



**Information Provided By**

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**Operations and Maintenance Report  
 September 2024**

**Operations Department**

**Wastewater Treatment Division**

Influent Totals	
Total	2.87
Average	0.10
High	0.17
Low	0.05

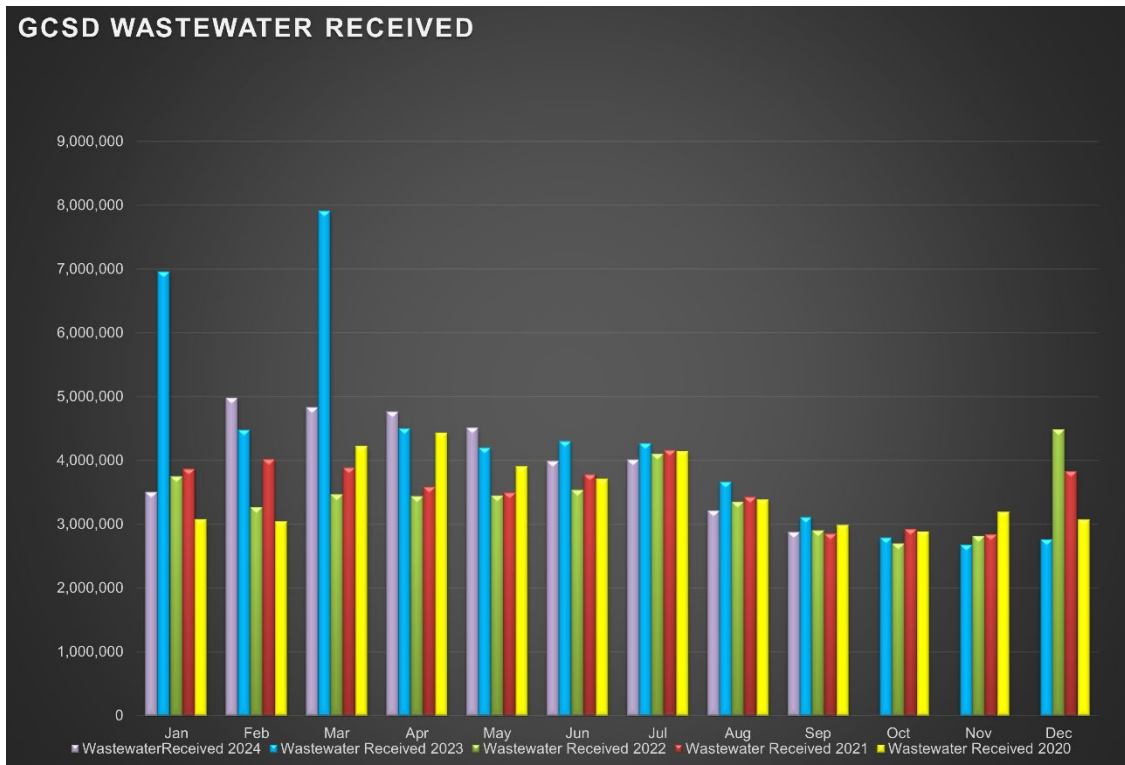
Effluent Totals	
Total	2.86
Average	0.10
High	0.17
Low	0.05

Reclamation Totals	
PML	
Spray Fields	
PML Season Total	
Spray Field Season Total	

Wasting Totals	
Total Inches	77
Total Pounds	773
Active Accounts	1572

STP Rainfall Totals by Year During Current Month (Inches)					
Season	2024	2023	2022	2021	2020
0.00	0.00	0.30	1.87	0.02	0.03
	High 0.00	High 0.25	High 1.31	High 0.02	High 0.03

**Charted Historical Monthly Influent Totals**



## **Wastewater Treatment Division**

### **Routine Tasks**

- Took weekly Bac-Ts and BOD of the Chlorine Contact Chamber (CCC) and sent into Alpha Lab for testing.
- Completed monthly Wastewater Report and sent to the State Water Resources Control Board
- Completed daily rounds and Lab.

## **Water Treatment Division**

### **Routine Tasks**

- Submitted monthly Water Treatment Report to State Water Resources Control Board
- Submitted monthly Conservation Report to State Water Boards
- Performed weekly checks and calibrations on all analyzers at 2G, BC, and AWS
- Performed monthly UV calibrations at 2G and BC.
- Took weekly Treatment Plant samples and sent them into Alpha Lab
- Monitored/sampled Distribution Tanks as needed.

# Maintenance Department

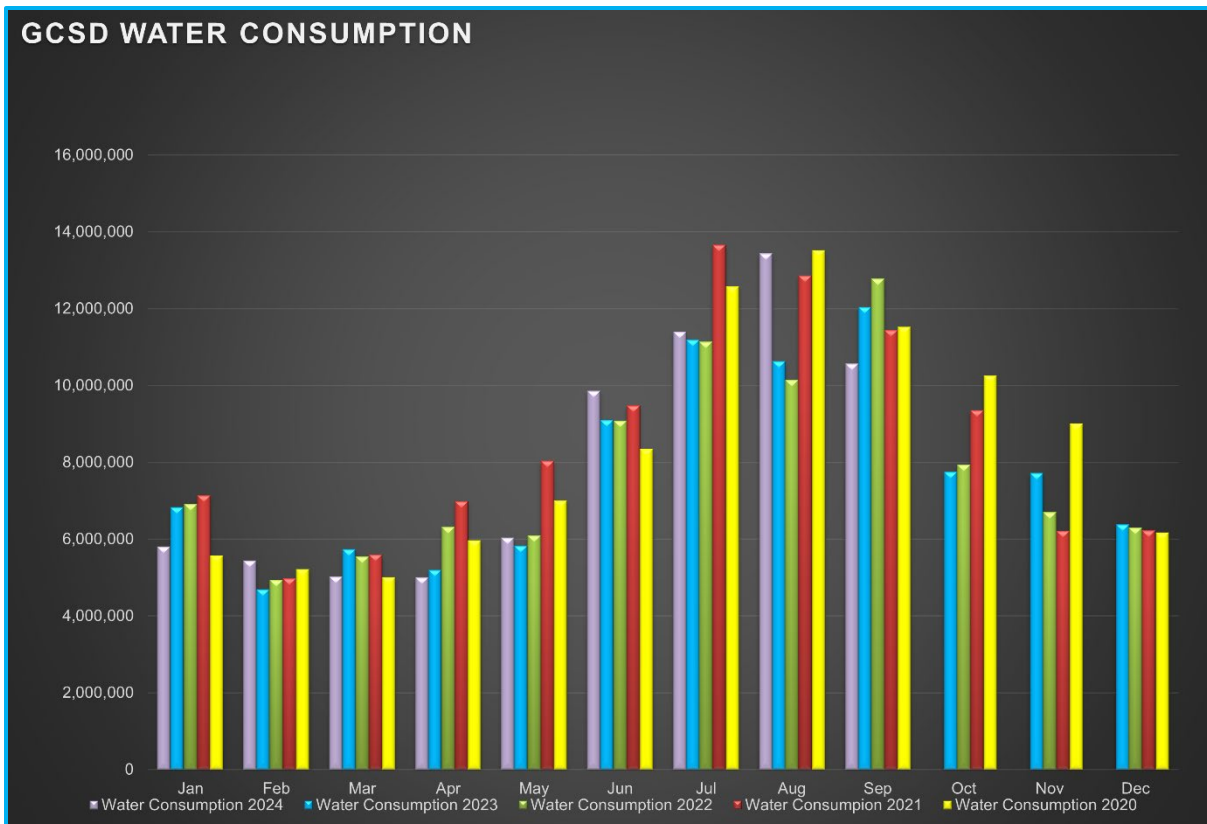
## Water Distribution System Division

Meter Related Services	Total
Check / Repair Meters	6
Water Meters Installed	1
Monthly Meter Restrictions	0
Meter Lock offs	8
Meter Changeouts	0
Tenant Final Reads	1
Re-Reads	22
Meter Turn-Offs	2
Meter Turn-Ons	6
Meter Tests	0
Winterize Meter	0
Color/Taste/Odor/PSI Complaints	3
<b>Total Meter Related Issues</b>	<b>36</b>

Billed Consumption (Gallons)	2024	2023	2022
Residential	9,975,088	11,154,223	11,891,479
Commercial	591,499	880,958	885,484
<b>Total</b>	<b>10,566,587</b>	<b>12,035,181</b>	<b>12,776,963</b>

<b>Active Accounts</b>	3273
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## Charted Historical Monthly Water Consumption



**Maintenance and Repair Data**

Description	Total
Water Main Leaks / Repairs	1
Water Service Line Leaks / Repairs	2
Fire Hydrant Repairs / Replacements	1
Number of Hydrants Flushed	8
Number of Dead-Ends Flushed	11
Water Valves Exercised	6
GIS Points	0

Description	Gallons
Flushing for Water Quality	27,120
Water Loss Due to Leaks / Breaks	112,200

After-Hours Calls (Hours)				
Water	Sewer	Park	Other	Total
8	27	1	0	36

**Maintenance and Repair**

- **Routine Tasks**
  - Read all District Water Meters
  - Customer Service Calls (Low / High Pressures, No Water, Turn-Ons / Turn-Offs, Etc.)
  - Underground Service Alert (USA) Utility Marking Program
  - Weekly Pump Station Inspections at Tank 2, Tank 4, Tank 5 (Buildings, Tanks, Motors, Pumps, Drives, Communications, Generators, and Auxiliary Equipment)
  - Lock offs for non-payment.
  - Unusual Usage meter reads.
  
- **Tanks and Pump Stations**
  - Remove generator from AWS for transport to Industrial Electric for repairs.
  
- **Distribution System**
  - Continue water service line survey to identify Lead and Copper water service lines.
  - Fire Hydrant Replacement on Ridgecrest Dr.
  - Water service line abandonment on Ridgecrest Dr.
  - ARV (Air relief Valve) repair on Beck Rd.
  - Water service line repair 20798 Nonpareil Way.
  - Water service line repair at 20717 Nonpareil Way.
  - Reprogram and test ERT's U3/L237 and U1/L420.
  - Fire flow reports for Tenaya Elementary School.

Pictures



## Wastewater Collection System Division

Description	Total
Manholes Inspected	86
GIS Points	0
Customer Complaint	2
Odor Complaints	0

Description	Total
Flushing/Jetting (Feet)	110
Video Inspection (Feet)	95

Description	Total
Sanitary Sewer Spills (SSO)	0
SSO Gallons Spilled	0

## Maintenance and Repair

- **Routine Tasks**
  - Weekly lift station site inspections (PMCS)
  - Added degreaser and odor control to lift stations.
- **Lift Stations**
  - Cleaned and Inspected: LS1, LS2 LS3, LS4, LS8, LS10.
  - Manhole Inspections LS11.
  - Remove roots and debris found during manhole inspections.
  - Make alterations to odor control chemical dosing pumps at LS6, LS8, LS11, LS13.
  - R&R fuel filters at LS16 and primed. Seems to be an intermittent leak on the fuel system.
- **Collection System**
  - Flushed/Jetted gravity sewer line areas.
  - Groveland, Bass Pond, Twin Pines Easement monthly manhole inspections.
  - Investigated lateral backup at 11100 Big Oak Rd. to ensure it was not a district blockage.

## Pictures

## General Maintenance Division

### Maintenance By Department

- **Operations Department**

- 2G Water Treatment Plant
  - Cleaned UV lights.
- Big Creek Water Treatment Plant
  - Prepare parts for second OSG install.
  - R&R two failed sample pumps.
  - Installed new lime mixer.
  - Re-clocked and rewired turbine fan.
- Butler Bypass Pump Station
- AWS
- STP
  - Clean debris from headworks basin.
  - R&R irrigation pump filter and cleaned.
  - Vegetation maintenance.
  - Repaired wiring around plant.

- **Maintenance Department**

- Equipment
  - Shop maintenance and cleaning.
  - Monthly Inspect and run at operating temperatures...
    - Rain for Rent, Sullair, Vactron, Cement mixer, Light Tower, STP generator, Dunn Ct Generator, AWS Generator, Standby Generator, Highlands Generator.
- Vehicles
  - 42334: Lube service and tire rotation.
  - 42127: Flat repair.
  - 42128: Flat repair.
  - 51618: Lube service, tire rotation.
  - 41719: Lube service, tire rotation.
  - 41825: Flat repair.
  - 30920: Lube service and greased.
  - 31622: Inspect tires.
  - 62330: Greased fittings and retorqued hydraulic pump driveline.
  - 70981: R&R amber code 3 light.
- Buildings & Yard
  - Repaired drainpipe in bathroom at Admin building.
  - General yard cleanliness.
  - Vegetation management.

## Pictures

## Parks Division

### Maintenance and Repair

- **Mary Laveroni Community Park**
  - Landscape Maintenance.
  - Movies in the park setup.
  - Prepare ML park for 49er Festival
  - Opened new bathroom at ML Park.
  
- **Ballfield & Dog Park**
  - Mowing and bathroom maintenance
  - Repair sign (vandalism) at 37-acre parcel on Deer Flat Rd

### Contracted Work

- Njirich Construction
  - Mary Laveroni Park upgrades are continuing.
- SMCI
  - WWTP Headworks upgrades are continuing.
- Cla-Val
  - Cla- Valve servicing and repairs on pressure reducing valves and pressure relief valves.

### Workplace Safety and Training

- Routine Safety Meetings
  - Daily Tailgate Meetings
  - Weekly Safety Meetings
  - Weekly Security Checks
  - Weekly Vehicle Inspection