



City of Montgomery

Operations Report

February 2022

01/18/22 – 02/17/22

District Alerts

01/21/2022—Lift Station 13, High run times

Operator was called out to facility for lift pump 2 having high run times. Operator investigated the issue and found the check valves had frozen and pump needed to be cleaned. Repairs were made.

01/21/2022 – Lift Station 3, Lift Pump 1

During regular facility check-in operator found lift pump 1 had ragged up with debris. Lift pump was pulled and cleaned. No further issues.

01/24/2022—Water Plant 2, Chlorine System

Upon arrival operator found facility not feeding chlorine. Operator investigated the area and found a bad check valve. Operator replaced valve and no further issues were reported.

01/28/2022—Lift Station 3, Clogged Pumps

During regular facility check in, operator noticed lift pumps vibrating heavily. Both pumps were clogged with debris and were cleaned of debris.

01/28/2022—Lift Station 4, Pumps Air Locked

During regular facility check in, operator noticed lift pump 1 air locked. Maintenance was notified to replace check valves.

01/28/2022—Leak Reported, Corner of Lonestar Pkwy and Plez Morgan

Field Technician reported a leak coming from threads of galvanized blow off during routine flushing. City was notified to make repairs.

01/29/2022—Water Plant 3

Upon arrival operator found the saddle for phosphate leaking. Operator tightened bolts and no further issues were reported.

01/31/2022—Lift Station 13, High run times

Operator found lift pump 1 with high run times and clogged with debris. Lift pump 1 was pulled and cleaned of debris. Facility back online.

02/03/2022— Water Plant 3, High level Storage Tank

Operator was called out to facility due to high level. Operator investigated the issue and reset facility equipment. No further issues.

02/05/2022— WWTP1, Power outage

Operator was called out to facility due to blower 1 sending surge alert. Operator investigated the issue and reset facility equipment. No further issues, call out due to a possible power outage.

02/06/2022—Leak Reported, 20998 Eva Street

Resident reported a leak in-front of business. Technician investigated the issue and found the backflow preventor leaking. Resident was notified this will be an issue they will need to take care of.

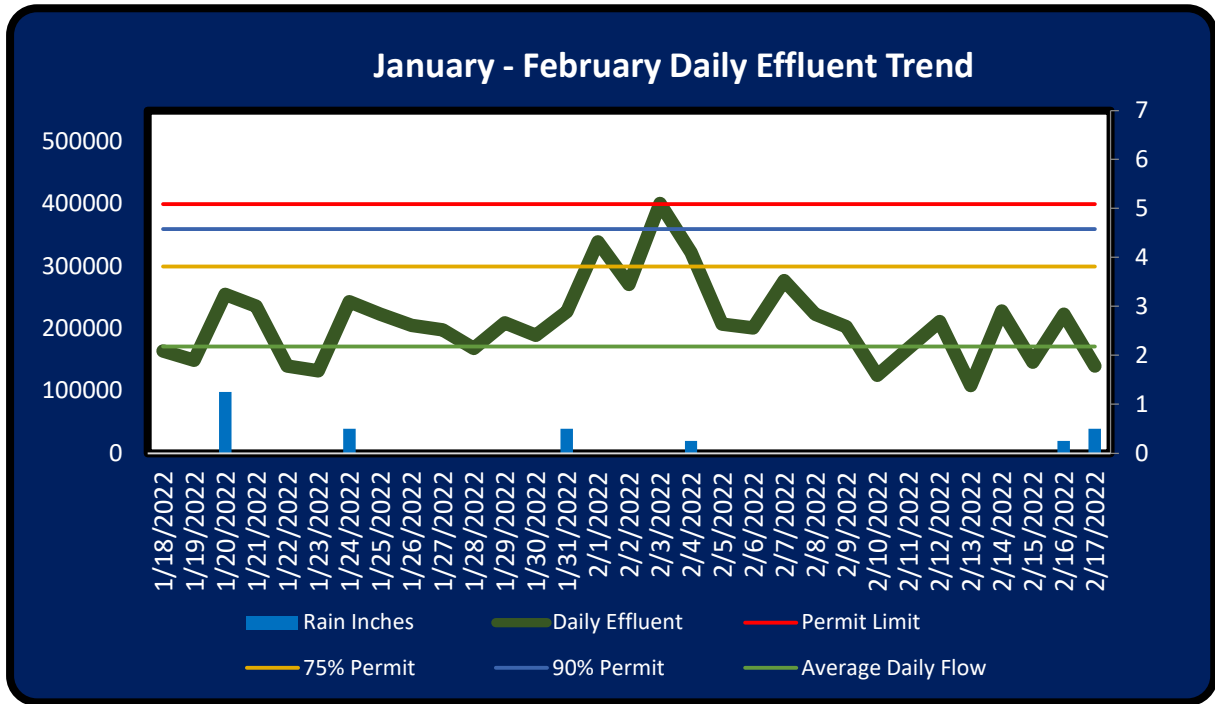
02/07/2022— Lift Station 10, High level

Operator was called out to facility due to high wet well, call out due to a power surge in the area. Operator investigated the issue and reset facility equipment. No further issues.

02/10/2022—Lift Station 3, Clogged Pumps

During regular facility check in, operator noticed lift pumps vibrating heavily. Both pumps were clogged with debris and were cleaned of debris.

Wastewater Plant Flow Detail



- Flow for the month of January - February was 6,532,000 gallons
- Daily peak flow was February 2, 2022 was 401,000 gallons
- Average Daily Flow 210,700 gallons
 - 3-month average flow 184,466 gallons
 - 53% 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	2.10	no
Average Monthly NH3	2	mg/l	0.54	no
Minimal CL2 Residual	1	mg/l	1.42	no
Max CL2 Residual	4	mg/l	3.88	no
Rainfall for the Month		3.25	inches	

There were no excursions for the month of February.

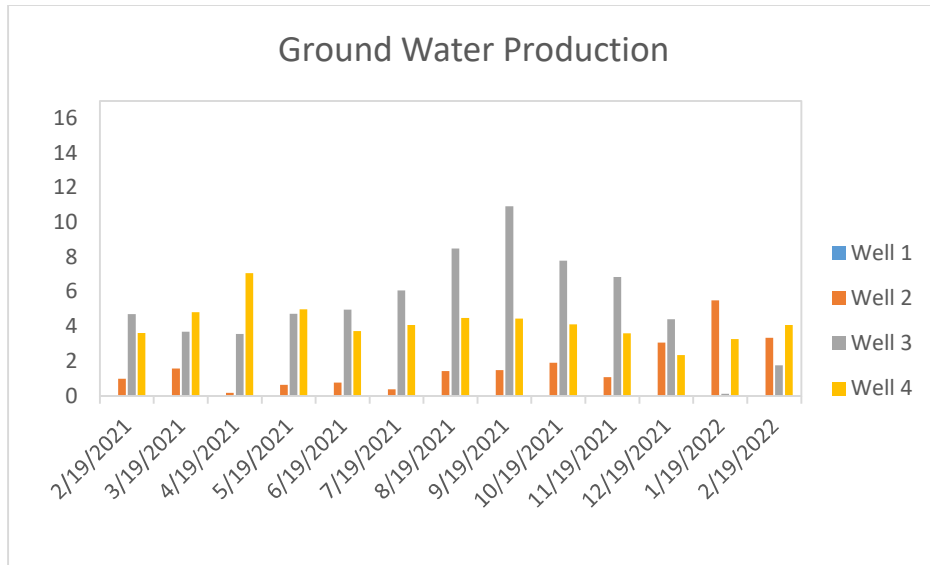
Water Report:

01/18/2022-02/17/2022

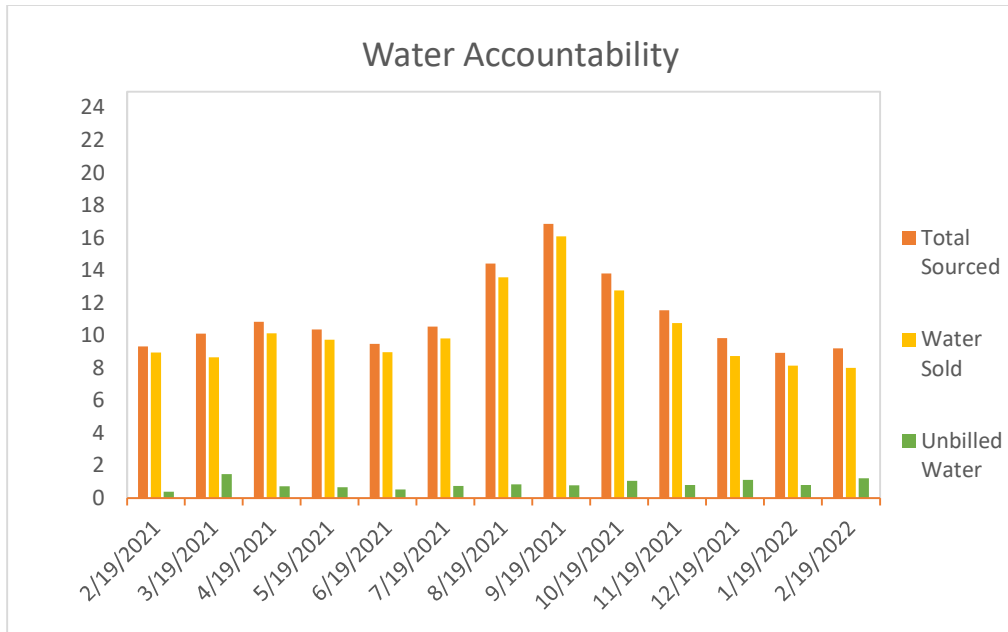
2022							
Well Name	Recorded Flow MGD	% of Total	Rating MGD/Day	YTD Pumpage MGD	YTD %	Permitted Value	Remaining Permit %
Well 2	3.343	36.34%	0.864	6.329	45.18%	92.930	91.29%
Well 3	1.764	19.17%	0.864	1.764	12.59%		
Well 4	4.093	44.49%	2.160	5.915	42.23%	90.000	93.43%
Total	9.200	100.00%	3.888	14.008	100%	182.930	
Flushing	1.435						
Subtotal	7.765						
Sold	8.002						
% Accounted	103%						

Accountability	
Total Water Sourced	9.200
Flushing	1.435
Subtotal	7.765
Sold	8.002
Accountability %	103%

CONNECTIONS	
School	12
Commercial Inside	172
Commercial Outside	1
Residential Inside	851
Residential Outside	29
Church	14
City	15
Hydrant	7
Multifamily	14
n/a	3
Total	1118



Date	Total	Well_1	Well_2	Well_3	Well_4
AVG	11.12	0.000	1.720	5.238	4.210
2/19/2021	8.527	0.000	0.987	4.712	3.615
3/19/2021	9.314	0.000	1.580	3.693	4.830
4/19/2021	10.103	0.000	0.185	3.572	7.080
5/19/2021	10.837	0.000	0.642	4.734	4.989
6/19/2021	10.365	0.000	0.773	4.962	3.741
7/19/2021	9.476	0.000	0.372	6.073	4.093
8/19/2021	10.538	0.000	1.421	8.492	4.495
9/19/2021	14.408	0.000	1.490	10.916	4.451
10/19/2021	16.857	0.000	1.902	7.784	4.116
11/19/2021	13.802	0.000	1.088	6.855	3.602
12/19/2021	11.545	0.000	3.066	4.41	2.343
1/19/2022	9.819	0.000	5.511	0.124	3.281
2/19/2022	8.916	0.000	3.343	1.764	4.093
Total	144.51	0.000	22.36	68.091	54.729



Date	Accountability	Unaccounted	Total Sourced	Water Sold	Flushing/Leaks	Unbilled Water
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
6/19/2021	96%	0.332	9.476	8.966	0.178	0.510
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	0.39	0.791
2/19/2022	103%	-0.237	9.200	8.002	1.435	1.198