

# Quarterly Progress Report

## January - March 2024



# 1.31 BILLION GALLONS

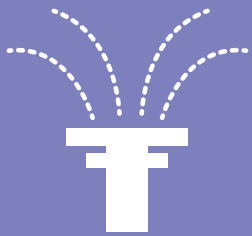


Drinking Water Produced and Treated

# 8,629



Water Quality Tests



# 177 MILLION GALLONS

Reclaimed Water for Irrigation

### Maintenance

Asset Management

# 2,234

Preventive Projects

# 408

Corrective Projects

### Water Treatment Plant

Average Daily Demand

# 14.376

Million Gallons/Day

Water Treatment Plant

# 287

Maintenance Projects

# 52

Corrective Projects

Wells/Repump

# 277

Maintenance Projects

# 28

Corrective Projects

### Water/Sewer Network

# 21

Leaks/Low Pressure Reported

# 2

Water Main Repairs

# 64

Stoppages Cleared

# 156

Work Orders Resolved

Customer Service

# 44

Utility Billing Work Orders

### Environmental Resources Compliance

# 281

Permit Reviews

# 2,080

Service Line Surveys

# 1,613

New Backflows Tested

# 0

Spills

# 0

Scheduled Boil Water Notices

### Laboratory

Water Analysis

# 8,574

In-House Tests Completed

# 8,629

Total Tests Completed

### Engineering Division

Technical Advisory Committee

# 30

Project Reviews



# Water Treatment Plant

**Activities**

- Cleaned and organized the chemical rooms (lime, ammonia, and CO2), Owens Baker Pump Station and Miller Park Pump Station.
- Put both thickeners back in operation and began the dredging of the lagoon to begin cleaning the recovery basin
- Worked on dialing in the polymer dosing and pH to improve treatment quality
- Flow meters were calibrated to improve accuracy in water usage tracking
- Lime room pumps rehabbed to improve treatment and pH consistency
- Cleaned and restored aeration towers to improve water treatment process



Inspecting the lime slakers



Clearing drain lines



Rehabbing the lime slurry pumps



Installing and testing sludge pumps

# Water / Sewer Network

**Activities**

- The Utilities Wastewater Collection Team cleared 64 stoppages and resolved 156 customer work orders
- The Utilities Customer Service Team processed 2148 calls and resolved 44 UTB work orders
- The Utilities Water Distribution Team replaced 4 fire hydrants, repaired 5 hydrants, and exercised 73 system valves



Sherwood Blvd. Hydrant Replacement



2115 S Ocean Blvd Leak Repair



S. Swinton Ave. Service Line Replacement



3578 Commodore Circle Hydrant Replacement



# Maintenance

## Activities

- Completed production wells flushing port project
- Restored raw water well (RWW) 27 to service
- Rehabilitated lift station (LS) 93A and 57B
- Put new LS 35C in operation
- Began emergency repairs at LS 51 and LS 11
- Installed new pump at RWW 6
- Installed new baffles in Water Plant filter press building
- Repaired and replaced antennas on 4 EMI gateways
- Replaced control panel in LS 51
- Replaced East air compressor in Water Treatment Plant pump room
- Continued secondary raw water well injections



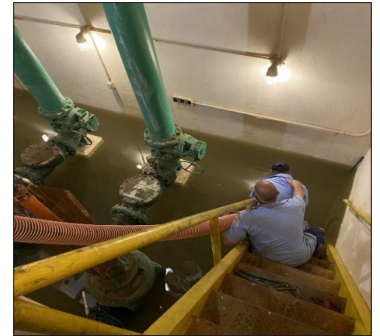
Lift Station 51 repairs



RWW 6 pump replacement



Lift Station 93A rehab



Lift station 11 emergency repairs

# Laboratory

## Water Treatment Plant Finished Water Quality

Tests	Target	Ave	
pH	8.2-9.0 units	8.4	✓
Alk	>40 ppm	60	✓
Ca Hard	>31 ppm	84.3	✓
Turb	0-1.0 NTU	.22	✓
Color	0-15 units	13	✓
Cond	---	371	
Fe	0-0.1 ppm	0.08	✓
NH <sub>3</sub> -N free	<0.15 ppm	---	✓
F	0.5-0.7 ppm	<0.05	✓
Cl <sub>2</sub>	0.6-4.5 ppm	4.7	✓
O-PO <sub>4</sub>	>0.20	0.28	✓

✓ Results within acceptable range

## Activities

- Continued hiring search for Quality Assurance Analyst
- Continued staff training for new ion chromatography
- Final review by Purchasing and Legal for new LIMS
- DOCs and MDLs
- Bromide method development
- Continued proficiency testing
- Replaced old-style sample stations

## Distribution System Water Quality

Tests	Target	Ave	Min	Max	Count	
Residual Chlorine	0.6-4 ppm	3.6	0.7	4.8	NA	✓
T. Coliform	<= 4 counts	2.16%	0	5	6	✓
O-PO <sub>4</sub>	>0.20 min	0.28	0.123	0.38	NA	✓



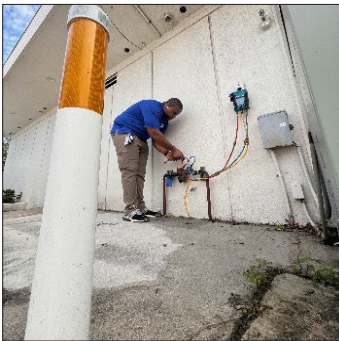
# Environmental Resources Compliance



Locating dual check on water meter



Monitoring contractor installation of 8" backflow prevention device assembly



Exercising test cocks on a reduced-pressure backflow assembly



Inspecting pipe composition

## Activities

### Cross-Connection Control:

- 77 reclaimed cross-connection inspection
- 0 accounts sent to Code Enforcement for failure to install backflow preventer
- 23 Utility Department backflows tested
- 2 master irrigation community water audits

### Utilities:

- Ongoing service line survey project 99% complete
- Completed 281 development plan permit reviews
- 16 storage tanks inspected through Environmental Resources Management (ERM) tank audit
- Certified all our underground tanks, by Down Under Tanks.

# Engineering Division

## Activities

- New water treatment plant kick-off meeting with CDM and Hazen and Sawyer
- Review phase 2 NW Neighborhood Improvements plans 60% submittal
- Review Phase 1 Tropic Isles plans 90% submittal
- Site visits and meetings with developer projects owners, EOR, contractor for pre-construction meetings
- Site visits with CDM for the new water treatment plant wells assessments
- Shop drawing reviews (on-going)
- Reviewing and compiling notes on City's Minimum Construction Standards (on-going)
- Electronic plan review coordination
- Work Authorizations (WA)
  - Hazen and Sawyer WA #2 for the new water treatment plant owner representative

