



City of Montgomery

Operations Report

May 2023

05/01/23 – 05/31/23

District Alerts

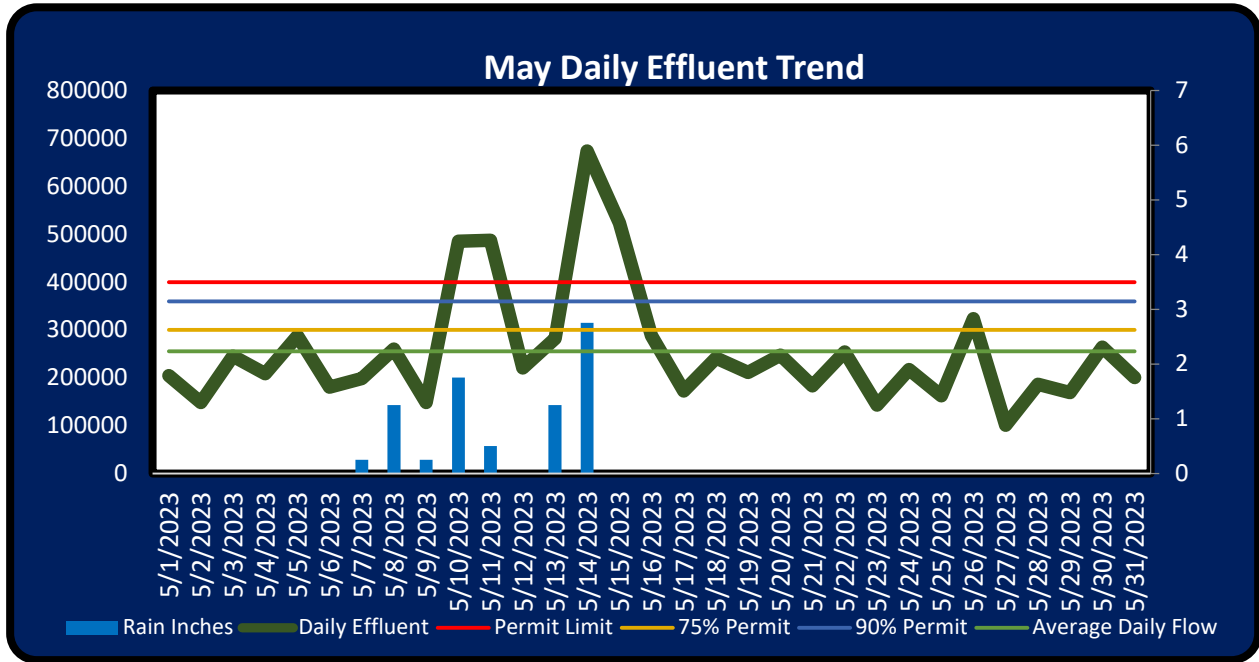
5/19/2023 – Low Water Pressure, Water Plant 3

Operator responded to auto dialer call reporting low system pressure. Upon arrival operator located a main break on distribution line, repairs were made and system pressure was restored. No further issues reported.

5/30/2023 – Control Panel Failure, Lift Station C

City of Montgomery reported control panel failure. Upon arrival operator was unable to reset and was able to have it troubleshooted. Facility equipment was reset and no further issues were reported.

Wastewater Plant Flow Detail



- Flow for the month of May was 7,910,000 gallons
- Daily peak flow was May 14, 2023 was 674,000 gallons
- Average Daily Flow 255,200 gallons
 - 3-month average flow 240,033 gallons
 - 64% 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	2.40	no
Average Monthly T.S.S.	15	mg/l	4.90	no
Average Monthly NH3	2	mg/l	0.49	no
Minimal CL2 Residual	1	mg/l	1.47	no
Max CL2 Residual	4	mg/l	3.95	no
Rainfall for the Month		8.00	inches	

There were no excursions for the month of May.

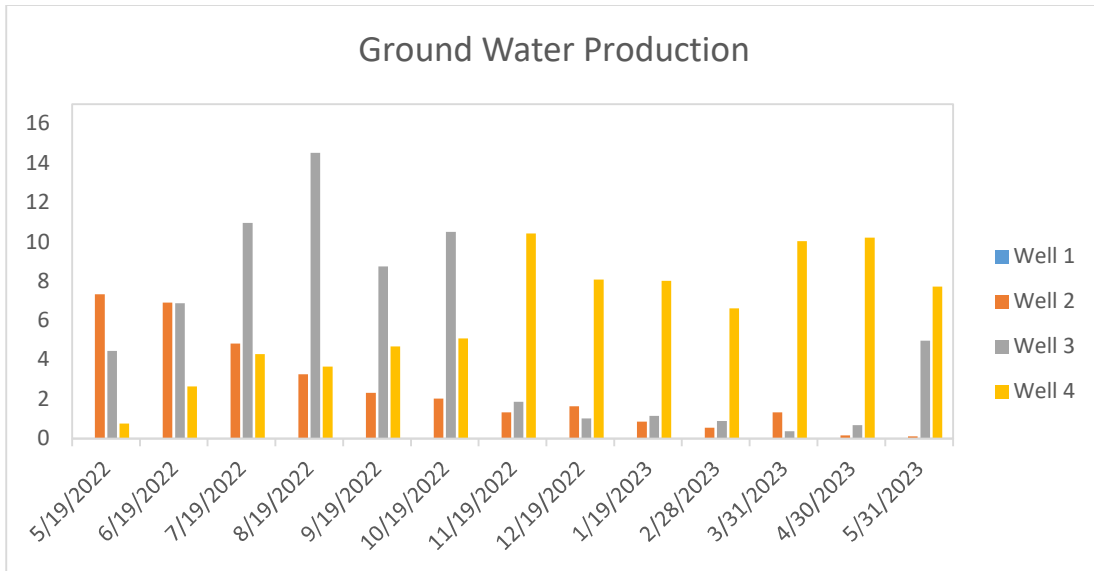
Water Report:

05/01/2023-05/31/2023

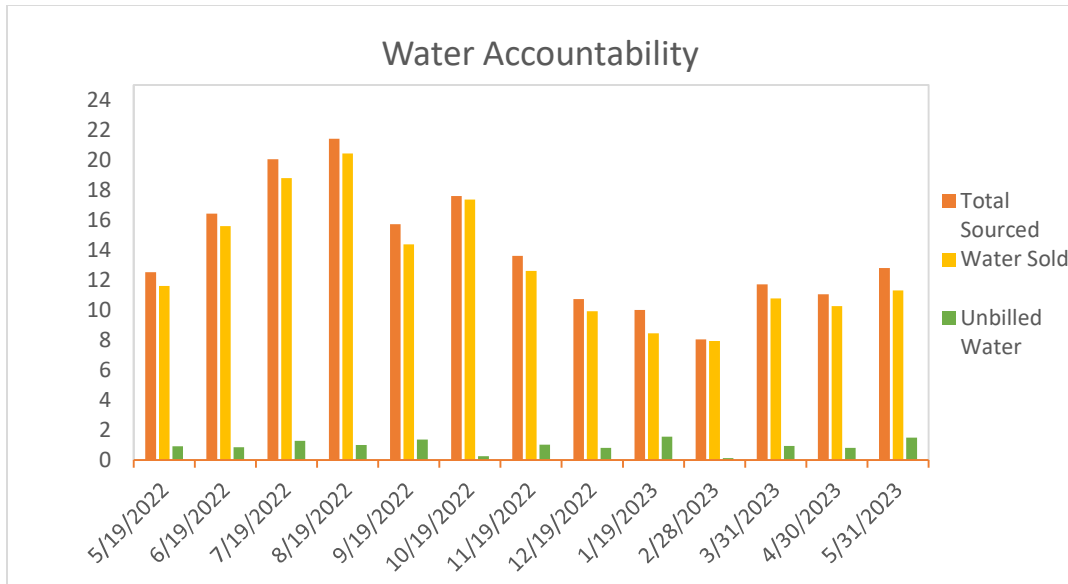
2023							
Well Name	Recorded Flow MGD	% of Total	Rating MGD/Day	YTD Pumpage MGD	YTD %	Permitted Value	Remaining Permit %
Well 2	0.106	0.83%	0.864	7.357	14.24%	92.930	84.32%
Well 3	5.062	38.84%	0.864	7.210	13.95%		
Well 4	7.575	60.33%	2.160	39.456	76.34%	90.000	56.16%
Total	12.743	100.00%	3.888	51.682	105%	182.930	
Flushing	0.772						
Subtotal	11.971						
Sold	11.306						
% Accounted	94%						

Accountability	
Total Water Sourced	12.743
Flushing	0.772
Subtotal	11.971
Sold	11.306
Accountability %	94%

CONNECTIONS	
School	12
Commercial Inside	176
Commercial Outside	2
Residential Inside	941
Residential Outside	31
Church	14
City	19
Hydrant	6
Multifamily	14
n/a	3
Total	1,218



Date	Total	Well_1	Well_2	Well_3	Well_4
AVG	13.966	0.000	2.502	5.146	6.318
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
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
Total	181.560	0.000	32.529	66.901	82.130



Date	Accountability	Unaccounted	Total Sourced	Water Sold	Flushing/Leaks	Unbilled Water
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	10.770	0.078	0.923
4/30/2023	94%	0.684	11.040	10.242	0.114	0.798
5/31/2023	94%	0.665	12.743	11.306	0.772	1.437