



City of Montgomery

Operations Report

August 2021

07/18/21 - 08/17/21

District Alerts

07/24/2021—Lift Station 5, Generator Running

Operator was called out to facility for generator running alarm. Upon arrival operator found facility operating on normal power with no issues.

07/26/2021—WWTP 2, Lift Station 3 & Lift Station 6, Generator Running

Operator was called out to lift station 3 for generator running alarm. Operator investigated the area and found facility running at normal levels. Lift station 6 reported phase failure, lift pump 2 is clogged with debris. Lift pump was cleaned solving issue. No other issues reported.

07/27/2021—WWTP 2, Lift Station 3 & Lift Station 6, Generator Running

Operator was notified of lift station 3 generator running alarm. Upon arrival operator found facility running on normal power. Lift station 6 reported phase failure, operator found facility running on normal power.

07/28/2021 – Lift Station 3, Lift pump 2, Clogged

Operator was called to the facility due to pump failure. Upon arrival operator found lift pump 2 clogged with debris. Pump was pulled and cleaned, no other issues reported.

07/29/2021— Low Water Pressure, 14600 Liberty

Resident reported low water pressure and poor water quality. Operator investigated issue and found residents curb stop damaged. Operator notified city personnel and had repairs made.

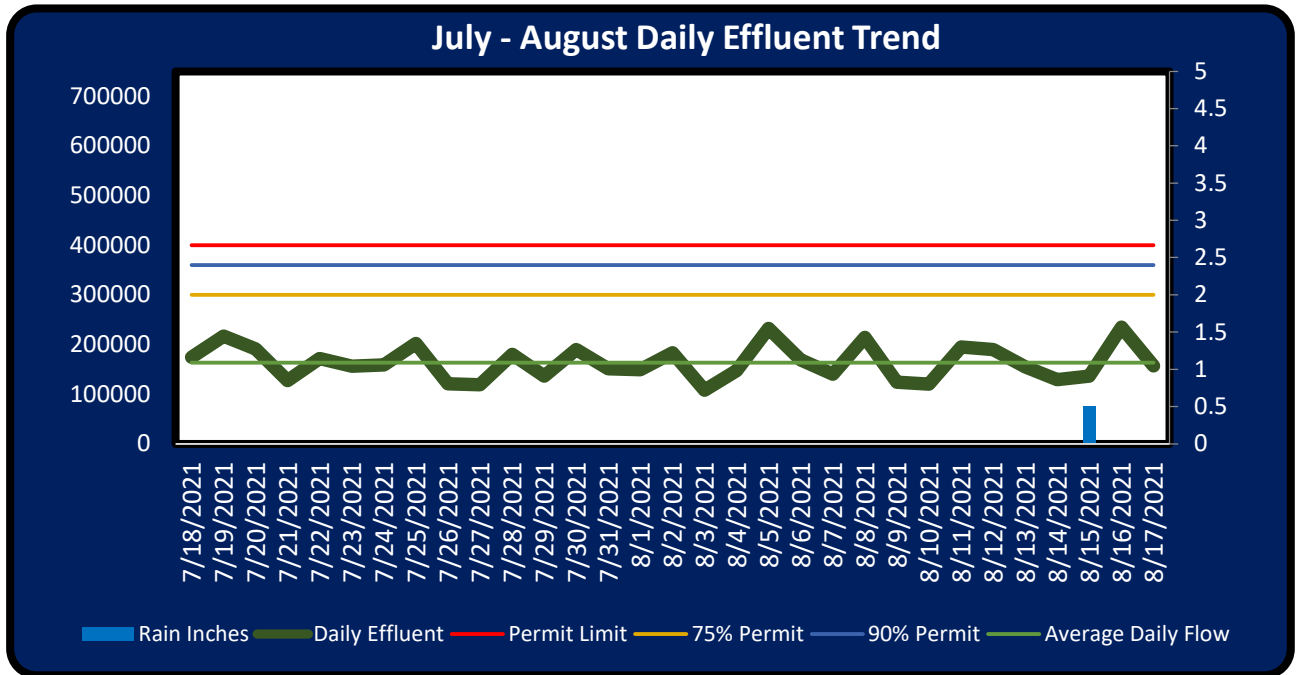
08/06/2021—Lift Station 3, Clogged Lift Pump 1

Operator found lift pump 1 clogged during regular plant check in. Operator had pump pulled and cleaned of debris. No further issues reported.

08/07/2021 – Lift Station 5, Generator Running

Operator was called out to the facility due to generator running alarm. Operator investigated issue and upon arrival found facility running on normal power.

Wastewater Plant Flow Detail



- Flow for the month of July - August was 5,078,000 gallons
- Daily peak flow August 16, 2021, was 235,000 gallons
- Average Daily Flow 163,800 gallons
 - 41% 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	2.30	no
Average Monthly NH3	2	mg/l	0.36	no
Minimal CL2 Residual	1	mg/l	1.37	no
Max CL2 Residual	4	mg/l	2.71	no
Rainfall for the Month		0.50	inches	

There were no excursions for the month of August.

Water Report

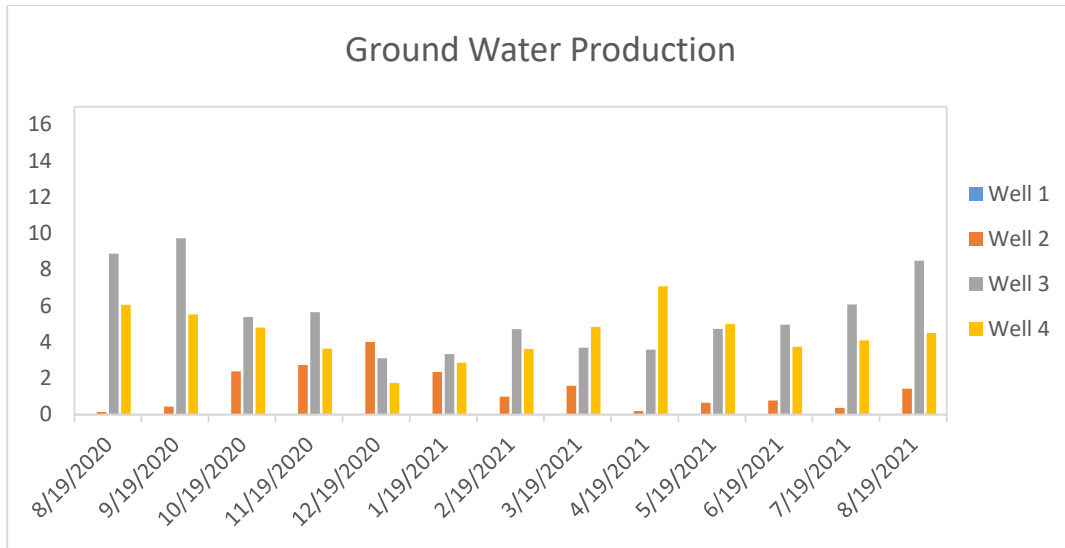
07/18/2021-08/17/2021

2021							
Well Name	Recorded Flow MGD	% of Total	Rating MGD/Day	YTD Pumpage MGD	YTD %	Permitted Value	Remaining Permit %
Well 2	1.421	9.86%	0.864	6.572	8.28%	92.930	51.70%
Well 3	8.492	58.94%	0.864	38.311	48.27%		
Well 4	4.495	31.20%	2.160	34.480	43.45%	90.000	61.69%
Total	14.408	100.00%	3.888	79.363	100%	182.930	
Flushing	0.474						
Subtotal	13.934						
Sold	13.579						
% Accounted	98%						

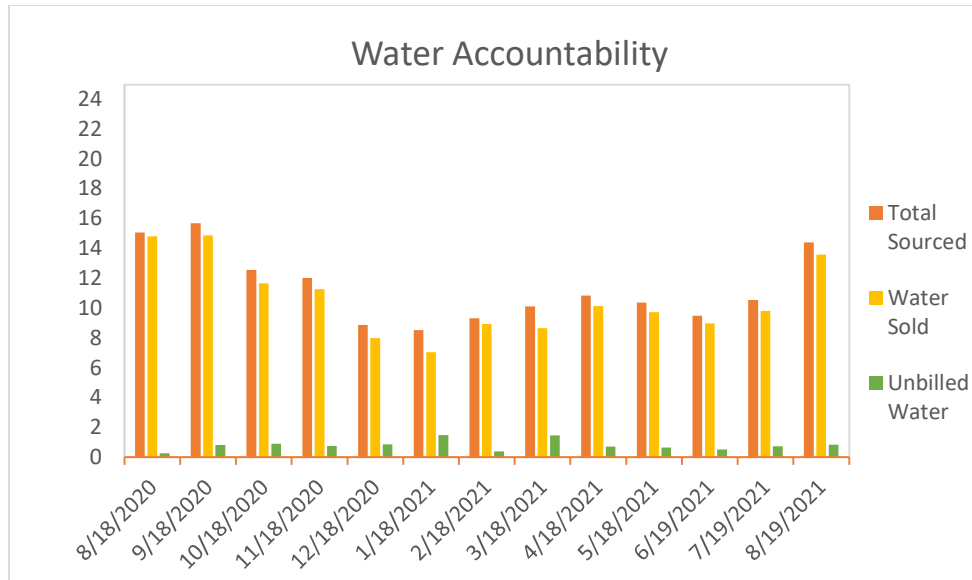
Numbers are formatted in million gallons 1.0= 1 million gallons

Accountability	
Total Water Sourced	14.408
Flushing	0.474
Subtotal	13.934
Sold	13.579
Accountability %	98%

CONNECTIONS	
School	12
Commercial Inside	166
Commercial Outside	1
Residential Inside	773
Residential Outside	29
Church	14
City	15
Hydrant	7
Multifamily	14
n/a	3
Total	1034



Date	Total	Well_1	Well_2	Well_3	Well_4
AVG	11.36	0.000	1.384	5.562	4.418
8/19/2020	15.059	0.000	0.129	8.883	6.047
9/19/2020	15.691	0.000	0.441	9.731	5.519
10/19/2020	12.546	0.000	2.380	5.374	4.792
11/19/2020	12.018	0.000	2.732	5.648	3.638
12/19/2020	8.858	0.000	4.012	3.103	1.743
1/19/2021	8.527	0.000	2.340	3.334	2.853
2/19/2021	9.314	0.000	0.987	4.712	3.615
3/19/2021	10.103	0.000	1.580	3.693	4.830
4/19/2021	10.837	0.000	0.185	3.572	7.080
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
Total	147.740	0.000	17.994	72.311	57.435



Date	Accountability	Unaccounted	Total Sourced	Water Sold	Flushing/Leaks	Unbilled Water
8/18/2020	100%	0.033	15.059	14.799	0.227	0.26
9/18/2020	99%	0.15	15.691	14.875	0.666	0.816
10/18/2020	93%	0.846	12.546	11.645	0.055	0.901
11/18/2020	95%	0.635	12.018	11.265	0.118	0.753
12/18/2020	94%	0.563	8.858	7.991	0.304	0.867
1/18/2021	96%	0.331	8.527	7.046	1.15	1.481
2/18/2021	97%	0.303	9.314	8.936	0.075	0.378
3/18/2021	94%	0.618	10.103	8.642	0.843	1.461
4/18/2021	97%	0.328	10.837	10.126	0.383	0.711
5/18/2021	96%	0.465	10.365	9.722	0.178	0.643
6/19/2021	95%	0.483	9.476	8.966	0.027	0.51
7/19/2021	95%	0.557	10.538	9.803	0.178	0.735
8/19/2021	98%	0.355	14.408	13.579	0.474	0.829