



# **City of Montgomery**

## **Operations Report**

**April 2022**

**03/18/22 – 04/17/22**

## **District Alerts**

### **03/21/2022— Lift Station 3, Lift Pumps**

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

### **03/25/2022 – WWTP1, Phase and Blower failure**

Operator was called out to facility due auto dialer calling out for Lift Station 6 phase failure and blower failure. Operator investigated the issue and reset facility equipment. No further issues, call out due to a possible power outage.

### **03/30/2022— WWTP1, Phase failure**

Operator was called out to facility due auto dialer calling out for Lift station 6 phase failure. Operator investigated the issue and reset facility equipment. No further issues.

### **04/05/2022—Water Plant 3, Low level**

Upon arrival operator found facility at low level. Operator investigated the area and found well tripped at overload and reset equipment. No further issues were reported.

### **04/06/2022— Lift Station 2, High wet well**

Operator was called out to facility due high wet well. Upon arrival operator found generator off and well at normal level and reset facility equipment. No further issues found.

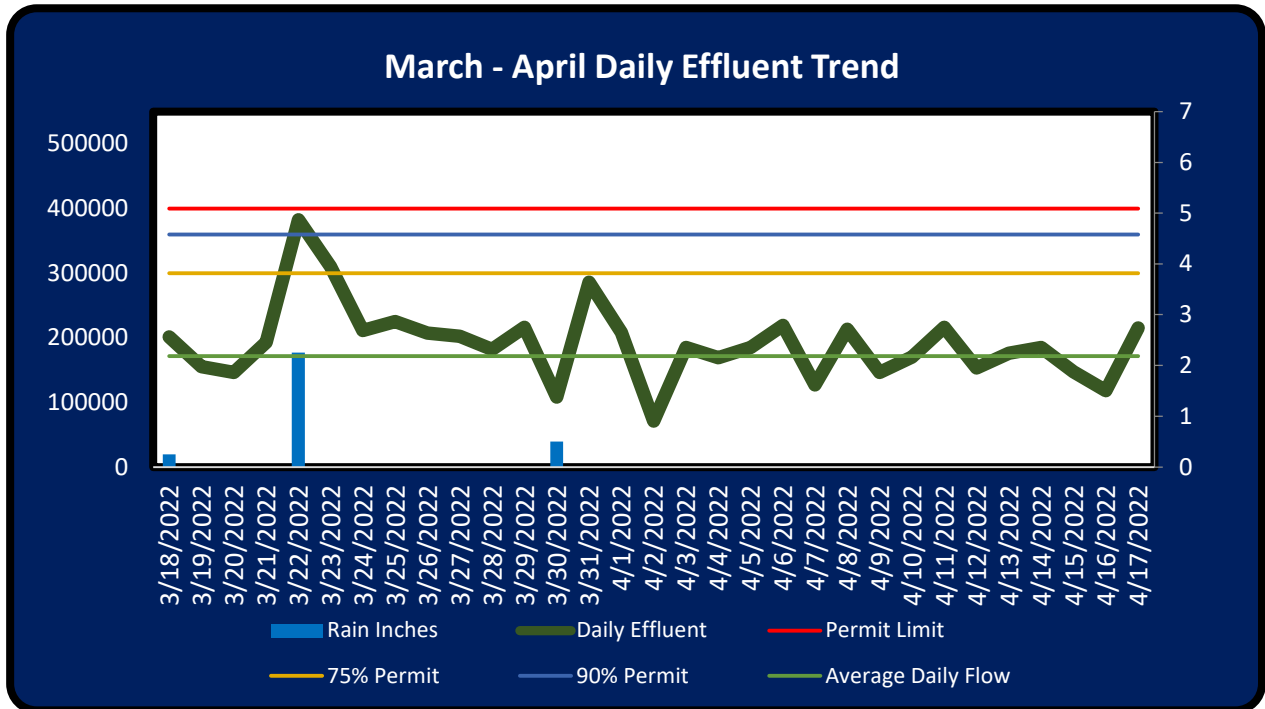
### **04/10/2022— WWTP1, Power failure**

Operator was called out to facilities due to power outage. Entergy was notified and made us aware of an issue on their end. The facilities were restored with power and no further issues reported.

### **04/16/2022— WWTP1, Generator**

Operator was called out to facility due to auto dialer calling out for generator running. Operator investigated and confirmed facility was running normal. No further issues found.

**Wastewater Plant Flow Detail**



- Flow for this period was 5,928,000 gallons
- Daily peak flow was March 22, 2022 was 383,000 gallons
- Average Daily Flow 191,200 gallons
  - 3-month average flow 196,233 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 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	3.30	no
Average Monthly NH3	2	mg/l	0.55	no
Minimal CL2 Residual	1	mg/l	1.78	no
Max CL2 Residual	4	mg/l	3.97	no
Rainfall for the Month		3.00	inches	

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

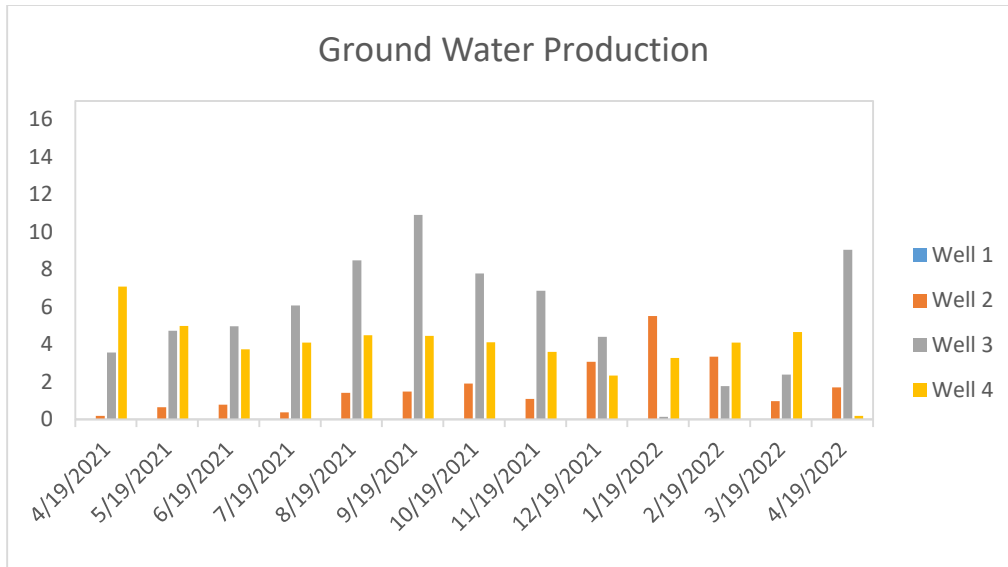
**Water Report:**

03/18/2022-04/17/2022

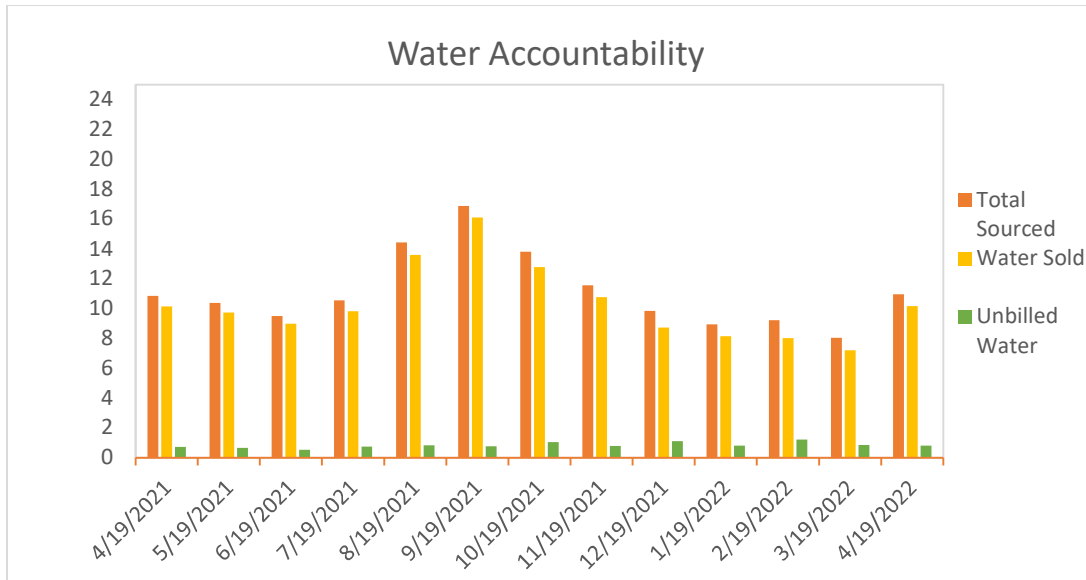
2022							
Well Name	Recorded Flow MGD	% of Total	Rating MGD/Day	YTD Pumpage MGD	YTD %	Permitted Value	Remaining Permit %
Well 2	1.699	15.53%	0.864	9.005	27.30%	92.930	76.73%
Well 3	9.048	82.72%	0.864	12.618	38.26%		
Well 4	0.191	1.75%	2.160	10.771	32.66%	90.000	88.03%
Total	10.938	100.00%	3.888	32.982	98%	182.930	
Flushing	0.351						
Subtotal	10.587						
Sold	10.140						
% Accounted	96%						

Accountability	
Total Water Sourced	10.938
Flushing	0.351
Subtotal	10.587
Sold	10.140
Accountability %	96%

CONNECTIONS	
School	12
Commercial Inside	172
Commercial Outside	1
Residential Inside	877
Residential Outside	29
Church	14
City	15
Hydrant	7
Multifamily	14
n/a	3
<b>Total</b>	<b>1144</b>



Date	Total	Well_1	Well_2	Well_3	Well_4
AVG	11.130	0.000	1.728	5.471	3.934
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
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
Total	144.74	0.000	22.469	71.128	51.140



Date	Accountability	Unaccounted	Total Sourced	Water Sold	Flushing/ Leaks	Unbilled Water
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	0.390	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