



City of Montgomery

Operations Report

May 2022

04/18/22 – 05/17/22

District Alerts

04/23/2022— WWTP, Generator

Operator was called out to facility due to auto dialer calling out for generator running. Operator investigated and confirmed facility was running normal. No further issues found.

04/25/2022— Lift Station 3 and 4, High wet well

Operator was called out to facility due high wet well. Upon arrival operator found both lift stations at high level due to the recent rainstorm and unable to keep up with flow. Maintenance was notified to clean the debris and no further issues were reported.

04/30/2022— Lift Station 2, 3, 7, 8, 9, 10 and 12, WWTP, WP2, Power failure

Operator was called out to facilities due to power outage. Entergy was notified and made us aware of an issue on their end. The facilities were restored with power and no further issues reported.

05/01/2022— Lift Station 4, High wet well

Operator was called out to facility due high wet well. Upon arrival operator found both lift stations at high level. Maintenance was notified to clean the debris and no further issues were reported.

05/05/2022— Lift Station 3, High wet well

Operator was called out to facility due high wet well. Upon arrival operator found facility at normal level and reset facility equipment. No further issues found.

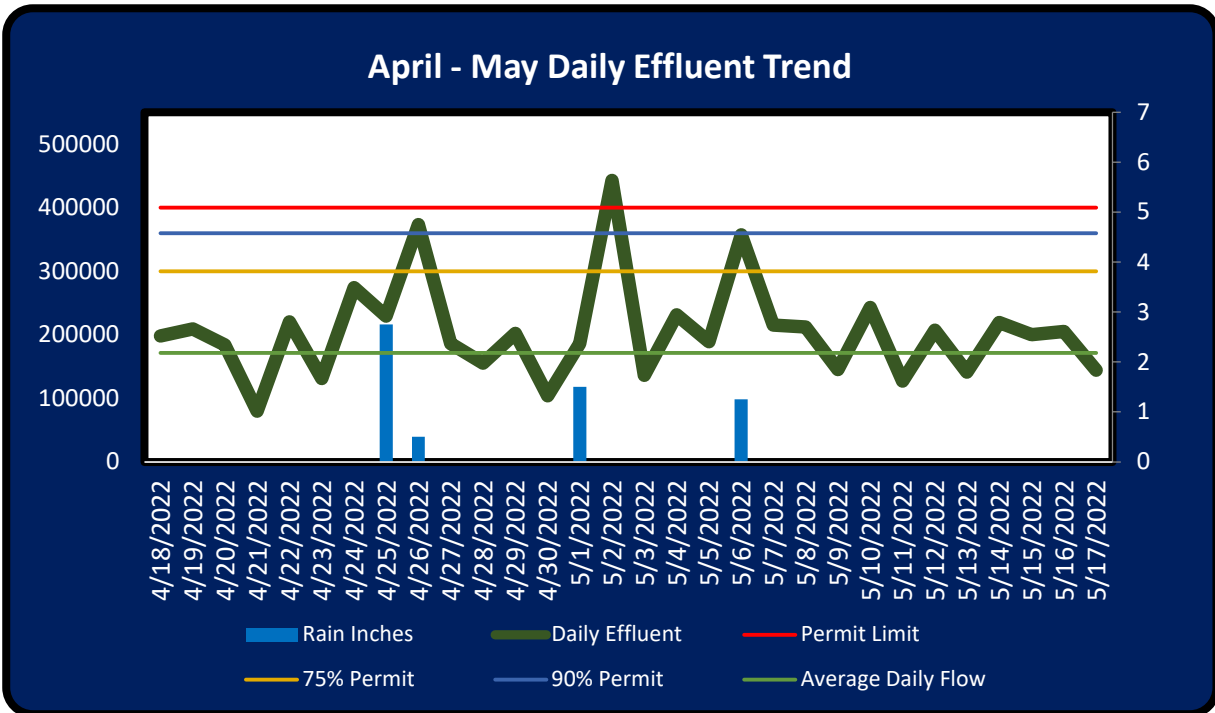
05/14/2022— Leak Reported, 827 Stewart

Resident reported a leak near the water tank. Operator investigated the issue and found the ground storage tank overflowing. The check valve to booster pump 3 was replaced to keep water from back feeding into tank.

05/14/2022 – Lift Station 2, VFD failure

Operator was called out to facility due auto dialer calling out for VFD failure at lift pump 3. Operator investigated the issue and reset facility equipment. No further issues.

Wastewater Plant Flow Detail



- Flow for the month of April – May was 6,145,000 gallons
- Daily peak flow was May 2, 2022 was 443,000 gallons
- Average Daily Flow 204,800 gallons
 - 3-month average flow 194,267 gallons
 - 51% 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 06/01/2022

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 T.S.S.	15	mg/l	2.00	no
Average Monthly NH3	2	mg/l	0.49	no
Minimal CL2 Residual	1	mg/l	1.66	no
Max CL2 Residual	4	mg/l	3.95	no
Rainfall for the Month		6.00	inches	

There were no excursions for the month of May.

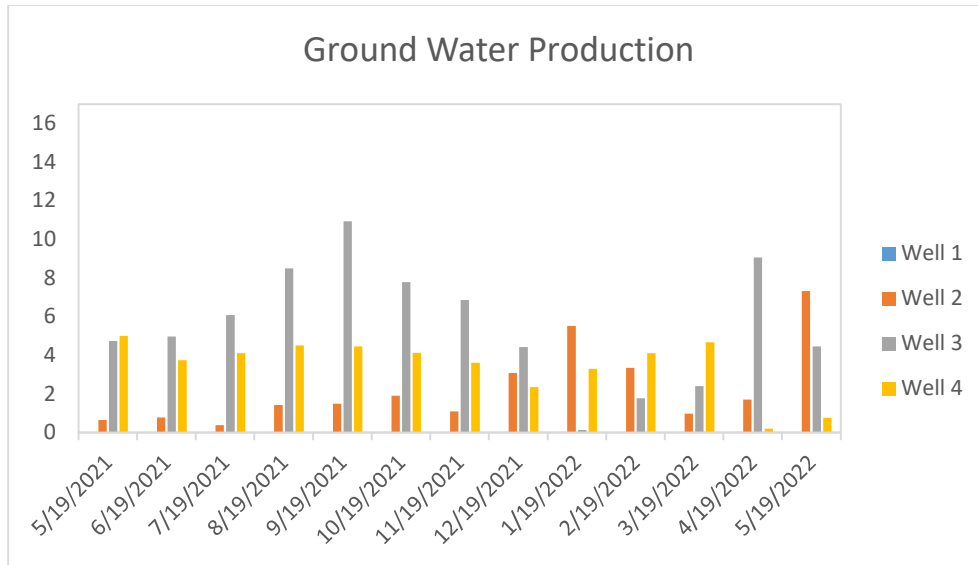
Water Report:

04/18/2022-05/17/2022

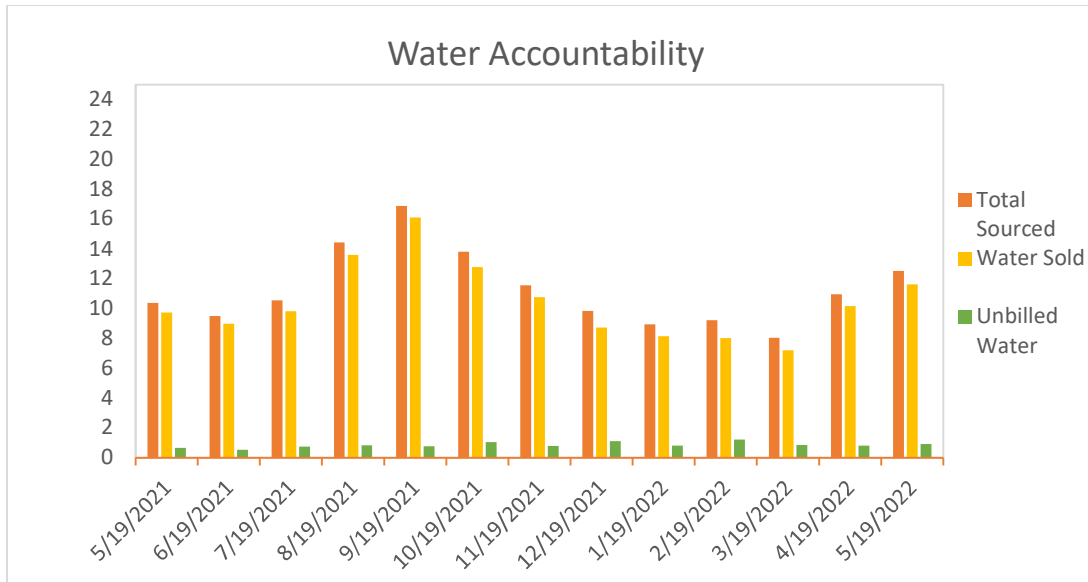
2022							
Well Name	Recorded Flow MGD	% of Total	Rating MGD/Day	YTD Pumpage MGD	YTD %	Permitted Value	Remaining Permit %
Well 2	7.318	58.46%	0.864	16.323	36.35%	92.930	64.07%
Well 3	4.445	35.51%	0.864	17.063	37.99%		
Well 4	0.754	6.02%	2.160	11.525	25.66%	90.000	87.19%
Total	12.517	100.00%	3.888	44.911	100%	182.930	
Flushing	0.712						
Subtotal	11.805						
Sold	11.603						
% Accounted	98%						

Accountability	
Total Water Sourced	12.517
Flushing	0.712
Subtotal	11.805
Sold	11.603
Accountability %	98%

CONNECTIONS	
School	12
Commercial Inside	170
Commercial Outside	2
Residential Inside	889
Residential Outside	29
Church	14
City	17
Hydrant	7
Multifamily	14
n/a	3
Total	1157



Date	Total	Well_1	Well_2	Well_3	Well_4
AVG	11.26	0.000	2.277	5.539	3.447
5/19/2021	10.365	0.000	0.642	4.734	4.989
6/19/2021	9.476	0.000	0.773	4.962	3.741
7/19/2021	10.538	0.000	0.372	6.073	4.093
8/19/2021	14.408	0.000	1.421	8.492	4.495
9/19/2021	16.857	0.000	1.490	10.916	4.451
10/19/2021	13.802	0.000	1.902	7.784	4.116
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
Total	146.42	0.000	29.602	72.001	44.814



Date	Accountability	Unaccounted	Total Sourced	Water Sold	Flushing/ Leaks	Unbilled Water
5/19/2021	96%	0.465	10.365	9.722	0.178	0.643
6/19/2021	96%	0.332	9.476	8.966	0.178	0.510
7/19/2021	94%	0.634	10.538	9.803	0.101	0.735
8/19/2021	98%	0.355	14.408	13.579	0.474	0.829
9/19/2021	97%	0.577	16.857	16.097	0.183	0.760
10/19/2021	94%	0.885	13.802	12.760	0.157	1.042
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