



City of Montgomery

Operations Report

September 2022

08/18/22 – 09/17/22

District Alerts

08/18/2022 – Water plant 3, High level Hydro tank

Operator responded to auto dialer regarding high levels on the hydro tank. Upon arrival operator found sight glass with no air and air compressor not running in auto for new hydro tank. Operator was able to switch on switch manually for tank and all was normal. No further issues.

08/22/2022 – Water plant 3, Booster pump failure

Operator was on routine check and found the facility running in lag mode. Operator investigated and found booster pump #3 not pumping. Operator was able to isolate, and maintenance was notified, no further issues.

08/27/2022 – Lift Station 3, High wet well level

Operator responded to auto dialer regarding high wet well levels. Upon arrival operator found lift station at high levels due to heavy rainfall, pumps were unclogged, and facility equipment was reset, and service pump company was called to service pumps. No further issues were reported.

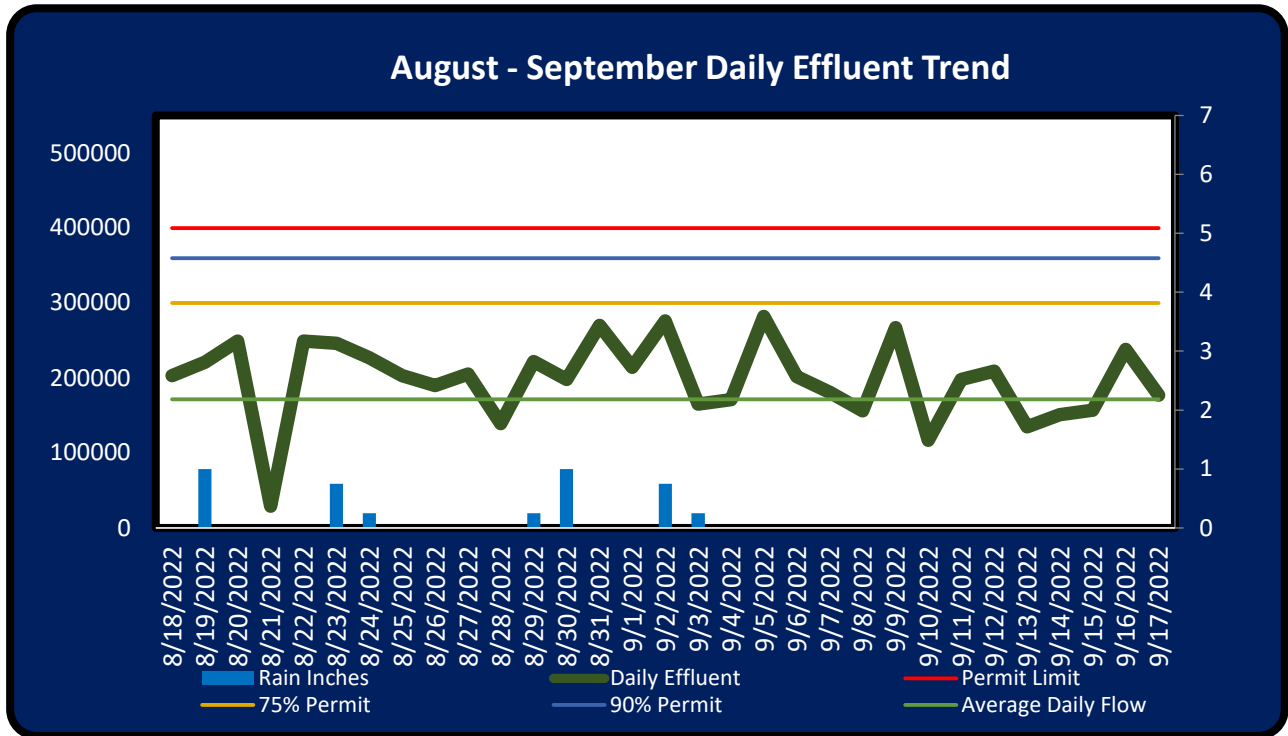
09/02/2022 – Lift Station 7, Power outage

Operator responded to auto dialer regarding possible power outage. Upon arrival operator found facility without power and facility that provides power had generator running. Electrical company was called out to investigate, no further issues.

09/13/2022 – FM 149, Sewer back up

Resident reported sewer back up on FM 149. Operator responded and determined there was a blockage, service company was called out to jet lines and blockage was cleared. No further issues.

Wastewater Plant Flow Detail



- Flow for the month of August - September was 6,147,000 gallons
- Daily peak flow was September 5, 2022 was 282,000 gallons
- Average Daily Flow 198,300 gallons
 - 3-month average flow 256,333 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	2.30	no
Average Monthly T.S.S.	15	mg/l	2.10	no
Average Monthly NH3	2	mg/l	1.03	no
Minimal CL2 Residual	1	mg/l	1.07	no
Max CL2 Residual	4	mg/l	3.92	no
Rainfall for the Month		4.25	inches	

There were no excursions for the month of September.

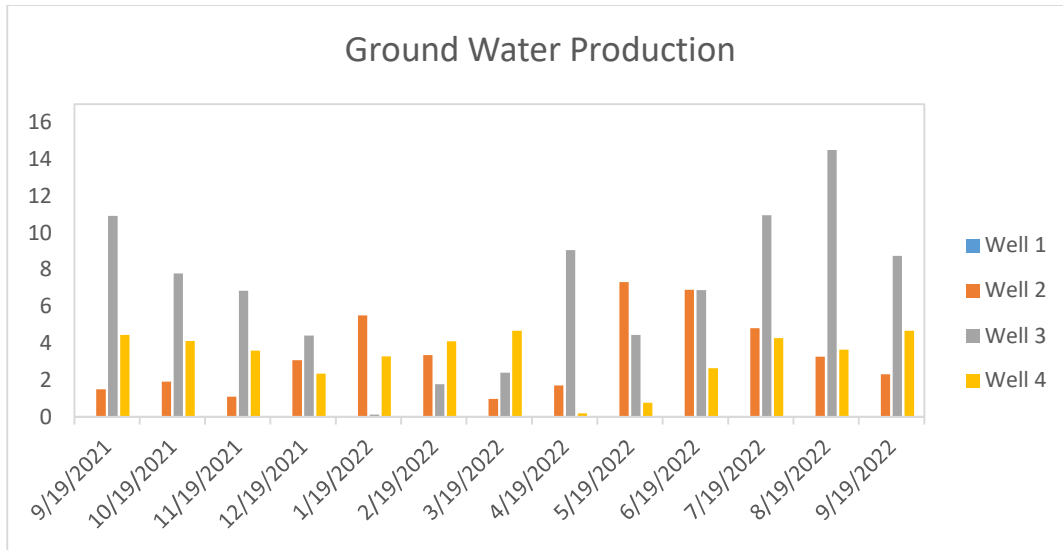
Water Report:

08/18/2022-09/17/2022

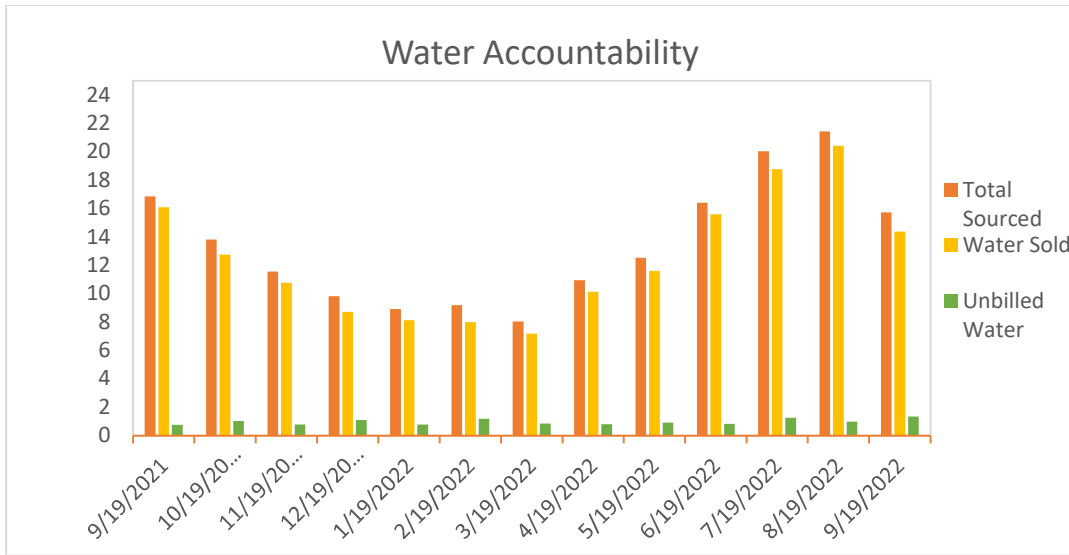
2022							
Well Name	Recorded Flow MGD	% of Total	Rating MGD/Day	YTD Pumpage MGD	YTD %	Permitted Value	Remaining Permit %
Well 2	2.306	14.67%	0.864	33.602	28.22%	92.930	1.30%
Well 3	8.734	55.58%	0.864	58.122	48.81%		
Well 4	4.675	29.75%	2.160	26.770	22.48%	90.000	70.26%
Total	15.715	100.00%	3.888	119.082	100%	182.930	
Flushing	0.293						
Subtotal	15.422						
Sold	14.364						
% Accounted	93%						

Accountability	
Total Water Sourced	15.715
Flushing	0.293
Subtotal	15.422
Sold	14.364
Accountability %	93%

CONNECTIONS	
School	12
Commercial Inside	171
Commercial Outside	2
Residential Inside	913
Residential Outside	29
Church	14
City	17
Hydrant	7
Multifamily	14
n/a	3
Total	1,182



Date	Total	Well_1	Well_2	Well_3	Well_4
AVG	13.478	0.000	3.359	6.831	3.288
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
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
Total	175.213	0.000	43.673	88.799	42.741



Date	Accountability	Unaccounted	Total Sourced	Water Sold	Flushing/ Leaks	Unbilled Water
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
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