



# **City of Montgomery**

## **Operations Report**

**December 2022**

**11/18/22 – 12/17/22**

## **District Alerts**

### **11/19/2022 – Water Plant 2, Low GST**

Operator responded to auto dialer call out for low GST. Operator found well #2 would not run and scheduled repairs.

### **11/22/2022 – Water Plant 2, Scheduled Service Interruption**

Operator was notified of temporary power outage. Operator was onsite to monitor facility during outage, once service was restored all equipment was reset. No issues to report.

### **11/23/2022 – Water Quality, 325 Flagship Blvd**

Resident reported brown water. Operator investigated area and flushed nearest hydrants until water was clear, no other issues found.

### **12/01/2022 – Lift Station 5, High Wet Well**

Operator responded to auto dialer call out for high wet well level. Upon arrival operator found burned fuses and damaged phase monitor. Equipment was replaced and wet well pumped to normal levels. No further issues.

### **12/06/2022 – Water Plant 2, Lift Station 3, & 4, No Power**

Operator responded to auto dialer call out for no power. No power was caused by a power outage in the area. Upon arrival, power was restored, operator pumped down wet well level at lift stations and monitored operations at all facilities. Reset auto dialers.

### **12/08/2022 – Sewer Backup Reported, Sewer Line**

Residents reported manhole in front of Elementary School is backed up. Contractor was called and lines were jetted. Stoppage found as well as damage in sewer main, district was informed and area marked for repairs. The line is flowing and cleared.

### **12/09/2022 – Lift Station 9 & 10, Power Outage**

Operator responded to auto dialer reporting power outage. Upon arrival operator found facility without power. Monitored facilities until power was restored. Once power was restored, operator pumped down the wet well levels to normal and reset equipment.

### **12/09/2022 – Water Plant 2, Well Failed to Prime**

Operator responded to auto dialer call out regarding well failed to prime alarm. Upon arrival operator found no issues with the facility and the well operating normal, equipment was reset.

### **12/10/2022 – Water Plant 2, No Power**

Operator responded to auto dialer call out for no power. Operator monitored facility until power was restored. Once power was restored, operator checked plant operations and no other issues were found.

**12/12/2022 – Sewer Backup reported, 1002 College St**

Resident reported sewer backup. Contractor was called, lines were jetted until clear, no further issues reported.

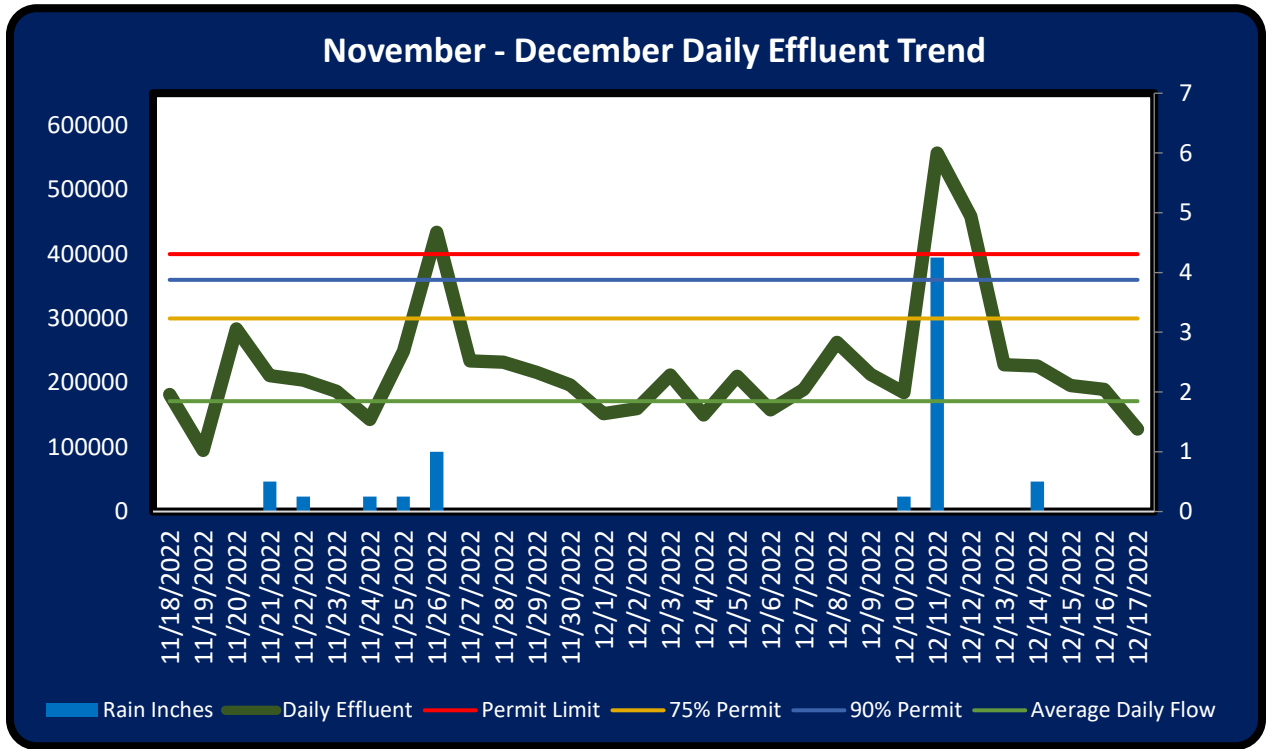
**12/13/2022 – Water Plant 3, Starter failure**

Operator found well starter would skip several times before staying closed. Operator had to troubleshoot well #4 and found connections faulty. Took well #4 offline and put well #3 online. Contacted entergy company to check connections and voltage at pole.

**12/15/2022 – Lift Station 5, High Level**

Operator responded to auto dialer call out for high level. Upon arrival, operator found a bad phase monitor on lift pumps. Replaced phase monitor and checked facility operations, no further issues were found.

**Wastewater Plant Flow Detail**



- Flow for the month of November - December was 6,745,000 gallons
- Daily peak flow was December 11, 2022 was 557,000 gallons
- Average Daily Flow 224,800 gallons
  - 3-month average flow 204,233 gallons
  - 56% of permitted capacity


## Discharge Limitations

- Daily Average Flow 400,000 gallons (0.4 MGD)
- 2-Hour Peak Flow 833 gpm
- CBOD daily average 10 mg/l
- Total Suspended Solids (TSS) 15 mg/l
- Ammonium Nitrogen (NH3) 2 mg/l
- Chlorine Residual >1.0 mg/l < 4.0 mg/l
- The current permit expires 05/10/2027

## *Effluent*

TSS, DO, E.Coli, NH3N, PH sample results were all comfortable within the parameters set by the State of Texas.

### Buffalo Springs WWTP Effluent Monitoring Report

Effluent Permitted Values	Parameter		Measured	Excursion
Average Monthly CBOD	10	mg/l	2.70	no
Average Monthly T.S.S.	15	mg/l	2.20	no
Average Monthly NH3	2	mg/l	0.26	no
Minimal CL2 Residual	1	mg/l	1.11	no
Max CL2 Residual	4	mg/l	3.90	no
Rainfall for the Month		7.25	inches	

**There were no excursions for the month of December.**

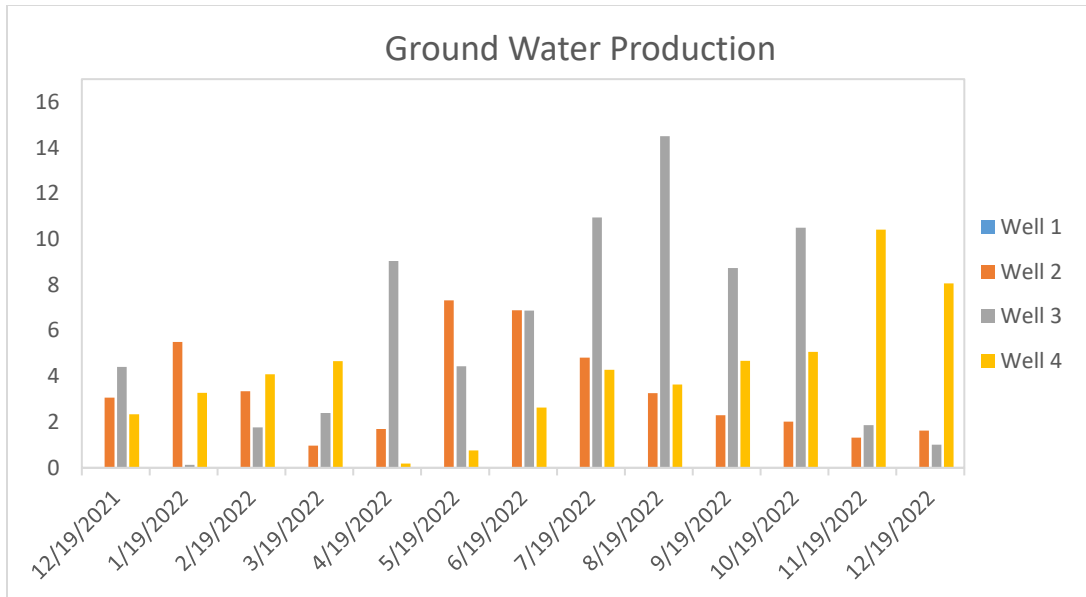
**Water Report:**

11/18/2022-12/17/2022

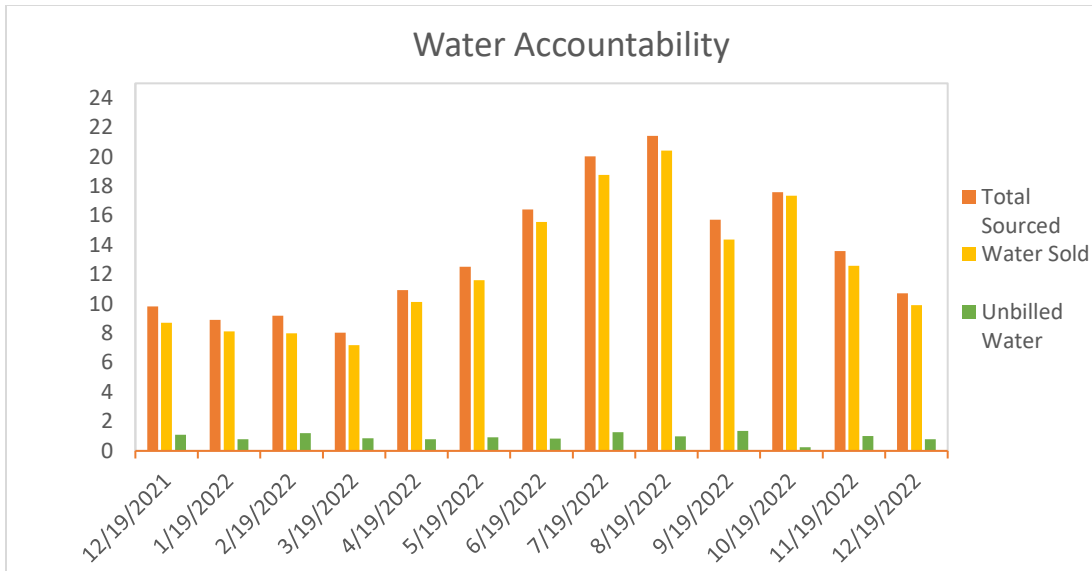
2022							
Well Name	Recorded Flow MGD	% of Total	Rating MGD/Day	YTD Pumpage MGD	YTD %	Permitted Value	Remaining Permit %
Well 2	1.623	15.15%	0.864	38.567	23.96%	92.930	-18.44%
Well 3	1.018	9.50%	0.864	71.498	44.41%		
Well 4	8.071	75.35%	2.160	50.339	31.27%	90.000	44.07%
Total	10.712	100.00%	3.888	160.992	100%	182.930	
Flushing	0.411						
Subtotal	10.301						
Sold	9.917						
% Accounted	96%						

Accountability	
Total Water Sourced	10.712
Flushing	0.411
Subtotal	10.301
Sold	9.917
Accountability %	96%

CONNECTIONS	
School	12
Commercial Inside	172
Commercial Outside	2
Residential Inside	922
Residential Outside	29
Church	14
City	18
Hydrant	7
Multifamily	14
n/a	3
<b>Total</b>	<b>1,193</b>



Date	Total	Well_1	Well_2	Well_3	Well_4
AVG	13.421	0.000	3.397	5.894	4.165
12/19/2021	9.819	0.000	3.066	4.41	2.343
1/19/2022	8.916	0.000	5.511	0.124	3.281
2/19/2022	9.200	0.000	3.343	1.764	4.093
3/19/2022	8.036	0.000	0.977	2.394	4.665
4/19/2022	10.938	0.000	1.699	9.048	0.191
5/19/2022	12.517	0.000	7.318	4.445	0.754
6/19/2022	16.410	0.000	6.894	6.876	2.640
7/19/2022	20.039	0.000	4.814	10.944	4.281
8/19/2022	21.419	0.000	3.265	14.505	3.649
9/19/2022	15.715	0.000	2.306	8.734	4.675
10/19/2022	17.598	0.000	2.024	10.497	5.077
11/19/2022	13.600	0.000	1.318	1.861	10.421
12/19/2022	10.267	0.000	1.623	1.018	8.071
Total	174.474	0.000	44.158	76.620	54.141



Date	Accountability	Unaccounted	Total Sourced	Water Sold	Flushing/Leaks	Unbilled Water
12/19/2021	91%	0.904	9.819	8.721	0.194	1.098
1/19/2022	96%	0.401	8.916	8.125	0.39	0.791
2/19/2022	103%	-0.237	9.200	8.002	1.435	1.198
3/19/2022	96%	0.327	8.036	7.184	0.525	0.852
4/19/2022	96%	0.447	10.938	10.140	0.351	0.798
5/19/2022	98%	0.202	12.517	11.603	0.712	0.914
6/19/2022	96%	0.594	16.410	15.579	0.237	0.831
7/19/2022	96%	0.774	20.039	18.777	0.488	1.262
8/19/2022	97%	0.706	21.419	20.422	0.291	0.997
9/19/2022	93%	1.058	15.715	14.364	0.293	1.351
10/19/2022	100%	-0.023	17.598	17.352	0.269	0.246
11/19/2022	95%	0.717	13.600	12.594	0.289	1.006
12/19/2022	96%	0.384	10.712	9.917	0.411	0.795