

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

Meeting Date:

October 20, 2026

Agenda Item Number: L-1

Action Required:

No

Department:

Plant/Facilities

Sponsor:

Ryan Dempsey

Subject:

Plant/Facilities Report - August & September 2026

Summary:

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

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: _____

General Manager

Date: _____

10-15-26

Wastewater Treatment Plant Operations

The wastewater treatment plant processed an average of 1.93 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)

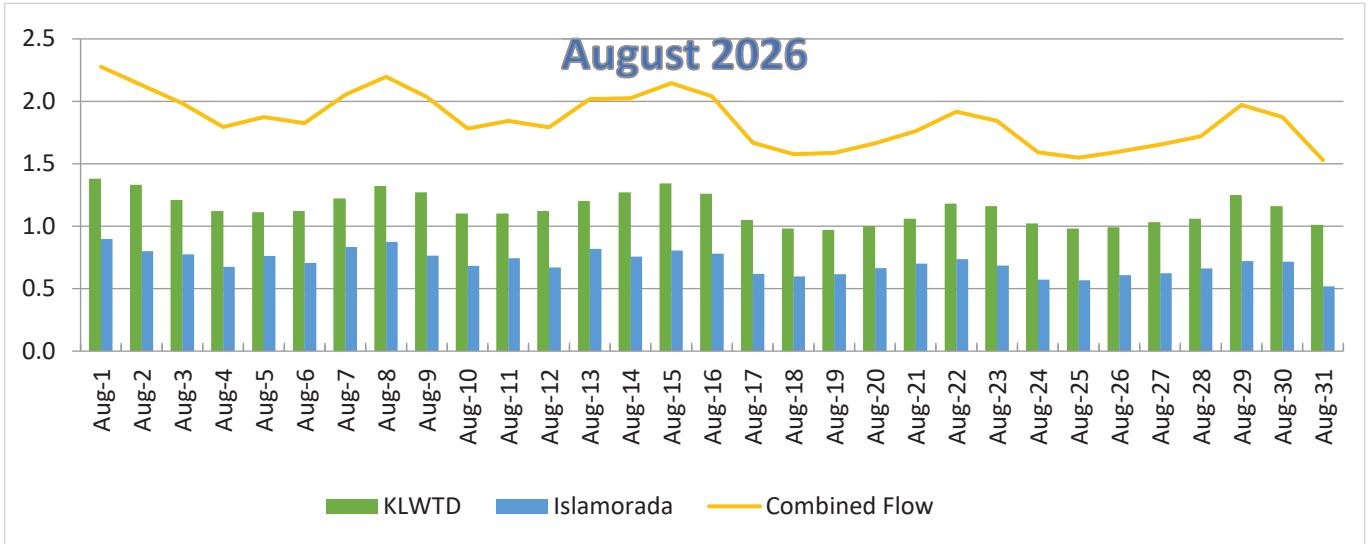
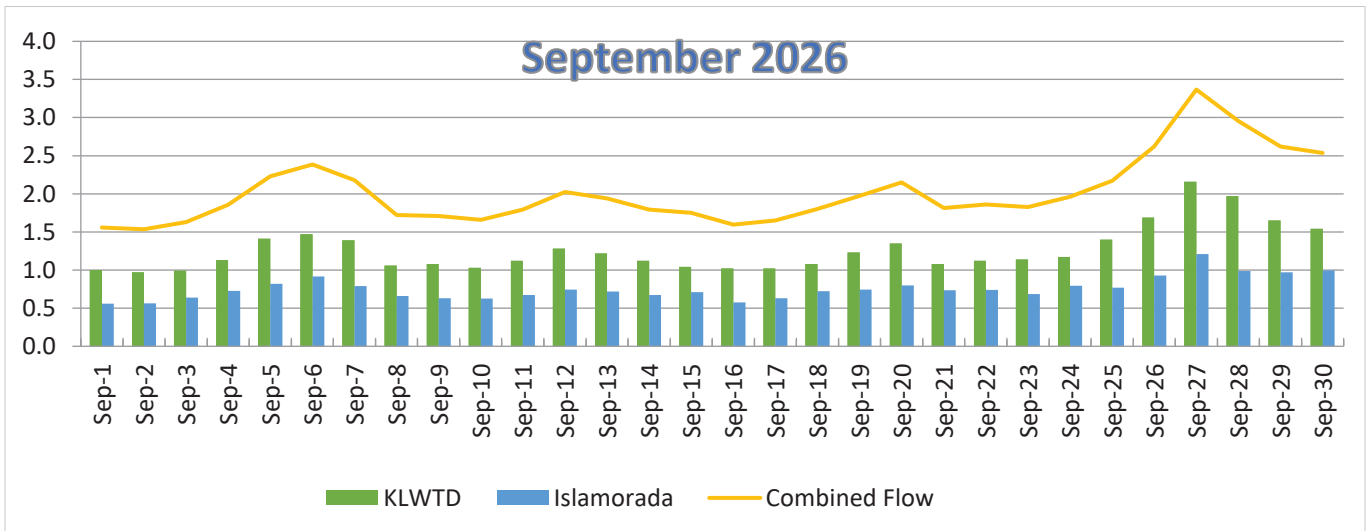
Determines the quality of discharge from the wastewater treatment plant.

Effluent Quality Report	August 2026 Plant Performance	September 2026 Plant Performance	12 Month Average Plant Performance	Effluent Limits
CBOD5 (Carbonaceous Biochemical Oxygen Demand)	1	1	1.7	5
TSS (Total Suspended Solids)	1	1.3	1.2	5
TN (Total Nitrogen)	3.4	2.6	3.9	Report only
TP (Total Phosphorous)	1.2	.6	.8	Report only

Daily Flow (MGD)

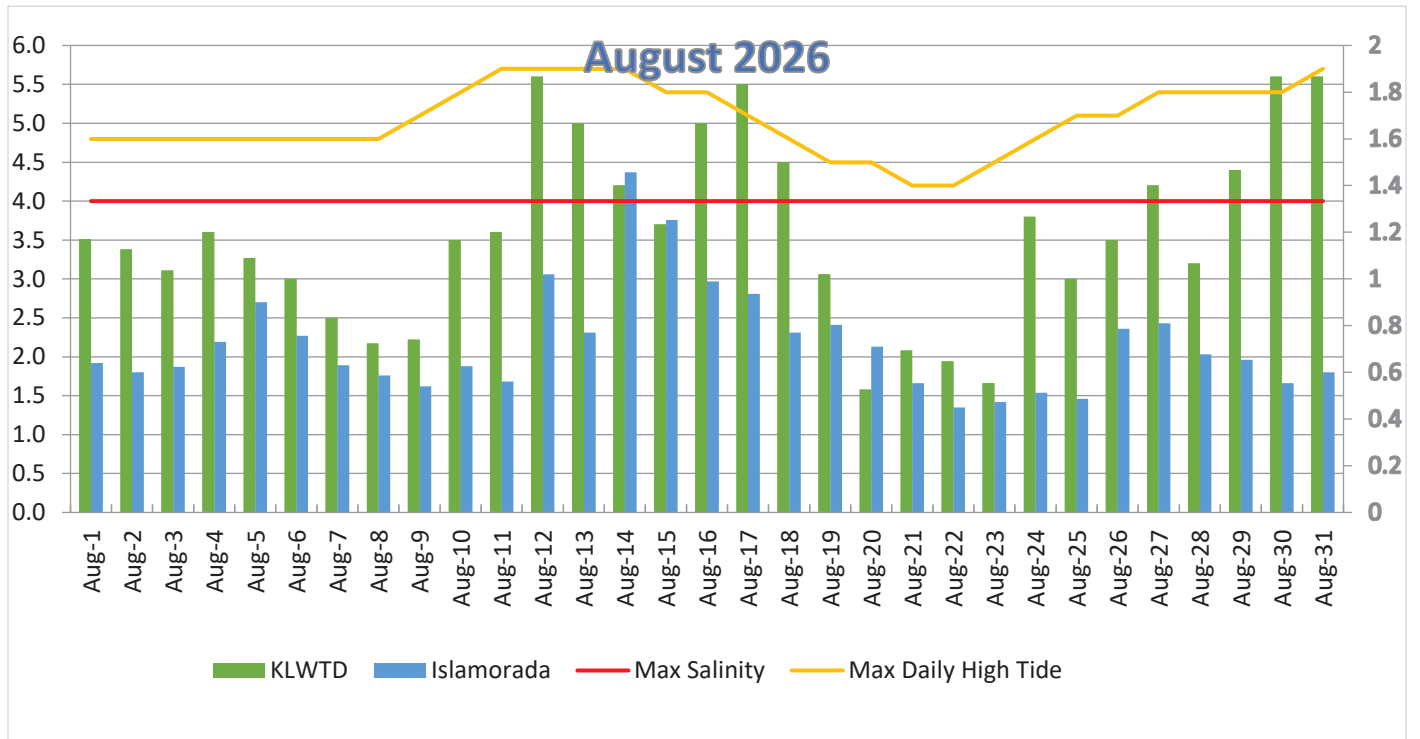
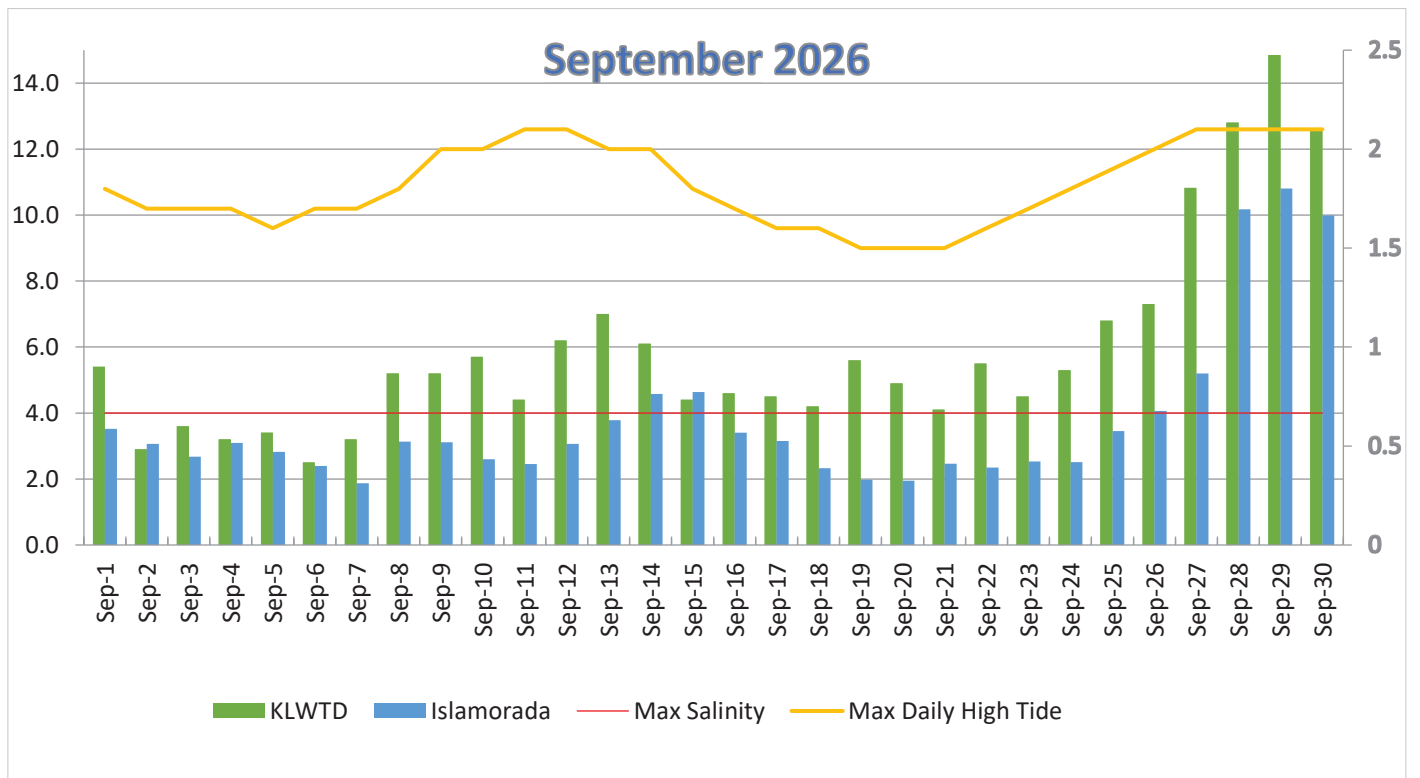
The total flow of influent through the wastewater treatment plant each day.

August 2026



Daily Peak Salinity (PPT)

The daily peak salinity for the month.



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Average Daily Flow

August: .708 MGD

September: .757 MGD

Highest Daily Flow

August: .897 MGD

September: 1.208 MGD

Monthly Peak Salinity

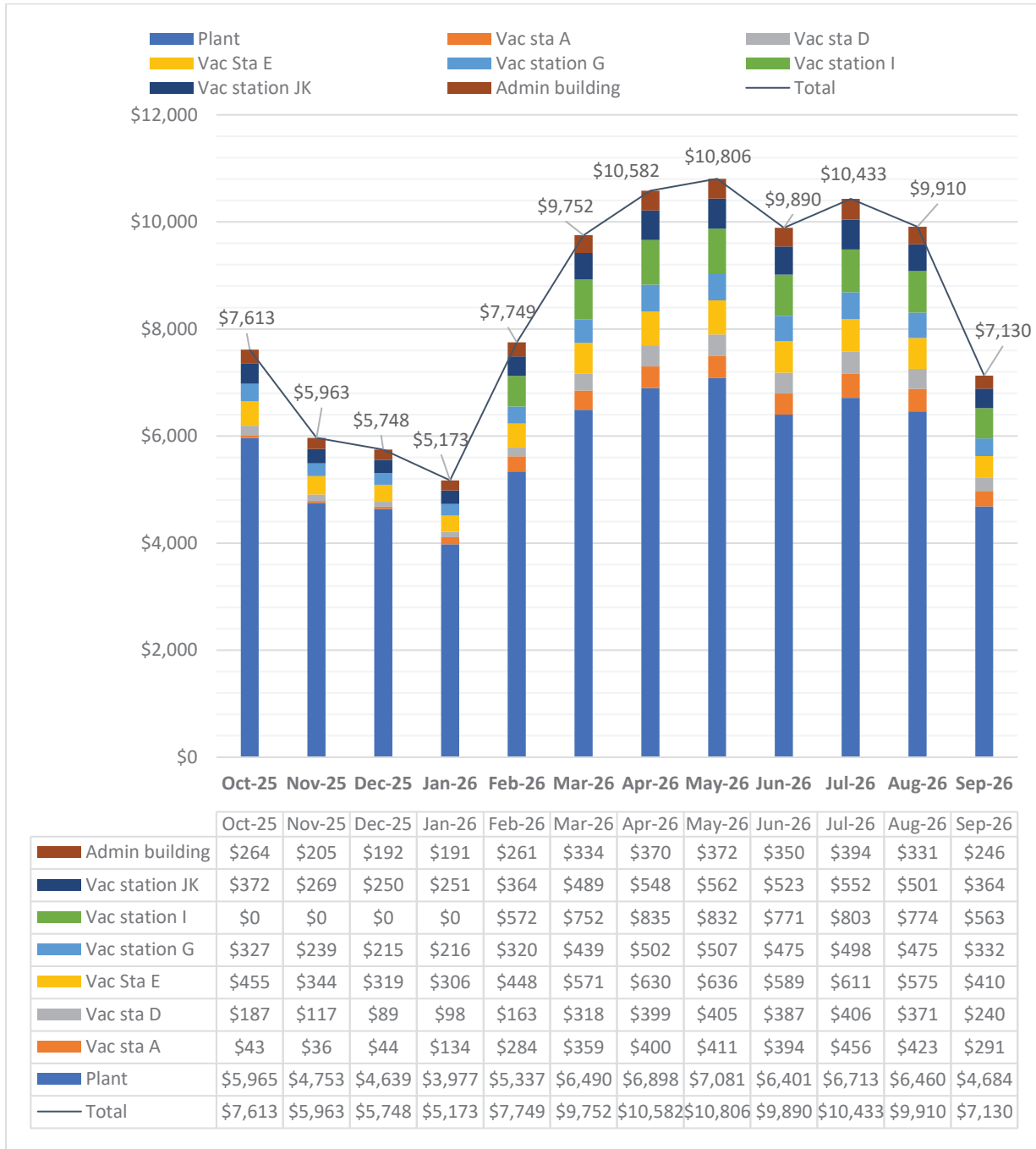
August: 4.37 PPT

September: 10.81 PPT

Days over 4.0 PPT Salinity August-September: 8

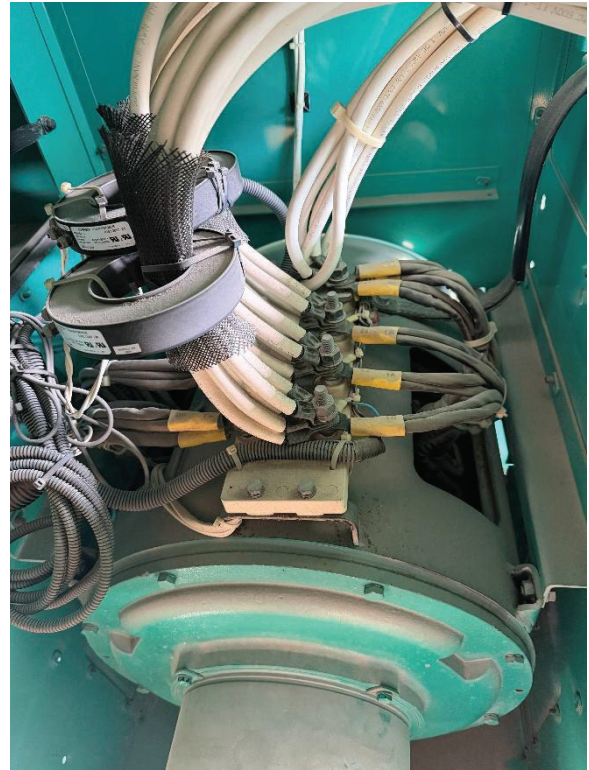
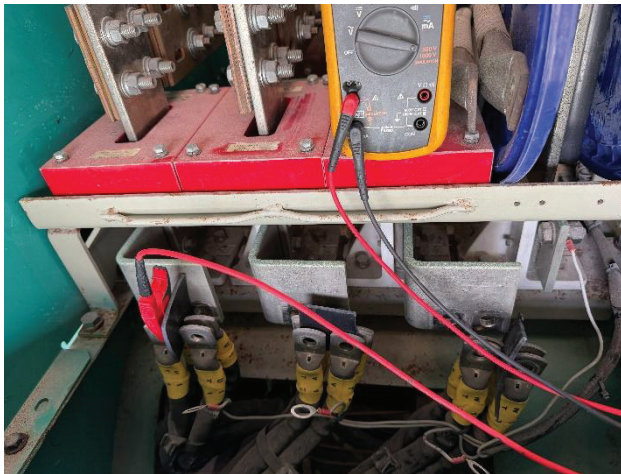
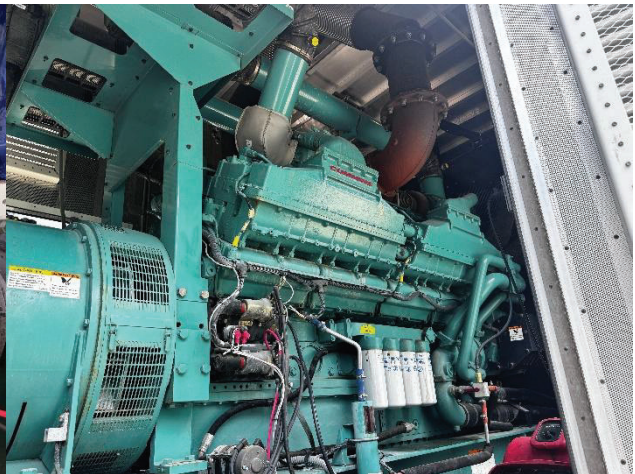
3-month average of ILA flow capacity (1.104 MGD): 70%

Solar Production Report



12 month production estimate for all sites: \$100,749

Generator polarization index and insulation testing



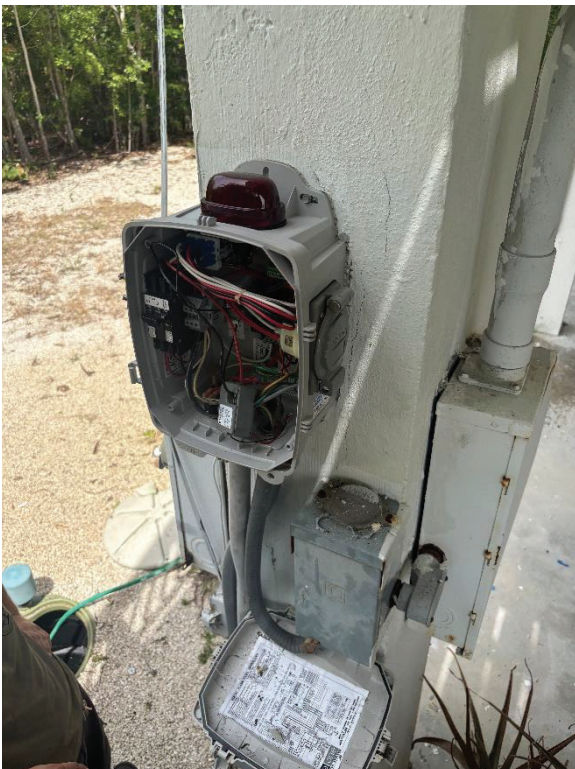
Deep injection well valve gearbox repair



SBR mixer cable grip replacement



Grinder pump control panel replacement



SBR blower repair

