Operations: | _____ | $ | 1. Monthly Report |
| Administration: | _____ | | |
| Finance: | _____ | Funding Source: | |
| District Counsel: | _____ | N/A | |
| District Clerk: | _____ | Budgeted: | |
| Engineering: | _____ | N/A | |

**Approved By:** _____ **Date:** 12-1-22
General Manager

# Wastewater Treatment Plant Operations

The wastewater treatment plant processed an average of 2.00 million gallons of influent per day (MGD). The Treatment Plant remains in compliance with the Florida Department of Environmental Protection (FDEP) guidelines.

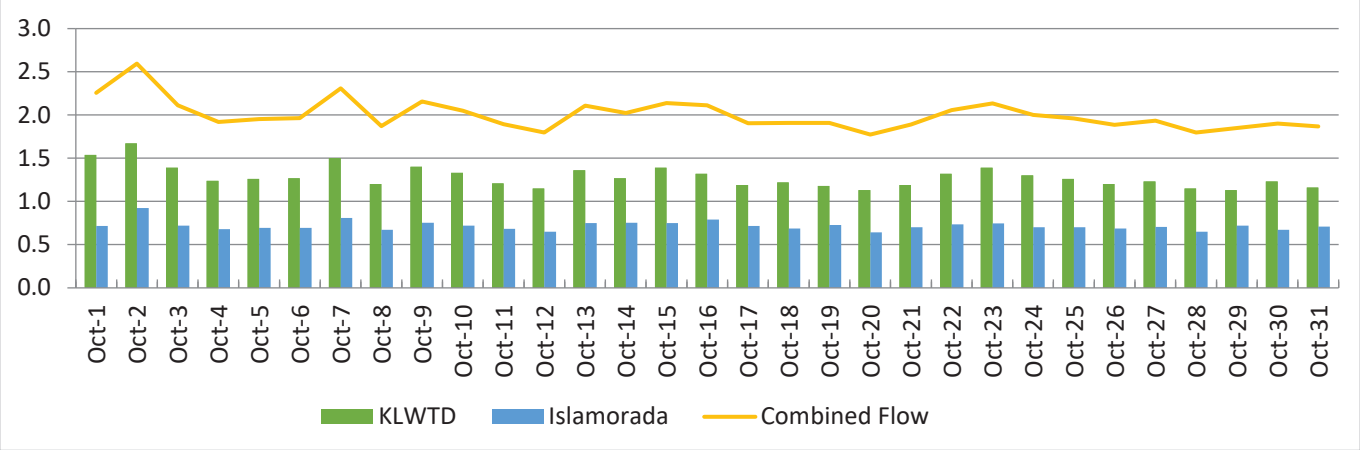
## Effluent Quality Reports (mg/L)

Determines the quality of discharge from the wastewater treatment plant.

| Effluent Quality Report | October 2022 Plant Performance | 12 Month Average Plant Performance |
|---|---|---|
| CBOD5 (Carbonaceous Biochemical Oxygen Demand) | 1 | 1.64 |
| TSS (Total Suspended Solids) | 1.6 | 0.94 |
| TN (Total Nitrogen) | 2.22 | 2.68 |
| TP (Total Phosphorous) | .45 | 0.72 |

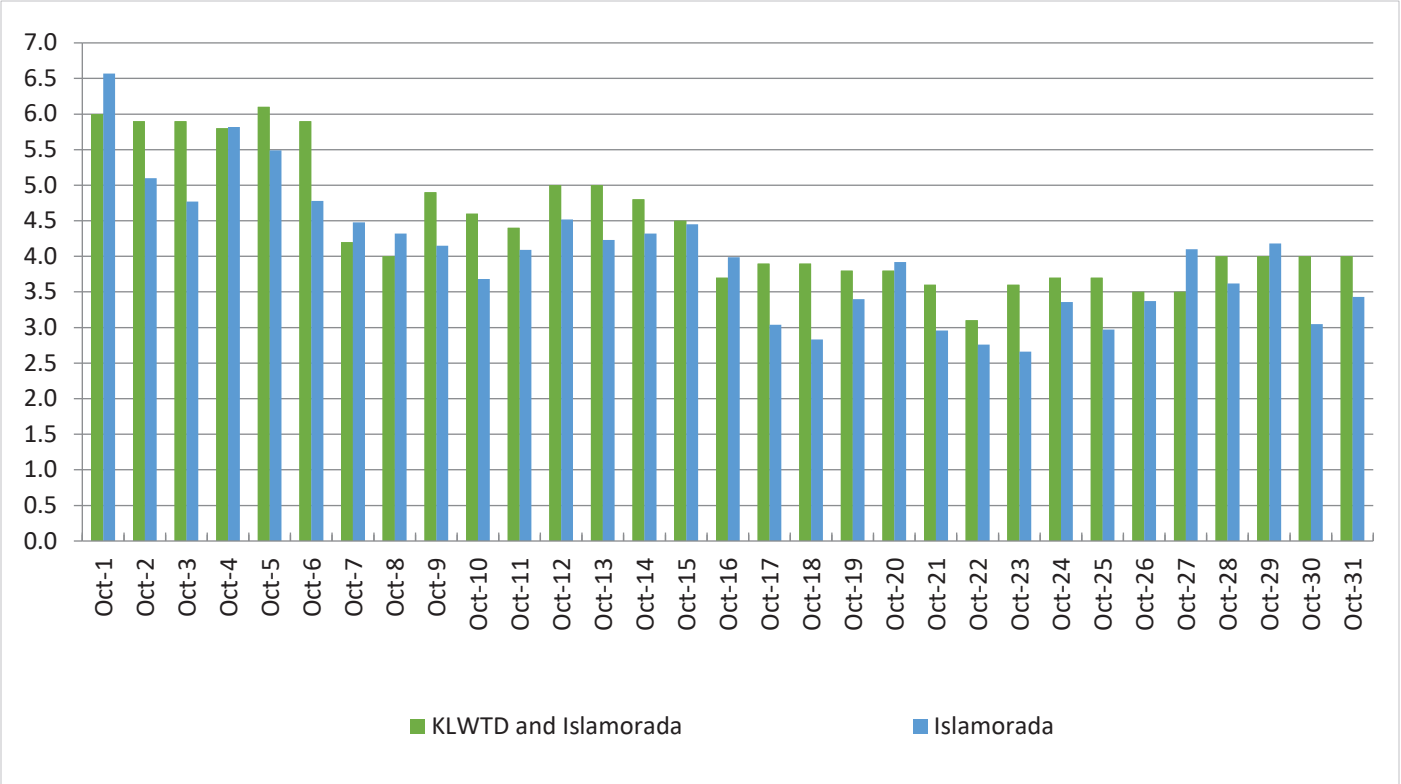
## Daily Flow (MGD)

The total flow of influent through the wastewater treatment plant each day.



## Daily Peak Salinity (PPT)

The daily peak salinity for the current month.




# Islamorada

Average Daily Flow: .718 MGD
Highest Daily Flow: .925 MGD
Monthly Peak Salinity: 6.57 PPT
Days over 4.0 PPT Salinity: 16