



# **City of Montgomery**

## **Operations Report**

**August 2023**

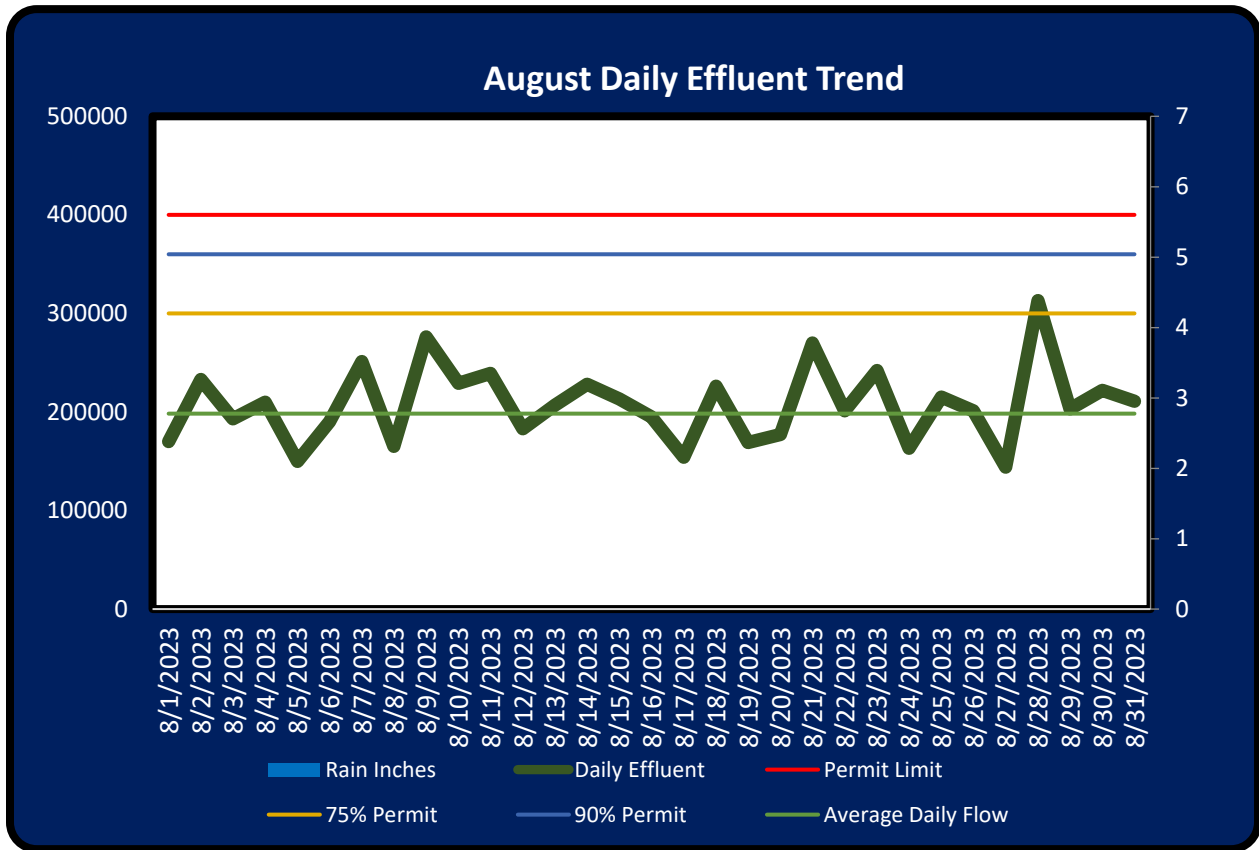
**08/01/23 – 08/31/23**

## **District Alerts**

### **08/01/2023 – Phase Failure, Lift Station 5**

Operator responded to auto dialer call out for phase failure. Upon arrival, found facility operations running normal. Attempted to reset auto dialer but it wouldn't reset due to bad phase monitor in ATS control. Replaced phase monitor and no further issues were found.

**Wastewater Plant Flow Detail**



- Flow for the month of August was 6,443,000 gallons.
- Daily peak flow was August 28, 2023, was 313,000 gallons.
- Average Daily Flow 207,800 gallons
  - 3-month average flow 205,433 gallons
  - 52% 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	2.50	no
Average Monthly T.S.S.	15	mg/l	3.60	no
Average Monthly NH3	2	mg/l	2.07	Yes
Minimal CL2 Residual	1	mg/l	1.07	no
Max CL2 Residual	4	mg/l	3.50	no
Rainfall for the Month		0.00	inches	

**There was 1 excursion for the month of August.**

**Water Report:**

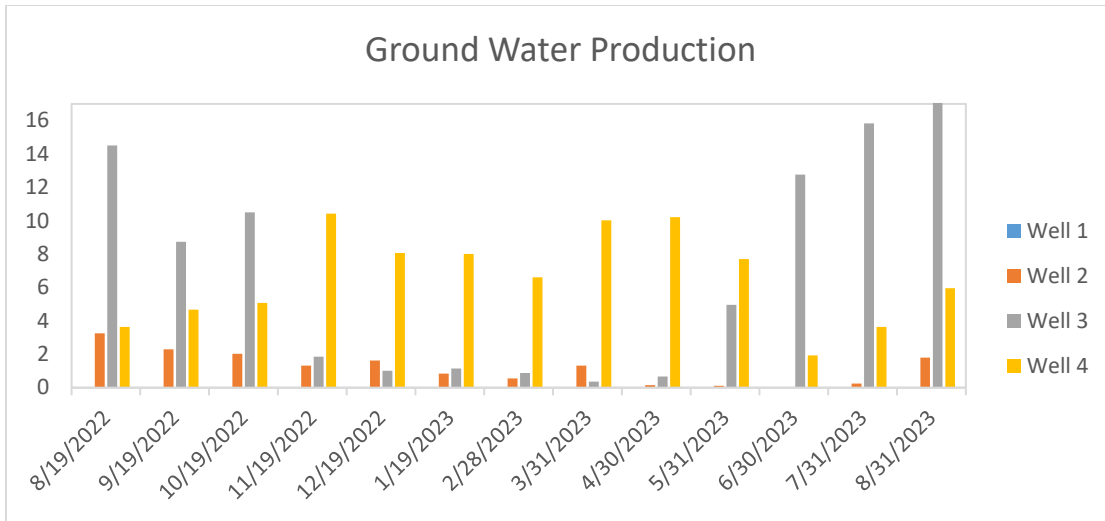
08/01/2023-08/31/2023

2023							
Well Name	Recorded Flow MGD	% of Total	Rating MGD/Day	YTD Pumpage MGD	YTD %	Permitted Value	Remaining Permit %
Well 2	1.553	7.02%	0.864	4.825	4.26%	92.930	32.22%
Well 3	17.885	69.65%	0.864	53.587	47.36%		
Well 4	5.859	23.33%	2.160	54.738	48.38%	90.000	43.34%
Total	25.297	100.00%	3.888	113.150	100%	182.930	
Flushing	0.592						
Subtotal	24.705						
Sold	24.391						
% Accounted	99%						

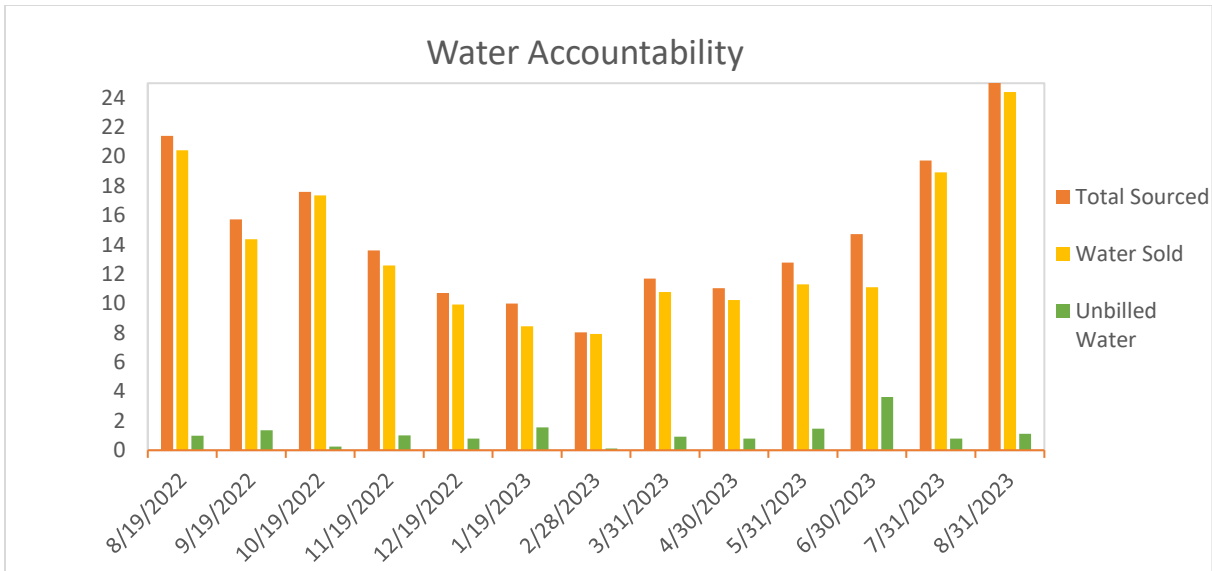
LSGCD Pumpage Report	
Water Pumped (August):	25,515,000
Permitted Pumpage:	182,930,000
Pumpage Against Permit:	111,645,000
Remaining Amount:	71,285,000

CONNECTIONS	
School	12
Commercial Inside	176
Commercial Outside	2
Residential Inside	950
Residential Outside	35
Church	14
City	18
Hydrant	7
Multifamily	17
n/a	3
<b>Total</b>	<b>1234</b>

Accountability	
Well 2 & 3 Pumpage (Year):	58.131
Well 2 & 3 Permit:	92.930
<b>Well 2 &amp; 3 Permit Left:</b>	<b>34.799</b>
Well 4 Pumpage (Year):	54.738
Well 4 Permit:	90.000
<b>Well 4 Permit Left:</b>	<b>35.262</b>



Date	Total	Well_1	Well_2	Well_3	Well_4
AVG	14.812	0.000	1.196	7.001	6.615
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	10.712	0.000	1.623	1.018	8.071
1/19/2023	9.993	0.000	0.843	1.140	8.010
2/28/2023	8.041	0.000	0.546	0.886	6.609
3/31/2023	11.693	0.000	1.318	0.354	10.021
4/30/2023	11.040	0.000	0.154	0.676	10.210
5/31/2023	12.783	0.000	0.106	4.965	7.712
6/30/2023	14.718	0.000	0	12.774	1.944
7/31/2023	19.730	0.000	0.252	15.833	3.645
8/31/2023	25.515	0.000	1.792	17.77	5.953
Total	192.557	0.000	15.547	91.013	85.997



Date	Accountability	Unaccounted	Total Sourced	Water Sold	Flushing/Leaks	Unbilled Water
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
1/19/2023	88%	1.182	9.993	8.440	0.371	1.553
2/28/2023	103%	-0.214	8.041	7.927	0.328	0.114
3/31/2023	93%	0.845	11.693	10.770	0.078	0.923
4/30/2023	94%	0.684	11.040	10.242	0.114	0.798
5/31/2023	94%	0.792	12.783	11.306	0.685	1.477
6/30/2023	97%	2.965	14.718	11.096	0.657	3.622
7/31/2023	96%	-0.437	19.730	18.927	1.240	0.803
8/31/2023	99%	0.532	25.297	24.391	0.592	.906