



City of Montgomery

Operations Report

October 2022

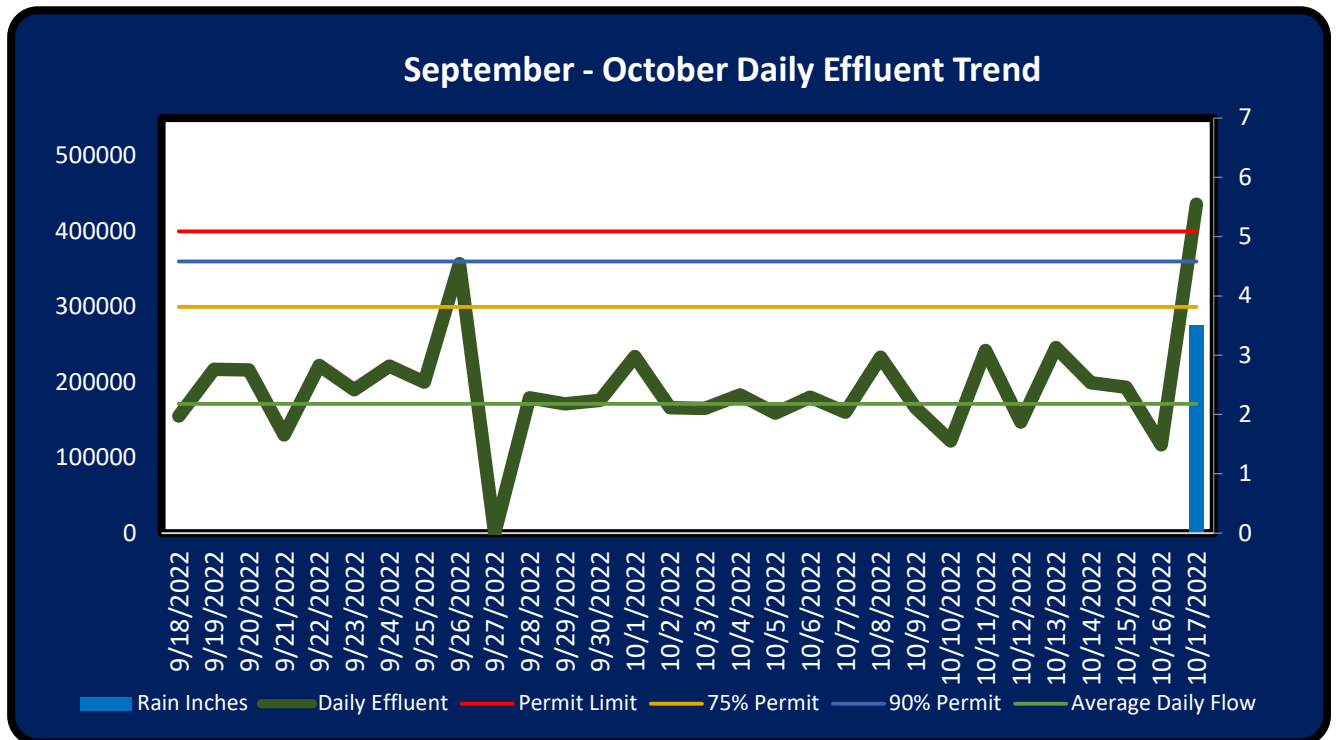
09/18/22 – 10/17/22

District Alerts

10/17/2022 – Lift station 10, High Wet Well

Operator responded to auto dialer regarding high levels. Upon arrival operator found wet well levels normal, operator reset alarms and facility equipment. No further issues.

Wastewater Plant Flow Detail



- Flow for the month of September - October was 5,782,000 gallons
- Daily peak flow was October 17, 2022 was 436,000 gallons
- Average Daily Flow 192,700 gallons
 - 3-month average flow 192,367 gallons
 - 48% 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	2.90	no
Average Monthly T.S.S.	15	mg/l	4.60	no
Average Monthly NH ₃	2	mg/l	0.36	no
Minimal CL ₂ Residual	1	mg/l	1.00	no
Max CL ₂ Residual	4	mg/l	3.92	no
Rainfall for the Month		3.50	inches	

There were no excursions for the month of October.

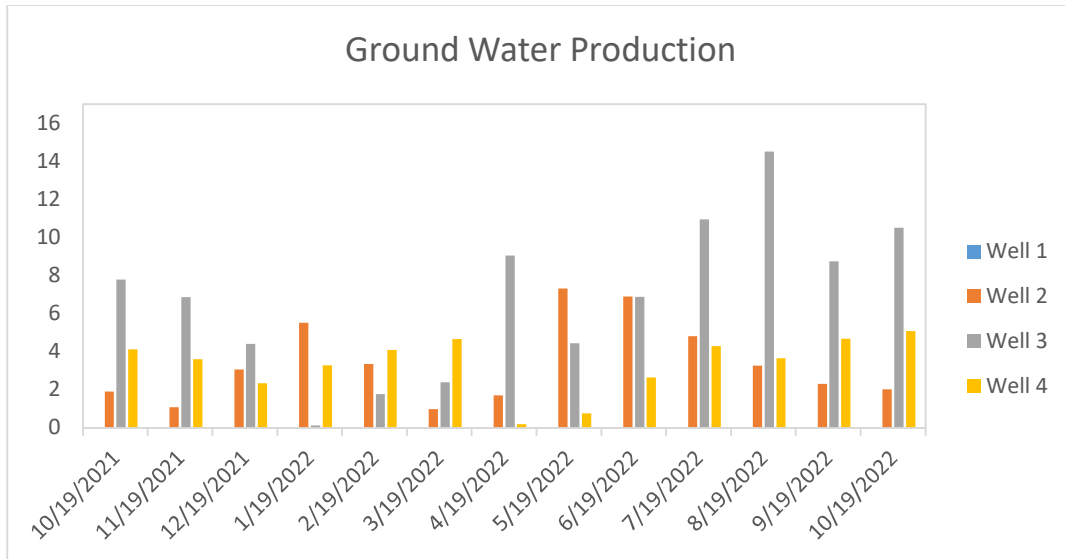
Water Report:

09/18/2022-10/17/2022

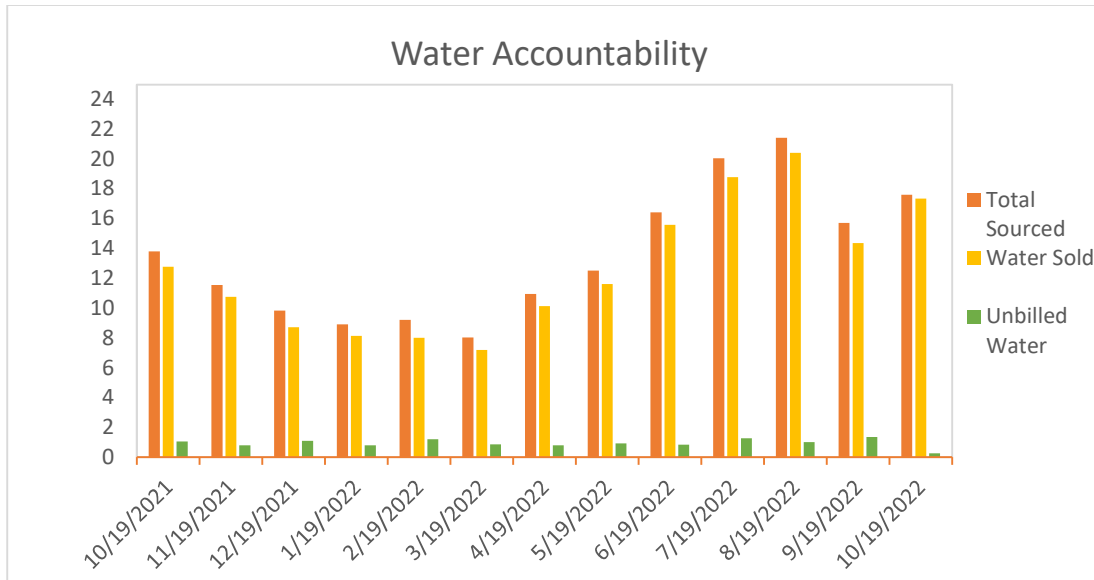
2022							
Well Name	Recorded Flow MGD	% of Total	Rating MGD/Day	YTD Pumpage MGD	YTD %	Permitted Value	Remaining Permit %
Well 2	2.024	11.50%	0.864	35.626	26.07%	92.930	-12.18%
Well 3	10.497	59.65%	0.864	68.619	50.20%		
Well 4	5.077	28.85%	2.160	31.847	23.30%	90.000	64.61%
Total	17.598	100.00%	3.888	136.680	100%	182.930	
Flushing	0.269						
Subtotal	17.329						
Sold	17.352						
% Accounted	100%						

Accountability	
Total Water Sourced	17.598
Flushing	0.269
Subtotal	17.329
Sold	17.352
Accountability %	100%

CONNECTIONS	
School	12
Commercial Inside	173
Commercial Outside	2
Residential Inside	916
Residential Outside	29
Church	14
City	17
Hydrant	7
Multifamily	14
n/a	3
Total	1,187



Date	Total	Well_1	Well_2	Well_3	Well_4
AVG	13.535	0.000	3.401	6.798	3.336
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
10/19/2022	17.598	0.000	2.024	10.497	5.077
Total	175.954	0.000	44.207	88.380	43.367



Date	Accountability	Unaccounted	Total Sourced	Water Sold	Flushing/ Leaks	Unbilled Water
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
10/19/2022	100%	-0.023	17.598	17.352	0.269	0.246