



# **City of Montgomery**

**Operations Report**

**November 2022**

**10/18/22 – 11/17/22**

## **District Alerts**

### **10/18/2022 – Water Plant 3, Repairs**

Operator was on site due to contractor repairing valves. Facility was put offline due to repairs, operator monitored facility until repairs were complete. Facility put back online, no further issues.

### **10/18/2022 – Lift Station 12, Power Outage**

Operator responded to auto dialer reporting power outage. Upon arrival operator found facility had no power, electric company was called out and power was restored. Facility equipment was reset and no further issues.

### **10/20/2022 – Lift Station 2 & 7, Power Outage**

Operator responded to auto dialer reporting power outage. Upon arrival operator found lift station 7 with no power and lift station 2 to have an overvolt fault. Electric company was called out and power was restored for lift station 7; Facility equipment was reset at lift station 2, no further issues were reported.

### **10/20/2022 – Lift Station 3, Generator Running**

Operator responded to auto dialer reporting generator running. Upon arrival operator found generator running and power was normal. Generator clock timer would not shut off, operator confirmed issue occurred when there was a power outage. Contractor was called out to do maintenance on generator, no further issues reported.

### **10/24/2022 – Lift Station 2, High Wet Well/Phase Failure/Blowers Off**

Operator responded to auto dialer reporting high wet well, phase failure and blowers off. Upon arrival operator found facility operating normally. Facility equipment was reset, and no further issues reported.

### **11/11/2022 – Lift Station 4, High Wet Well**

Operator on site due to electric company repairing power lines around area. Facility is offline and wet wells are high, operator onsite to pump down wet well. Facility was put back online after repairs, no further issues.

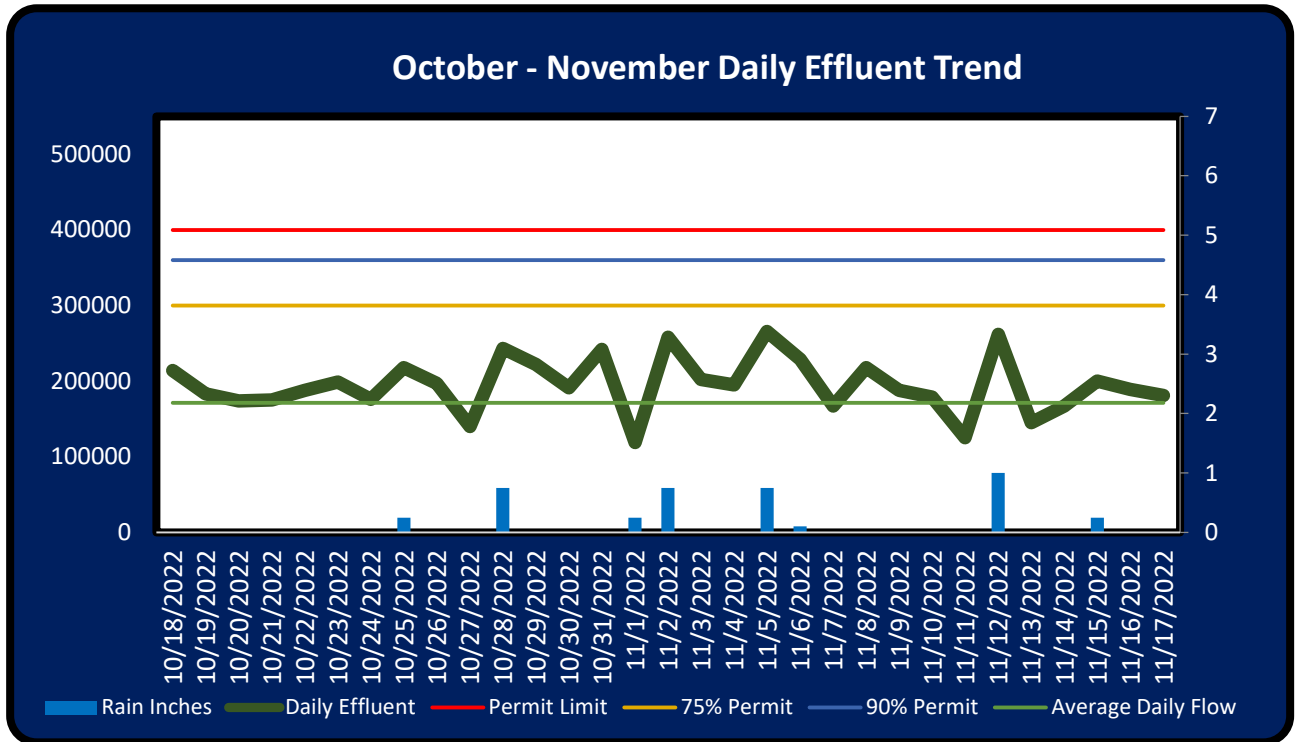
### **11/16/2022 – Water Quality, 201 Abner Ln**

Resident reported poor water quality. Technician investigated and was able to flush nearest hydrant, no further issues reported.

### **11/17/2022 – Water Plant 3, Chlorinator Failure**

Operator onsite found injector not distributing due to blockage and found chlorinator unable to reset. Contractor was called out to make repairs and investigate issues, repairs were made, and no further issues reported.

**Wastewater Plant Flow Detail**



- Flow for the month of October - November was 6,052,000 gallons
- Daily peak flow was November 05, 2022 was 266,000 gallons
- Average Daily Flow 195,200 gallons
  - 3-month average flow 195,400 gallons
  - 49% 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	2.50	no
Average Monthly NH3	2	mg/l	0.40	no
Minimal CL2 Residual	1	mg/l	1.11	no
Max CL2 Residual	4	mg/l	3.96	no
Rainfall for the Month		4.10	inches	

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

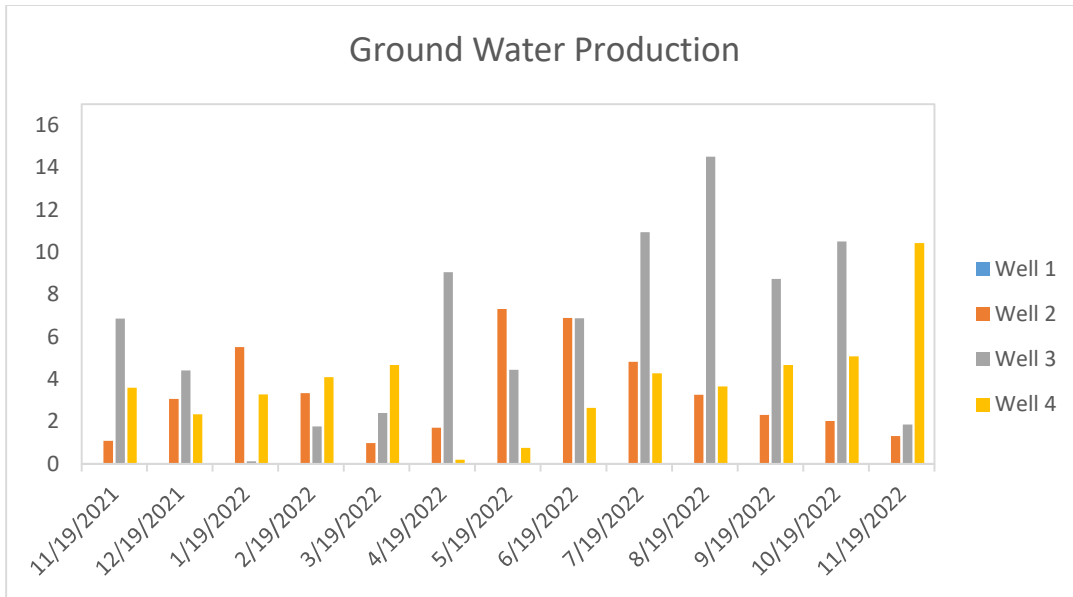
**Water Report:**

10/18/2022-11/17/2022

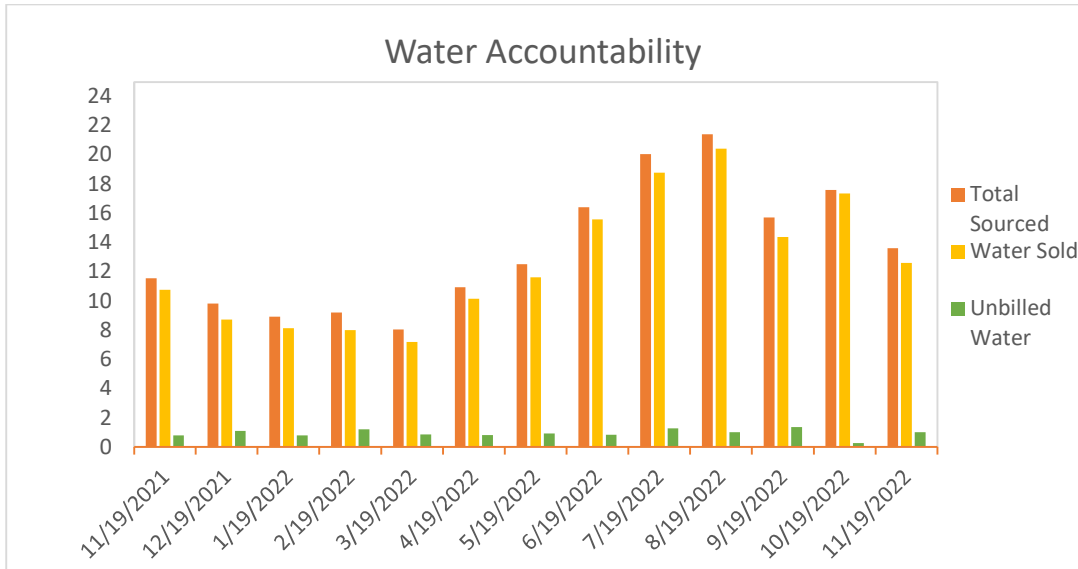
2022							
Well Name	Recorded Flow MGD	% of Total	Rating MGD/Day	YTD Pumpage MGD	YTD %	Permitted Value	Remaining Permit %
Well 2	1.318	9.69%	0.864	36.944	24.58%	92.930	-15.60%
Well 3	1.861	13.68%	0.864	70.480	46.90%		
Well 4	10.421	76.63%	2.160	42.268	28.13%	90.000	53.04%
Total	13.600	100.00%	3.888	150.280	100%	182.930	
Flushing	0.289						
Subtotal	13.311						
Sold	12.594						
% Accounted	95%						

Accountability	
Total Water Sourced	13.600
Flushing	0.289
Subtotal	13.311
Sold	12.594
Accountability %	95%

CONNECTIONS	
School	12
Commercial Inside	172
Commercial Outside	2
Residential Inside	921
Residential Outside	29
Church	14
City	17
Hydrant	7
Multifamily	14
n/a	3
<b>Total</b>	<b>1,191</b>



Date	Total	Well_1	Well_2	Well_3	Well_4
AVG	13.519	0.000	3.356	6.343	3.821
11/19/2021	11.545	0.000	1.088	6.855	3.602
12/19/2021	9.819	0.000	3.066	4.410	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
Total	175.752	0.000	43.623	82.457	49.672



Date	Accountability	Unaccounted	Total Sourced	Water Sold	Flushing/Leaks	Unbilled Water
11/19/2021	95%	0.632	11.545	10.758	0.155	0.787
12/19/2021	91%	0.904	9.819	8.721	0.194	1.098
1/19/2022	96%	0.401	8.916	8.125	0.390	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