



City of Montgomery

Operations Report

July 2023

07/01/23 – 07/31/23

District Alerts

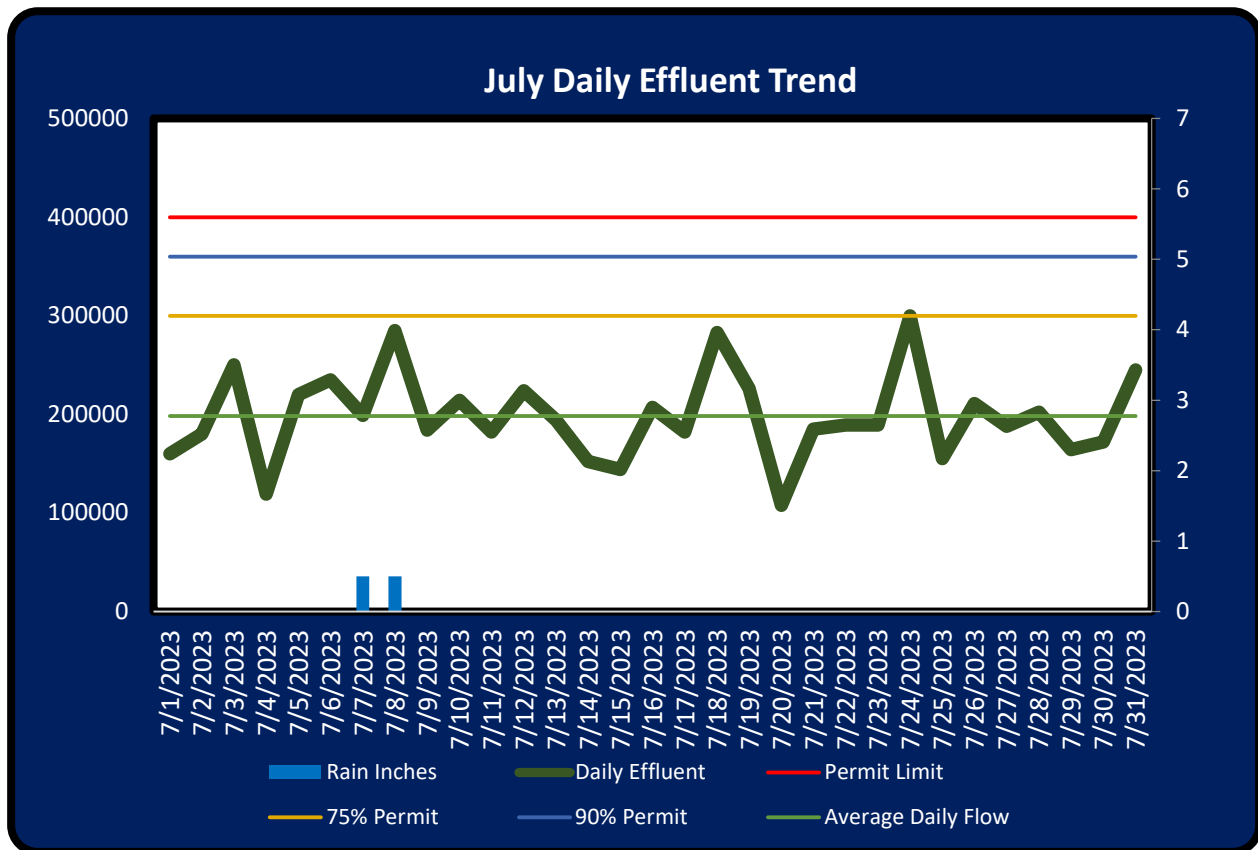
07/07/2023 – Low System Pressure, Water Plant 3

Operator responded to auto dialer call out for low system pressure. Upon arrival, found construction repairing a main line leak at FM 1097 & FM 149. Once leak was repaired, lines were flushed and water plant #3 is operating normally. No further issues.

07/20/2023 – Clarifier Failure, WWTP 2

Operator responded to auto dialer call out for clarifier failure. Upon arrival, found clarifier leaking oil from top gear box and a bad starter. Clarifier drive is offline while repairs are being made. Once repairs were made, put clarifier drive back online and monitored operations. No further issues.

Wastewater Plant Flow Detail



- Flow for the month of July was 6,148,000 gallons.
- Daily peak flow was July 24, 2023, was 300,000 gallons.
- Average Daily Flow 198,300 gallons
 - 3-month average flow 221,233 gallons
 - 50% 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	4.40	no
Average Monthly T.S.S.	15	mg/l	3.00	no
Average Monthly NH3	2	mg/l	1.56	no
Minimal CL2 Residual	1	mg/l	1.10	no
Max CL2 Residual	4	mg/l	3.89	no
Rainfall for the Month		1.00	inches	

There were no excursions for the month of July.

Water Report:

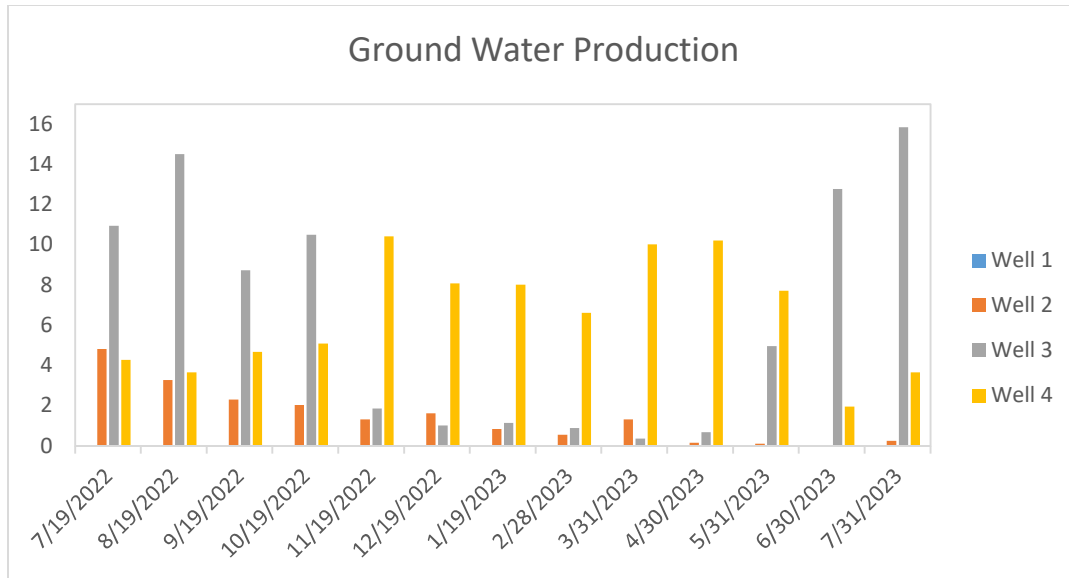
07/01/2023-07/31/2023

2023							
Well Name	Recorded Flow MGD	% of Total	Rating MGD/Day	YTD Pumpage MGD	YTD %	Permitted Value	Remaining Permit %
Well 2	0.491	1.28%	0.864	7.609	8.83%	92.930	53.27%
Well 3	15.787	80.25%	0.864	35.817	41.58%		
Well 4	3.739	18.47%	2.160	45.045	52.30%	90.000	49.95%
Total	20.017	100.00%	3.888	86.130	103%	182.930	
Flushing	0.240						
Subtotal	19.777						
Sold	18.927						
% Accounted	96%						

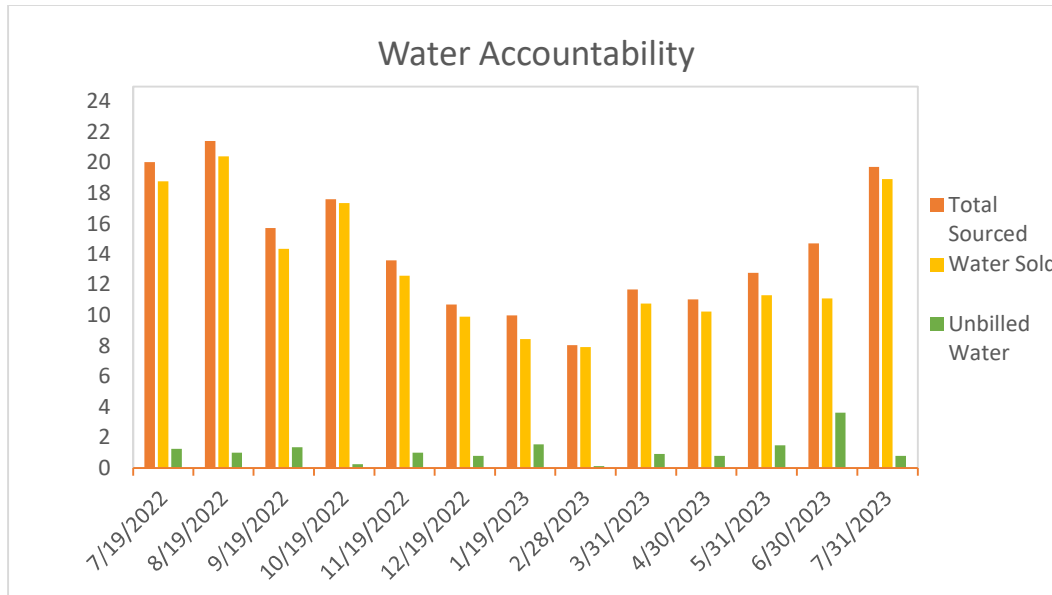
Accountability	
Total Water Sourced	20.017
Flushing	0.240
Subtotal	19.777
Sold	18.927
Accountability %	96%

LSGCD Pumpage Report	
Well 2 & 3 Pumpage (Year):	38,601,000
Well 2 & 3 Permit:	92,930,000
Well 2 & 3 Permit Left:	54,329,000
Well 4 Pumpage (Year):	48,785,000
Well 4 Permit:	90,000,000
Well 4 Permit Left:	41,215,000

CONNECTIONS	
School	12
Commercial Inside	176
Commercial Outside	2
Residential Inside	945
Residential Outside	32
Church	14
City	18
Hydrant	7
Multifamily	17
n/a	3
Total	1,226



Date	Total	Well_1	Well_2	Well_3	Well_4
AVG	14.391	0.000	1.428	6.476	6.487
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	10.712	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	0.000	12.774	1.944
7/31/2023	19.730	0.000	0.252	15.833	3.645
Total	187.081	0.000	18.569	84.187	84.325



Date	Accountability	Unaccounted	Total Sourced	Water Sold	Flushing/ Leaks	Unbilled Water
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
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	93%	0.792	12.783	11.306	0.685	1.477
6/30/2023	97%	0.522	14.618	14.096	0.068	0.454
7/31/2023	96%	0.850	20.017	18.927	0.240	1.090