



City of Montgomery

Operations Report

March 2023

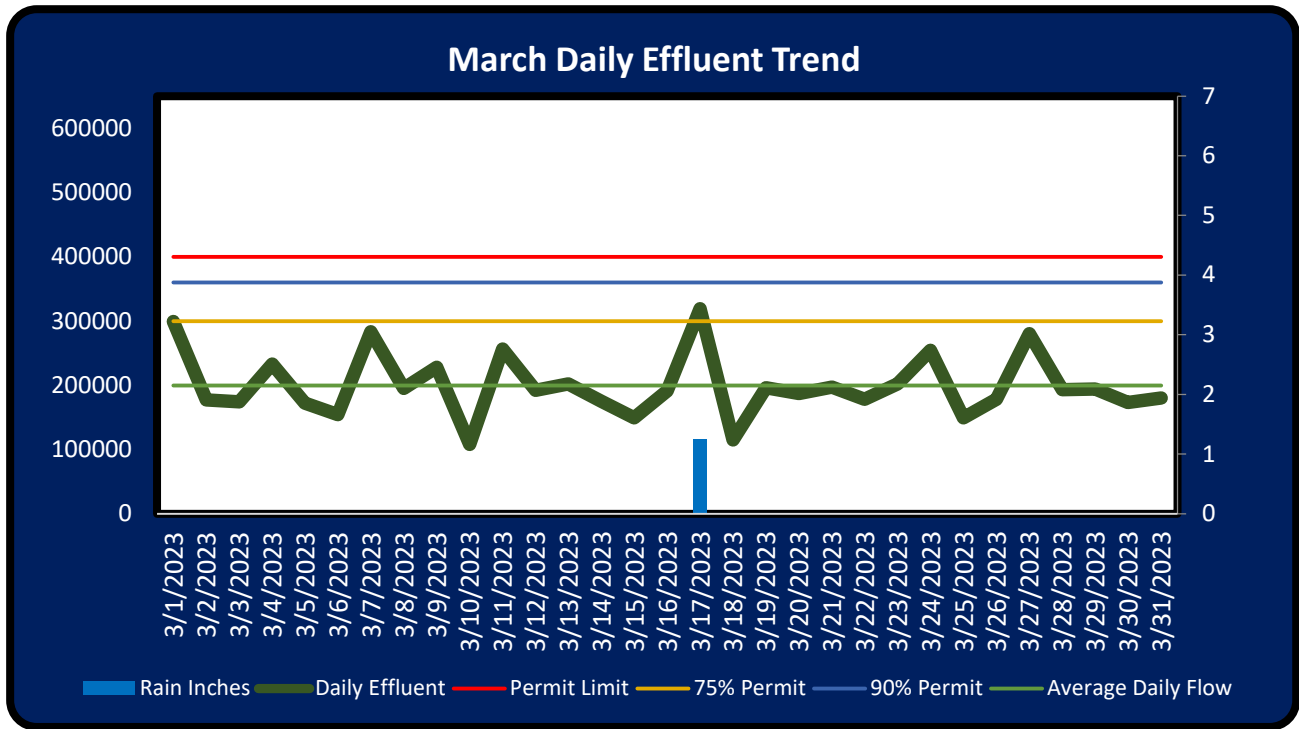
03/01/23 – 03/31/23

District Alerts

03/26/2023 – Lift Pump Failure, Lift Station 2

Operator responded to an auto dialer call reported pump failure. Upon arrival operator found lift pump 2 had tripped, facility equipment was reset and failure continued. Maintenance was called to de-rag pump, facility equipment was reset and no further issues reported.

Wastewater Plant Flow Detail



- Flow for the month of March was 6,183,000 gallons
- Daily peak flow was March 17, 2023 was 319,000 gallons
- Average Daily Flow 199,500 gallons
 - 3-month average flow 216,367 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	7.00	no
Average Monthly T.S.S.	15	mg/l	3.20	no
Average Monthly NH3	2	mg/l	0.52	no
Minimal CL2 Residual	1	mg/l	1.51	no
Max CL2 Residual	4	mg/l	3.91	no
Rainfall for the Month		1.25	inches	

There were no excursions for the month of March.

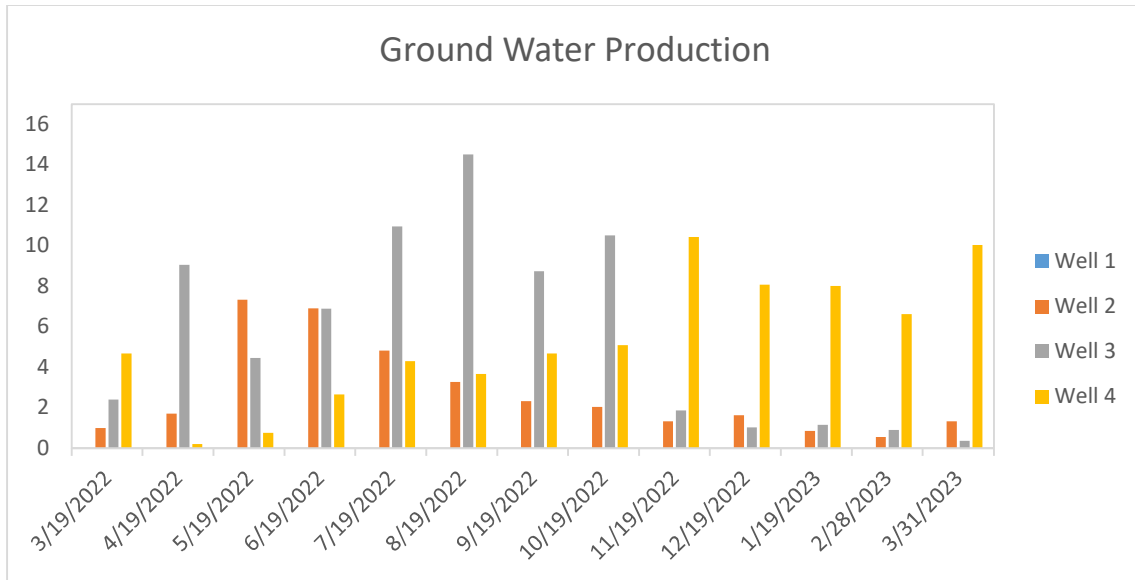
Water Report:

03/01/2023-03/31/2023

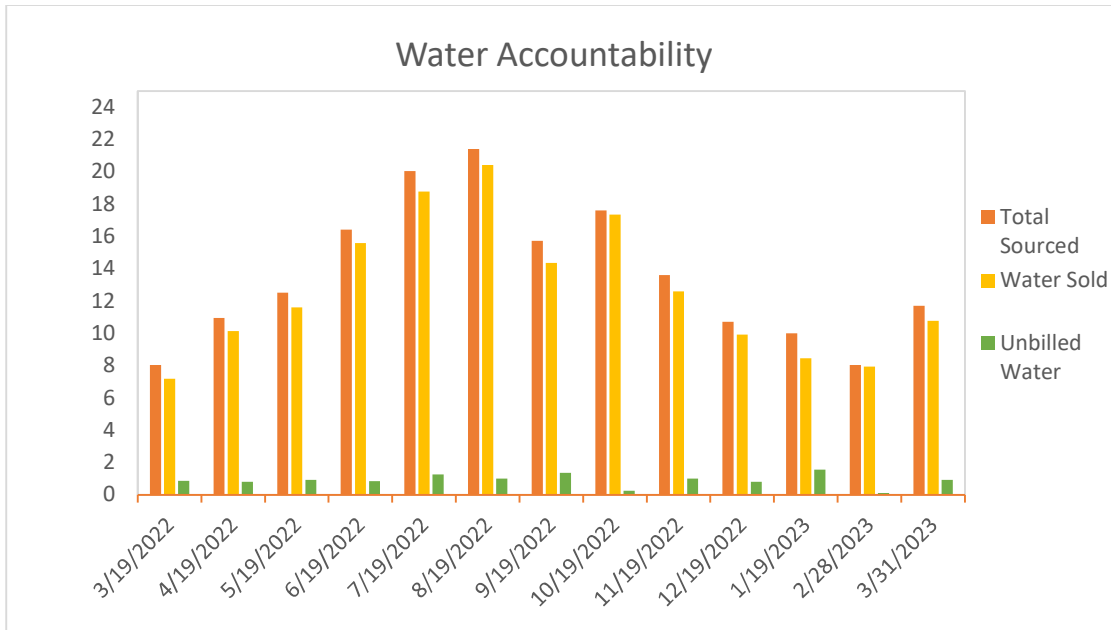
2022							
Well Name	Recorded Flow MGD	% of Total	Rating MGD/Day	YTD Pumpage MGD	YTD %	Permitted Value	Remaining Permit %
Well 2	1.318	11.27%	0.864	7.097	25.47%	92.930	90.67%
Well 3	0.354	3.03%	0.864	1.569	5.63%		
Well 4	10.021	85.70%	2.160	21.534	77.30%	90.000	76.07%
Total	11.693	100.00%	3.888	27.859	108%	182.930	
Flushing	0.078						
Subtotal	11.615						
Sold	10.771						
% Accounted	93%						

Accountability	
Total Water Sourced	11.693
Flushing	0.078
Subtotal	11.615
Sold	10.771
Accountability %	93%

CONNECTIONS	
School	12
Commercial Inside	174
Commercial Outside	2
Residential Inside	935
Residential Outside	30
Church	14
City	19
Hydrant	6
Multifamily	14
n/a	3
Total	1,209



Date	Total	Well_1	Well_2	Well_3	Well_4
AVG	13.593	0.000	2.688	5.592	5.313
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	10.712	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
Total	176.711	0.000	34.945	72.702	69.064



Date	Accountability	Unaccounted	Total Sourced	Water Sold	Flushing/Leaks	Unbilled Water
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
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	10.771	0.078	0.923