

**Operations and Maintenance Report
December 2022**

Operations Department

Wastewater Treatment Division

Influent Totals	
Total	4.49
Average	0.14
High	0.32
Low	0.07

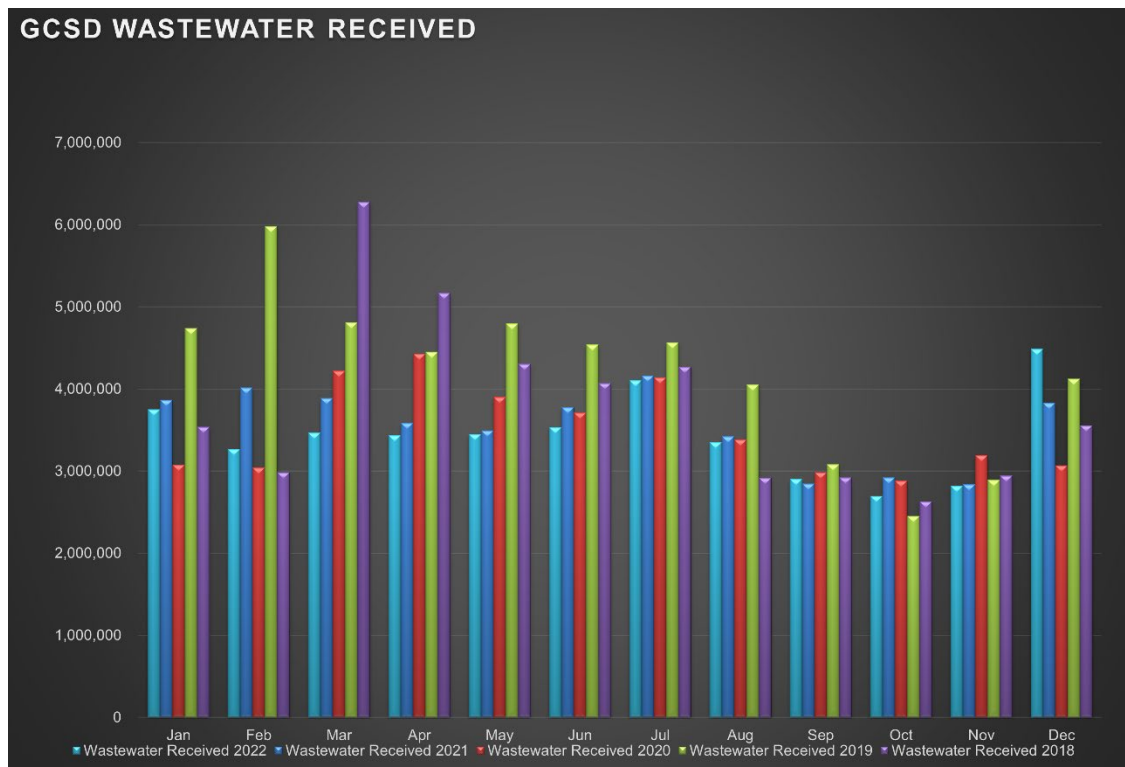
Effluent Totals	
Total	5.62
Average	0.18
High	0.33
Low	0.07

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

Wasting Totals	
Total Inches	145
Total Pounds	2748
Active Accounts	1563

STP Rainfall Totals by Year During Current Month (Inches)					
Season	2022	2021	2020	2019	2018
	23.77	18.41	12.47	3.41	10.02
High	High 4.10	High 2.50	High 0.82	High 3.73	High 0.93

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

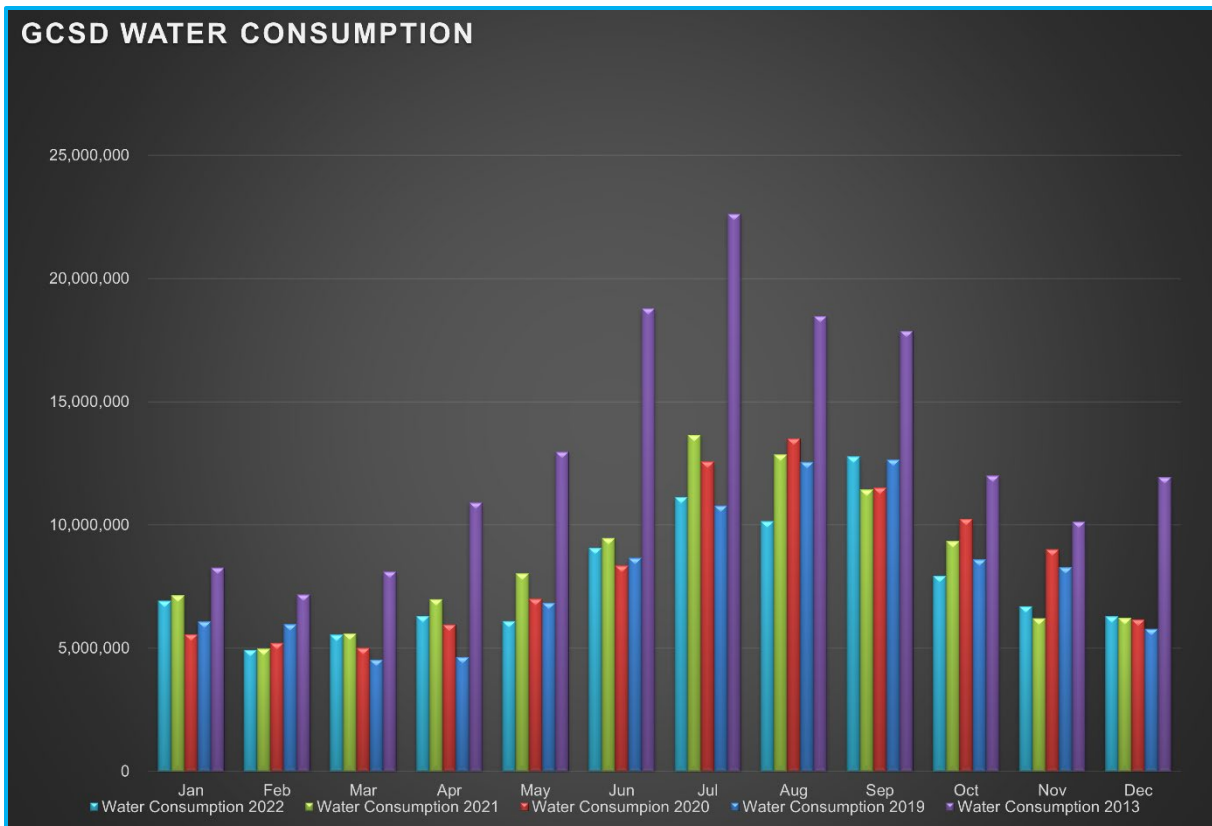
Water Distribution System Division

Meter Related Services	Total
Check / Repair Meters	4
Water Meters Installed	0
Monthly Meter Restrictions	0
Meter Lock offs	5
Meter Changeouts	1
Tenant Final Reads	2
Re-Reads	58
Meter Turn-Offs	5
Meter Turn-Ons	12
Meter Tests	1
Winterize Meter	0
Total Meter Related Issues	88

Billed Consumption (Gallons)	2022	2021	2020
Residential	5,869,502	5,823,044	6,159,626
Commercial	425,835	413,648	N/A
Total	6,295,337	6,236,692	6,159,626

Active Accounts	3260
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Charted Historical Monthly Water Consumption



Maintenance and Repair Data

Description	Total
Water Main Leaks / Repairs	0
Water Service Line Leaks / Repairs	1
Fire Hydrant Repairs / Replacements	0
Number of Hydrants Flushed	4
Number of Dead-Ends Flushed	0
Water Valves Exercised	2
GIS Points	0

Description	Gallons
Flushing for Water Quality	6,700
Water Loss Due to Leaks / Breaks	8,654

After-Hours Calls (Hours)				
Water	Sewer	Park	Other	Total
7	12	3	2	24

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**

- Placed water conservation signs around the district in anticipation of tunnel shutdown.
- Water leak, 12727 Mt Jefferson St.

Pictures

Water Break - Mt Jefferson



Wastewater Collection System Division

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

Description	Total
Flushing/Jetting (Feet)	900
Video Inspection (Feet)	2740

Description	Total
Sanitary Sewer Spills (SSO)	1
SSO Gallons Spilled	1659

Maintenance and Repair

- **Routine Tasks**
 - Weekly lift station site inspections (PMCS)
 - Added degreaser and odor control to lift stations
- **Lift Stations**
 - Cleaned: LS5, LS6, LS7, LS8
 - LS15 Manhole inspections.
 - LS16 and LS11 MH Inspections for I&I.
 - Clean and inspect check valve on Pump 1 at LS16.
- **Collection System**
 - Flushed/Jetted gravity sewer line areas

Pictures

Parks Division

Maintenance and Repair

- **Mary Laveroni Community Park**
 - Landscape Maintenance
 - Annual Fall Leave/Slash removal
 - Daily trash and bathroom 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
 - 41719: Tire repair, remount and balance.
 - 60524: Regular maintenance service. Lubricate, Oil and filter replacement, inspection.
 - 41825: Service oil/filter, R & R air filter
 - 70781: Headlight replacement, emergency light bulb replacement.
- Buildings & Yard
 - General yard cleanliness.
 - Vegetation management.

Contracted Work

- Presidio Systems Inc.
 - Lift station cleaning
 - CCTV work for pipe defects
- 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

Our New Equipment

Truck 29

2022 Chevrolet 2500 4WD 6.6L Gas motor, Auto Transmission, Harbor Toolbox with lumber rack and work lights. Our Collection and Distribution Lead Worker will be working from this vehicle.



Truck 30

2023 Vac-Con 11-yard combination sewer cleaner.

It sits in a Freightliner chassis with a Detroit Motor and Automatic Transmission.

This Combo unit will hydro flush sewer mainlines and vacuum debris, grease and grit from the sewer system. We will also use it for cleaning the sewer lift stations. It is an integral part of our battle against sanitary sewer odors.

In addition to sewer system cleaning and maintenance, we will use it as a hydro excavator for work on the sewer system and water system repairs and maintenance.

