

## Operations and Maintenance Report November 2022

### Operations Department

### Wastewater Treatment Division

Influent Totals	
Total	2.82
High	0.09
Low	0.13
Average	0.07

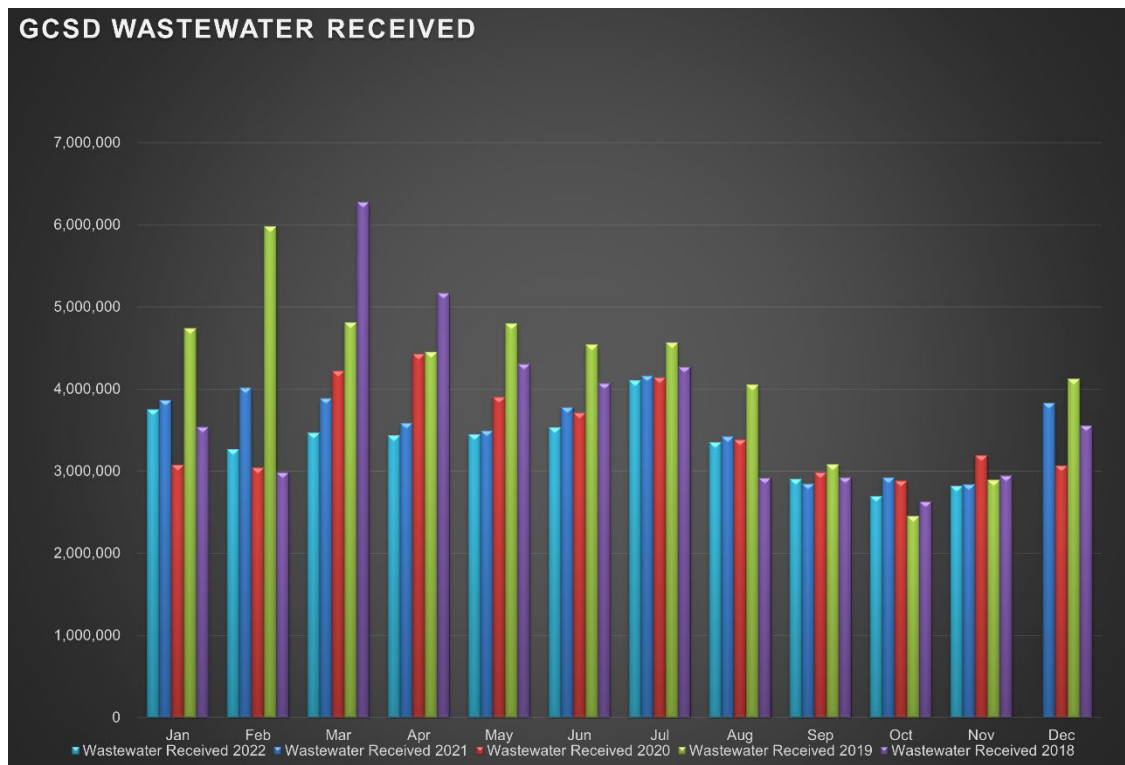
Effluent Totals	
Total	2.90
High	0.10
Low	0.14
Average	0.07

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

Wasting Totals	
Total Inches	182
Total Pounds	2969
Active Accounts	1562

STP Rainfall Totals by Year During Current Month (Inches)					
Season	2022	2021	2020	2019	2018
	5.36	3.32	0.68	2.16	6.94
High	High 1.38	High 0.57	High 0.70	High 0.81	High 2.12

### 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

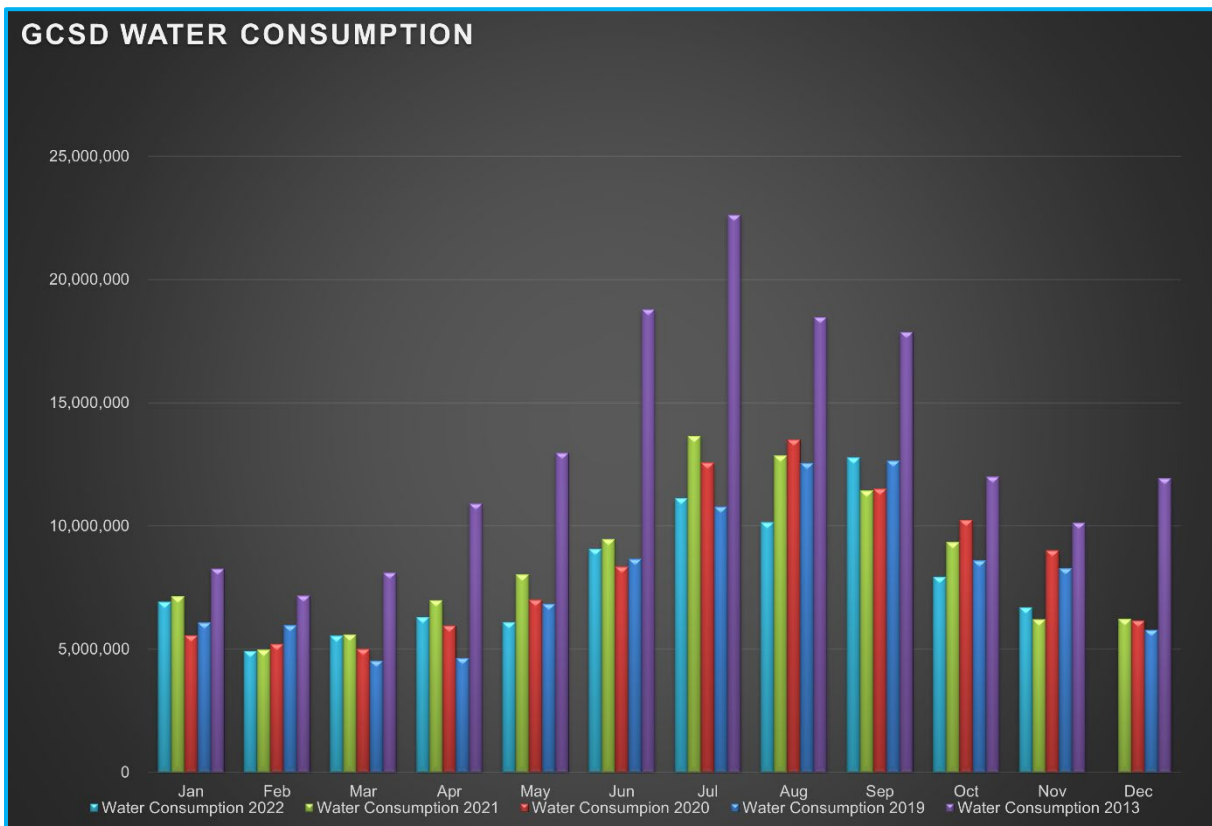
## Water Distribution System Division

Meter Related Services	Total
Check / Repair Meters	6
Water Meters Installed	1
Monthly Meter Restrictions	0
Meter Lock offs	13
Meter Changeouts	1
Tenant Final Reads	3
Re-Reads	25
Meter Turn-Offs	5
Meter Turn-Ons	11
Meter Tests	0
Winterize Meter	4
<b>Total Meter Related Issues</b>	<b>69</b>

Billed Consumption (Gallons)	2022	2021	2020
Residential	6,279,491	5,765,165	9,001,819
Commercial	416,431	438,615	N/A
<b>Total</b>	<b>6,695,922</b>	<b>6,203,780</b>	<b>9,001,819</b>

<b>Active Accounts</b>	3260
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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	0
Fire Hydrant Repairs / Replacements	0
Number of Hydrants Flushed	17
Number of Dead-Ends Flushed	8
Water Valves Exercised	0
GIS Points	0

Description	Gallons
Flushing for Water Quality	15,650
Water Loss Due to Leaks / Breaks	14,400

After-Hours Calls (Hours)				
Water	Sewer	Park	Other	Total
7	5	0	1	13

**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)
  
- **Tanks and Pump Stations**
  - Inspect and exercise generator at Tank 2
  - Inspect and exercise generator at Tank 4
  - Inspect and exercise generator at Big Creek TP
  - Inspect and exercise generator at 2G TP
  
- **Distribution System**
  - Repaired mainline leak at 11255 Merrill Rd.
  - Water Meter ERT testing and programming.

Water Leak Repair – Merrill Rd



## Wastewater Collection System Division

Description	Total
Manholes Inspected	215
GIS Points	0
Customer Complaint	1
Odor Complaints	0

Description	Total
Flushing/Jetting (Feet)	1450
Video Inspection (Feet)	0

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

## Maintenance and Repair

- **Routine Tasks**
  - Weekly lift station site inspections
  - Added degreaser and odor control to lift stations
- **Lift Stations**
  - Cleaned: LS9, LS10, LS11, LS12
  - LS13 Manhole inspections
  - Clean and inspect check valve on Pump 2 at LS10
  - Diagnose and inspect LS7 Pump 2. Diagnosed soft start problem. Adjusted soft start operation. Pump functioning properly.
  - Generator inspections – LS1, LS2, LS3, LS7, LS8, LS9, LS10, LS11, LS12, LS13, LS14,LS15, LS16
- **Collection System**
  - Flushed/Jetted gravity sewer line areas
  - Install sewer flow monitor on new manhole following CIP replacement.

## Pictures

## Parks Division

## Maintenance and Repair

- **Mary Laveroni Community Park**
  - Landscape Maintenance
- **Ballfield & Dog Park**

## General Maintenance Division

### Maintenance By Department

- **Operations Department**

- 2G Water Treatment Plant
  - Clean flow meter vault
- Big Creek Water Treatment Plant
- AWS
- STP
  - Install air diffusers in STP basins
  - Clean and inspect intake filters on air blowers.

- **Maintenance Department**

- Equipment
  - 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
  - 30821: Grease, lubricate and adjust tracks.
  - 51618: R & R damaged seat cover, fabricate and install tool rack, aux fuel tank repair.
  - 41825: Service oil/filter, R & R air filter
  - 41719: R & R tire pressure monitors and rebalance tires
  - 41820: R & R and balance 4 Tires
  - 40606: R & R faulty coil pack. Repair transmission fluid dipstick tube.
  - 40708: R & R Right front headlight, R & R broken tailgate latch. Check fluids.
  - 70781: 90 Day Inspection and service engine.
- Buildings & Yard
  - General yard cleanliness.

### Contracted Work

- Moyle Excavation
  - Sanitary Sewer Replacement CIP project continuing

## Workplace Safety and Training

- Routine Safety Meetings
  - 1) Daily Tailgate Meetings
  - 2) Weekly Safety Meetings
  - 3) Weekly Security Checks
  - 4) Weekly Vehicle Inspection