



# **City of Montgomery**

## **Operations Report**

**July 2022**

**06/18/22 – 07/17/22**

## **District Alerts**

### **06/20/2022— Well 4, Well failure**

Operator responded to auto dialer call out regarding well failure. Upon arrival found that well had not primed and operator reset facility equipment and was unable to bring well back to normal. Contractor was called to investigate and determined well 3 was tied to well 4 alarm, they were able to rest well 3 equipment, no further issues.

### **06/24/2022— Water plant 3 & 4, Well 3 Tripped at overload**

Operator responded to auto dialer regarding well #4 failure and well #3 tripped. Upon arrival operator found well #3 tripped at overload. Operator reset and monitored facility equipment, no further issues.

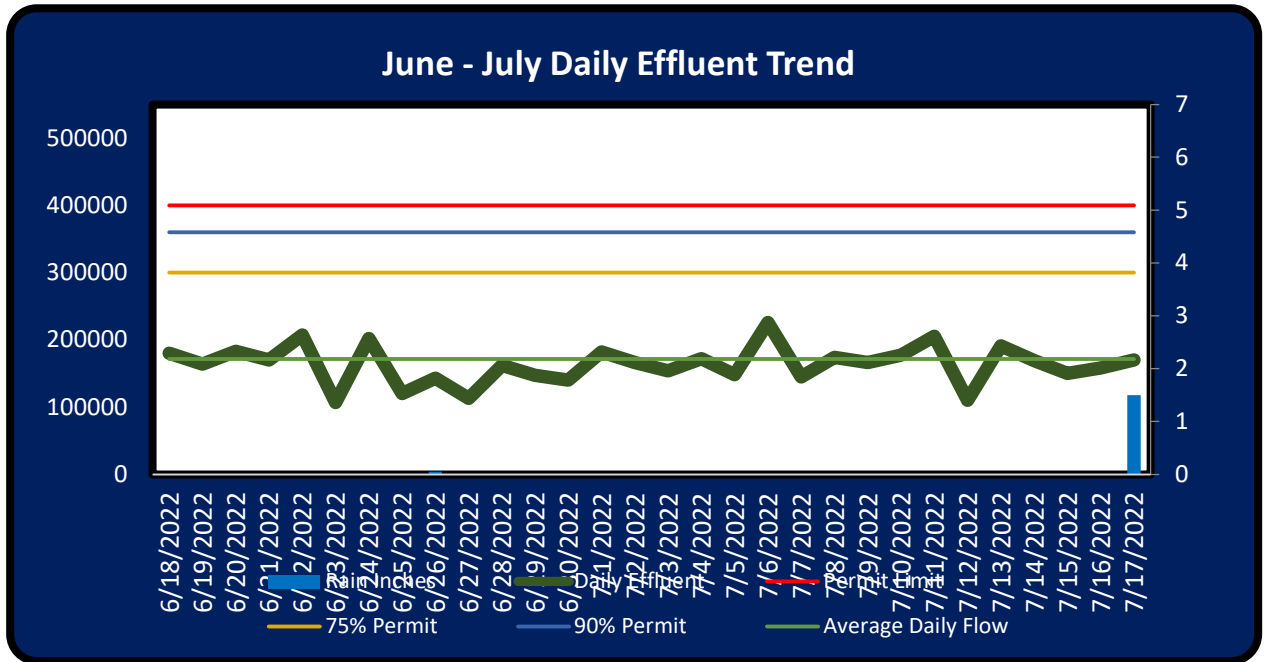
### **06/24/2022 – Water plant 3, New Hydro Pressure Tank being put online**

Operator investigated issue with HPT being waterlogged and not calling for air compressor while being prepped to be put online. Operator contacted contractor to investigate/repair issue. Once all repairs had been made, operator was able to put Hydro Pressure tank online and monitored facility equipment, no further issues.

### **07/07/2022 – Lift Station 3, High level wet well**

Operator responded to auto dialer regarding high level wet well. Upon arrival, operator found lift pumps filled with debris and maintenance was contacted. Pumps were cleaned and alternating float was replaced, no further issues.

## Wastewater Plant Flow Detail



- Flow for the month of June – July was 4,743,000 gallons
- Daily peak flow was July 06, 2022 was 226,000 gallons
- Average Daily Flow 158,100 gallons
  - 3-month average flow 180,500 gallons
  - 40% 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 T.S.S.	15	mg/l	2.00	no
Average Monthly NH3	2	mg/l	0.41	no
Minimal CL2 Residual	1	mg/l	1.12	no
Max CL2 Residual	4	mg/l	3.95	no
Rainfall for the Month		1.55	inches	

**There were no excursions for the month of July.**

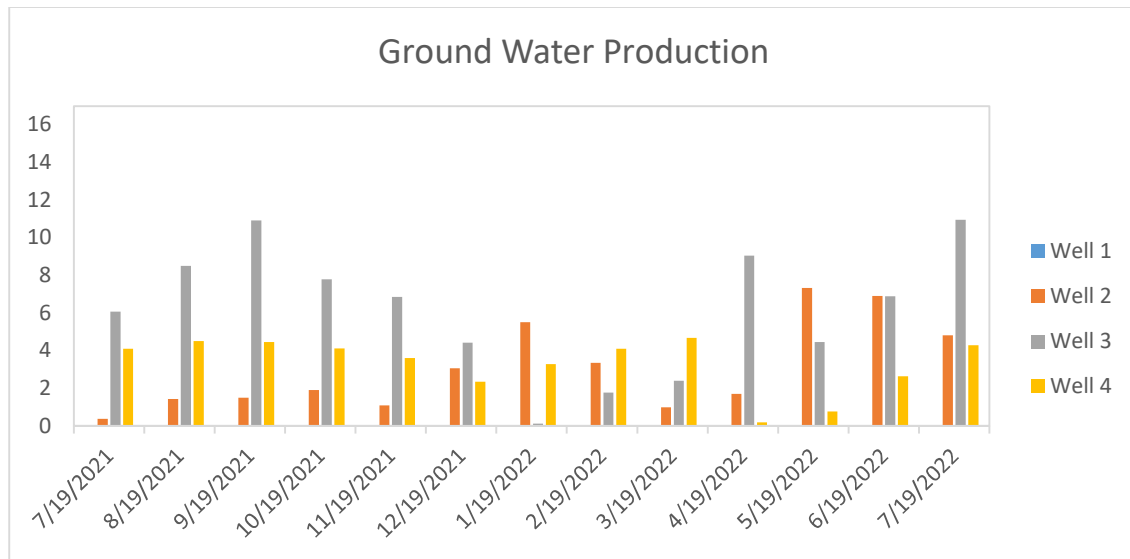
**Water Report:**

06/18/2022-07/17/2022

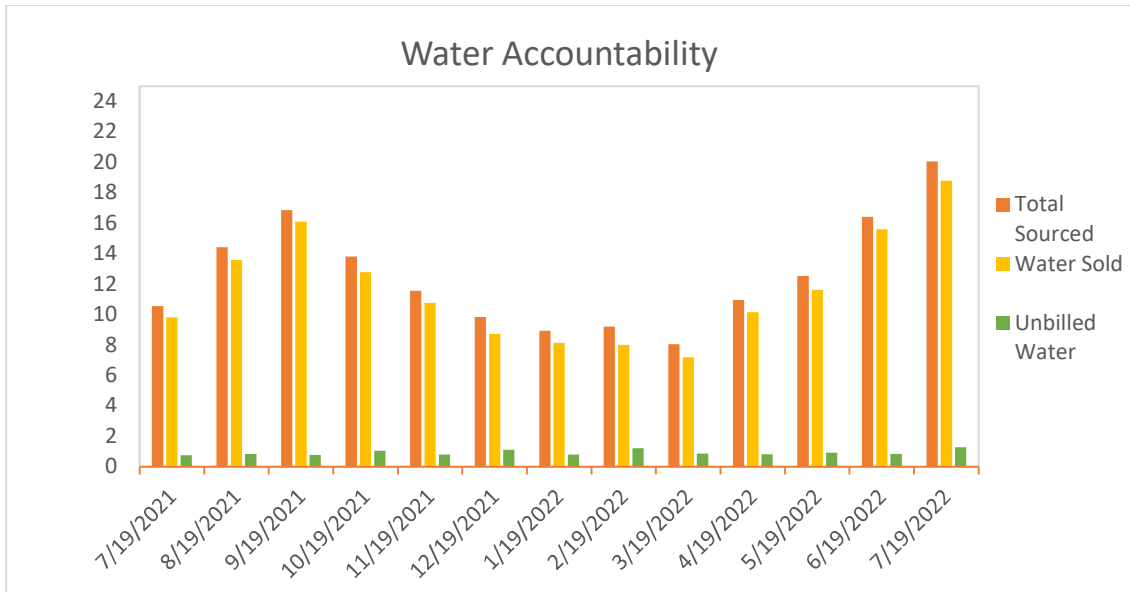
2022							
Well Name	Recorded Flow MGD	% of Total	Rating MGD/Day	YTD Pumpage MGD	YTD %	Permitted Value	Remaining Permit %
Well 2	4.814	24.02%	0.864	28.031	34.21%	92.930	32.30%
Well 3	10.944	54.61%	0.864	34.883	42.57%		
Well 4	4.281	21.36%	2.160	18.446	22.51%	90.000	79.50%
Total	20.039	100.00%	3.888	81.948	99%	182.930	
Flushing	0.488						
Subtotal	19.551						
Sold	18.777						
% Accounted	96%						

Accountability	
Total Water Sourced	20.039
Flushing	0.488
Subtotal	19.551
Sold	18.777
Accountability %	96%

CONNECTIONS	
School	12
Commercial Inside	170
Commercial Outside	2
Residential Inside	904
Residential Outside	29
Church	14
City	17
Hydrant	7
Multifamily	14
n/a	3
<b>Total</b>	<b>1,172</b>



Date	Total	Well_1	Well_2	Well_3	Well_4
AVG	12.540	0.000	3.069	6.163	3.308
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
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
Total	163.025	0.000	39.895	80.125	43.005



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