



City of Montgomery

Operations Report

May 2021

04/18/21 - 05/17/21

District Alerts

04/24/2021 – Lift Station 5, Generator Running

Operator was called out to facility for generator running. Operator investigated the, found the generator off and normal power at the facility.

04/30/2021 – LS1, LS2, LS5 and LS6, High Wet Well Level

Operator was notified of high wet well level at the facilities due to the recent storm in the area. Operator reset equipment, no further issues.

05/01/2021 – Lift Station 2, Seal Failure

Operator was called out to facility for seal failure. Operator investigated the area and found alarm on. Operator reset equipment and no further issue.

05/04/2021 – Lift Station 4, Sewer Back Up

Operator was notified of sewer back up. Operator investigated issue and found manhole overflowing. The sewer lines were jetted to clear blockage. No further issues reported.

05/04/2021 – Lift Station 3, Generator Running

Operator was called out to the facility for a generator running alarm. Operator investigated the area and found Entergy making repairs to electric lines. After repairs were made power was restored to the lift station.

05/09/2021 – Lift Station 3, Generator Running

Operator was called out to facility for generator running. Operator investigated the area and found facility on normal power. Operator reset equipment, no further issues reported.

05/12/2021 – WWTP, Generator Running

Operator was called out to the facility due to a generator running alarm. Upon arrival operator found the plant on normal power. Operator reset equipment, no further issues.

05/12/2021 – Sewer Back Up, 20821 Eva St.

Operator was notified of a sewer back up. Operator investigated issue and found sewer lines clear. Operator notified resident issue was on their end. No further issues reported.

05/14/2021 – Lift Station 3, Generator Running

Operator was called out to the facility for a generator running alarm. Operator investigated the area and found the plant on normal power, alarm was likely due to a recent power surge in the area. Operator reset equipment, no further issues reported.

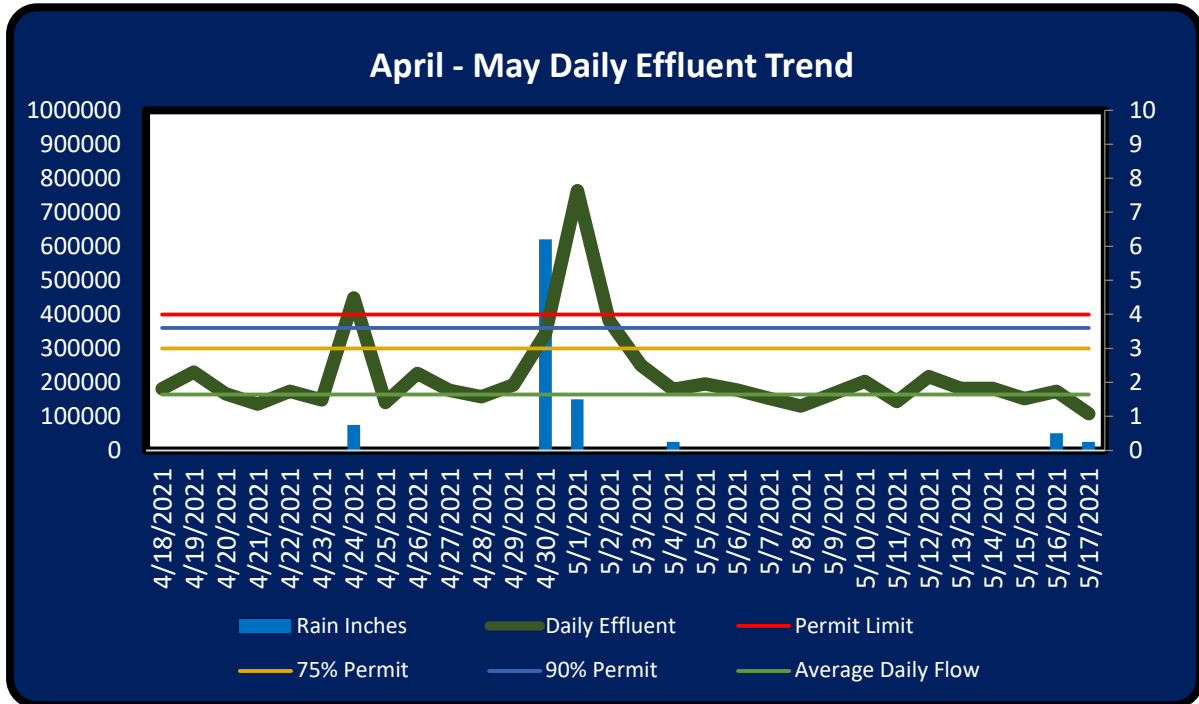
05/15/2021 – Lift Station 3, Over Temperature

Operator was called out to facility due to over temperature alarm. Operator investigated the area and found Lift Pump 1 running but not pumping, and Lift Pump 2 tripped at overload. The pumps were pulled and cleaned of debris. No further issues reported.

05/17/2021 – Lift Station 2, VFD failure

Operator was notified of VFD failure at the facility. Upon arrival operator found VFD alarm on and high wet well. Operator reset equipment, no further issues.

Wastewater Plant Flow Detail



- Flow for the month of April – May was 6,475,000 gallons
- Daily peak flow May 1, 2021 was 764,000 gallons
- Average Daily Flow 215,900 gallons
 - 54% 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	4.70	no
Average Monthly NH3	2	mg/l	0.37	no
Minimal CL2 Residual	1	mg/l	1.04	no
Max CL2 Residual	4	mg/l	3.78	no
Rainfall for the Month		9.45	inches	

There were no excursions for the month of May.

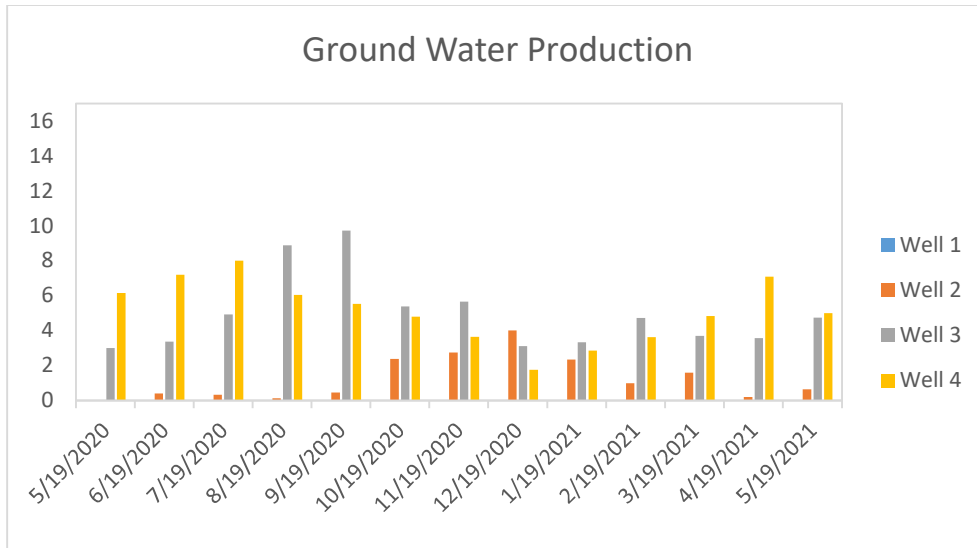
Water Report

04/18/2021-05/17/2021

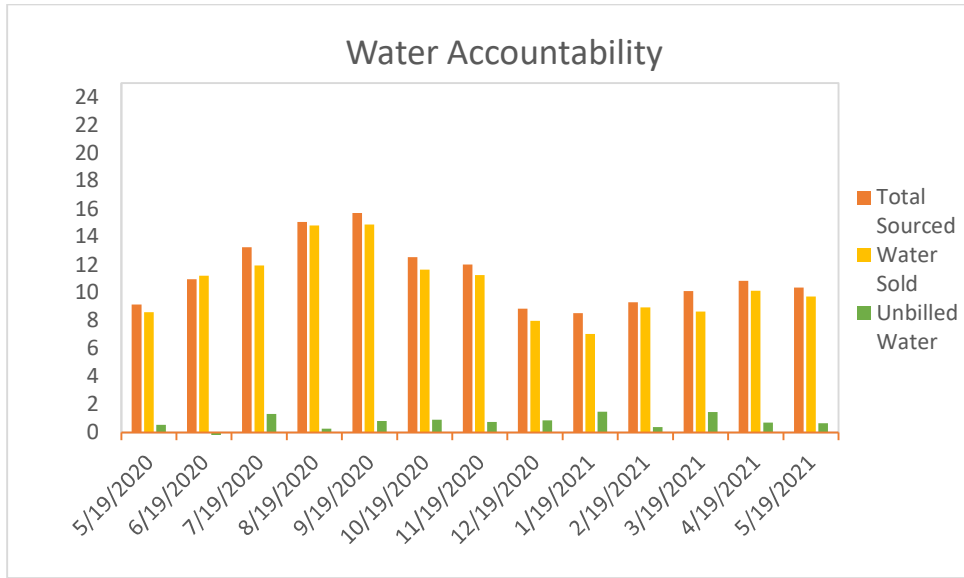
2021							
Well Name	Recorded Flow MGD	% of Total	Rating MGD/Day	YTD Pumpage MGD	YTD %	Permitted Value	Remaining Permit %
Well 2	0.642	6.19%	0.864	4.006	8.91%	92.930	75.48%
Well 3	4.734	45.67%	0.864	18.784	41.80%		
Well 4	4.989	48.13%	2.160	22.151	49.29%	90.000	75.39%
Total	10.365	100.00%	3.888	44.941	100%	182.930	
Flushing	0.178						
Subtotal	10.187						
Sold	9.722						
% Accounted	96%						

Accountability	
Total Water Sourced	10.365
Flushing	0.178
Subtotal	10.187
Sold	9.722
Accountability %	96%

CONNECTIONS	
School	12
Commercial Inside	164
Commercial Outside	1
Residential Inside	765
Residential Outside	29
Church	14
City	15
Hydrant	7
Multifamily	14
n/a	3
Total	1024



Date	Total	Well_1	Well_2	Well_3	Well_4
AVG	11.28	0.000	1.242	4.929	5.112
5/19/2020	9.146	0.000	0.000	2.995	6.151
6/19/2020	10.96	0.000	0.398	3.371	7.191
7/19/2020	13.246	0.000	0.315	4.927	8.004
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
Total	146.67	0.000	16.141	64.077	66.452



Date	Accountability	Unaccounted	Total Sourced	Water Sold	Flushing/Leaks	Unbilled Water
5/19/2020	96%	0.325	9.146	8.599	0.222	0.547
6/19/2020	104%	-0.413	10.960	11.215	0.158	-0.255
7/19/2020	92%	1.098	13.246	11.931	0.217	1.315
8/19/2020	100%	0.033	15.059	14.799	0.227	0.260
9/19/2020	99%	0.150	15.691	14.875	0.666	0.816
10/19/2020	93%	0.846	12.546	11.645	0.055	0.901
11/19/2020	95%	0.635	12.018	11.265	0.118	0.753
12/19/2020	94%	0.563	8.858	7.991	0.304	0.867
1/19/2021	96%	0.331	8.527	7.046	1.150	1.481
2/19/2021	97%	0.303	9.314	8.936	0.075	0.378
3/19/2021	94%	0.618	10.103	8.642	0.843	1.461
4/19/2021	97%	0.328	10.837	10.126	0.383	0.711
5/19/2021	96%	0.465	10.365	9.722	0.178	0.643