

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

Meeting Date:
December 17, 2024

Agenda Item Number: L-1

Action Required:
No

Department: Plant/Facilities Sponsor: Ryan Dempsey

Subject:
Plant/Facilities Report - October 2024

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

Reviewed / Approved

Financial Impact

Attachments

Operations: _____
Administration: _____
Finance: _____
District Counsel: _____
District Clerk: _____
Engineering: _____

\$

Funding Source:
N/A

Budgeted:
N/A

1. Monthly Report

Approved By:  Date: 12/11/2024
General Manager

Wastewater Treatment Plant Operations

The wastewater treatment plant processed an average of 2.0 million gallons of influent per day (MGD). The Treatment Plant remains in compliance with the Florida Department of Environmental Protection (FDEP) guidelines.

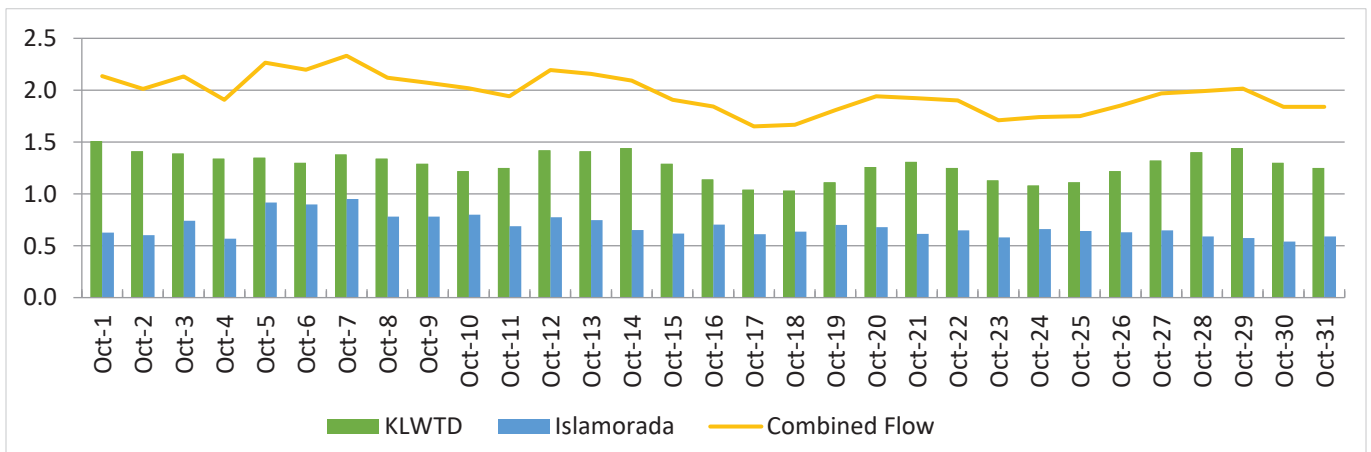
Effluent Quality Reports (mg/L)

Determines the quality of discharge from the wastewater treatment plant.

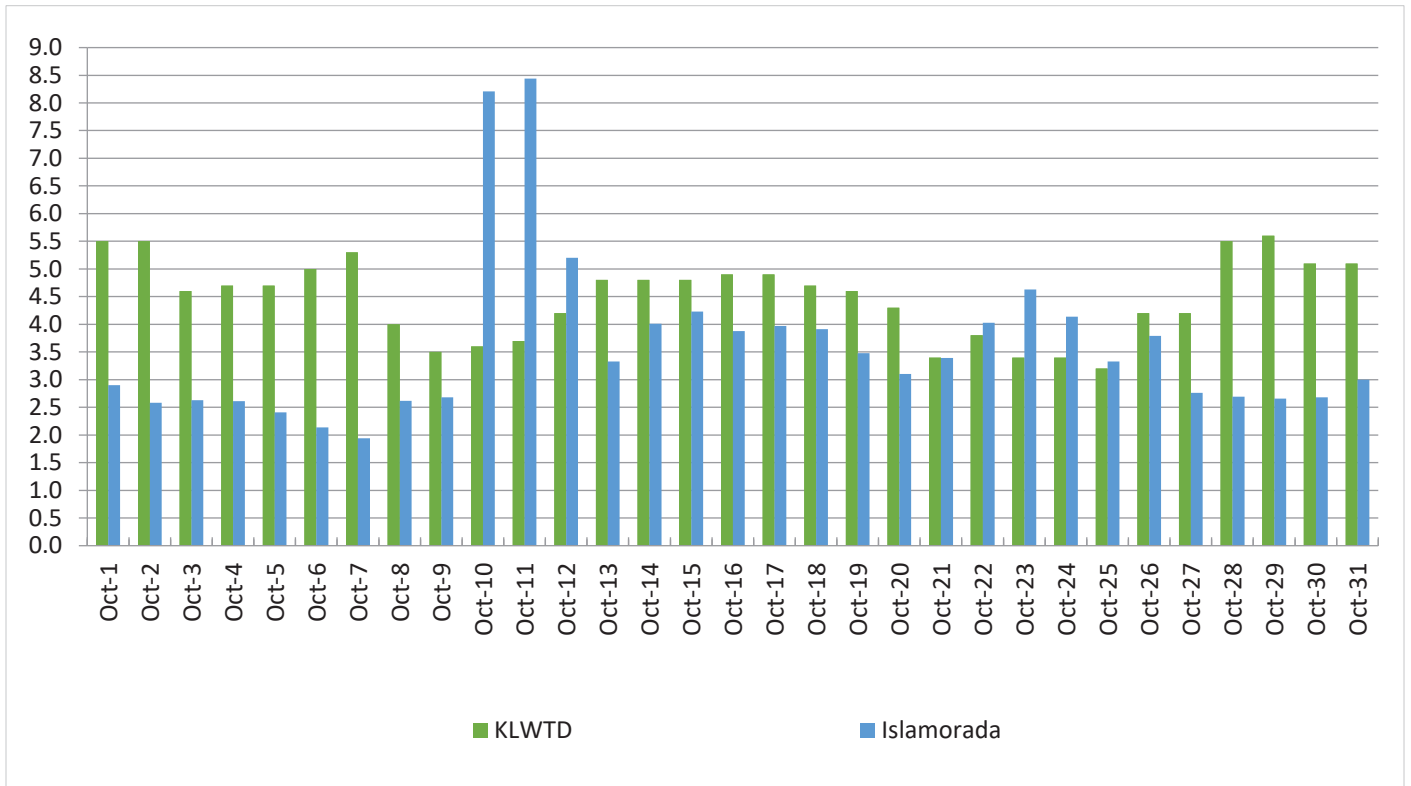
Effluent Quality Report	October 2024 Plant Performance	12 Month Average Plant Performance	Effluent Limits
CBOD5 (Carbonaceous Biochemical Oxygen Demand)	1	1.7	5
TSS (Total Suspended Solids)	1.5	1.3	5
TN (Total Nitrogen)	2	2.2	Report only
TP (Total Phosphorous)	.5	.7	Report only

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: .683 MGD
 Highest Daily Flow: .952 MGD
 Monthly Peak Salinity: 8.4 PPT
 Days over 4.0 PPT Salinity: 8
 3-month average of Islamorada flow capacity (1.104 MGD): 65%