



City of Montgomery

Operations Report

March 2021

02/18/21 - 03/17/21

Dear City of Montgomery Council Members:

We are pleased to provide you with the monthly operations report. This report summarizes the major events that occurred during the operating month. Our mission, as always, is to assist the district in providing safe and reliable water to the residents.

The water plants, wastewater plant and drinking water quality is checked on a daily basis. Wastewater collection system lift stations are checked three times a week. Alarms are monitored, and our staff is on 24-hour call. Our construction crews are minutes away from the City.

Our operators collect and enter all facility data into Kardia. Our operators note any issues or problems that are observed during the day. Mission Control is instantly aware of the issue and immediately begins the resolution process. This approach benefits our clients because decisions can be made based on relevant data.

All the district's data can be accessed on-line. The data is username and password protected. The data is integrated with Kardia and updated daily. District alerts that are generated by Kardia can be sent to board designated recipients. H2O Innovation appreciates the trust and confidence that the board has in our team. We work diligently to provide our clients with accurate and useful information.

Michael Williams



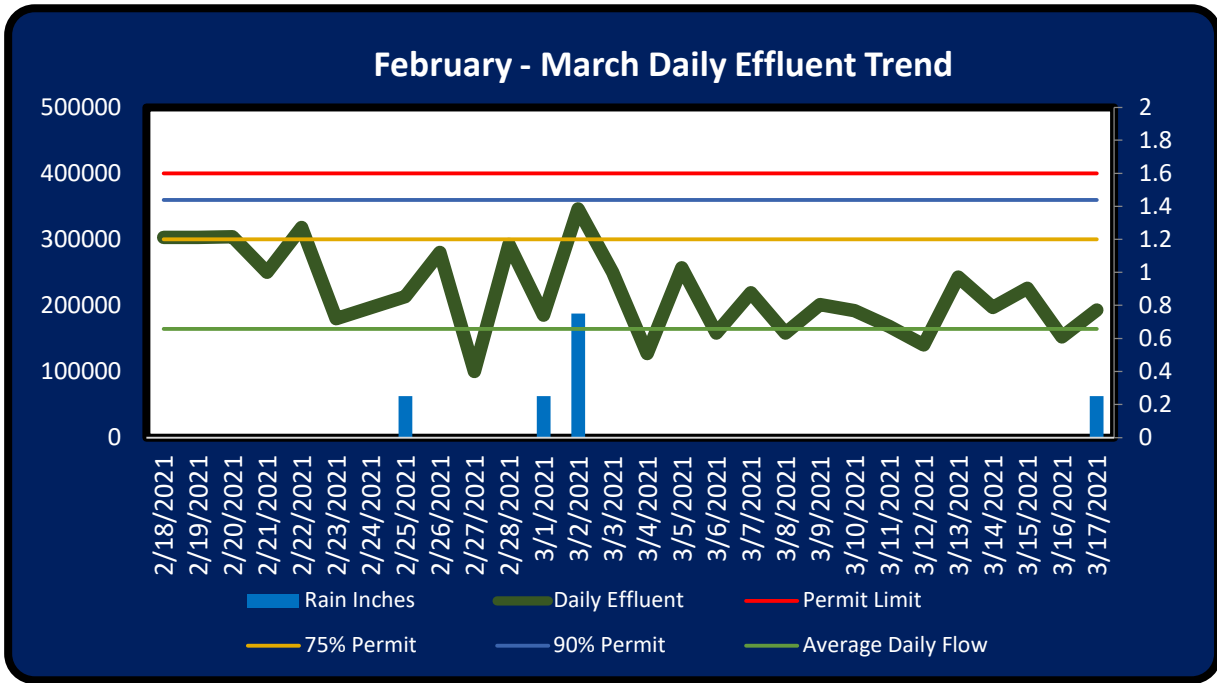
Vice President
H2O Innovation

District Alerts

02/27/2021 – WP 2, Leak on Well Header.

Upon arrival operator found a leak on the well header. Operator investigated issue; the air release valve was replaced. No further issues.

Wastewater Plant Flow Detail



- Flow for the month of February – March was 7,082,000 gallons
- Daily peak flow March 2, 2021 was 346,000 gallons
- Average Daily Flow 228,500 gallons
 - 57% 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	3.80	no
Average Monthly NH3	2	mg/l	0.42	no
Minimal CL2 Residual	1	mg/l	1.07	no
Max CL2 Residual	4	mg/l	3.85	no
Rainfall for the Month		1.50	inches	

There were no excursions for the month of March.

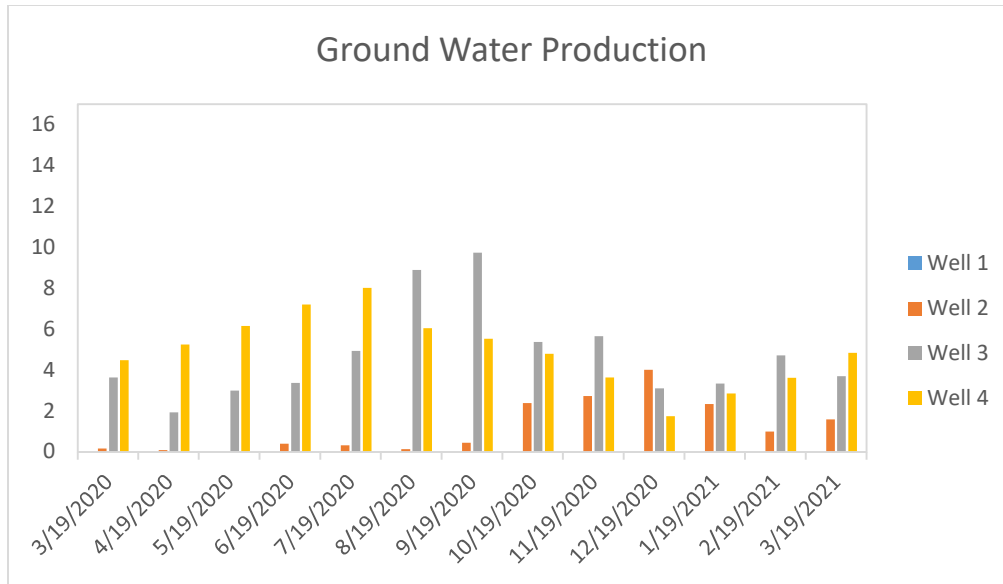
Water Report

02/18/2021-03/17/2021

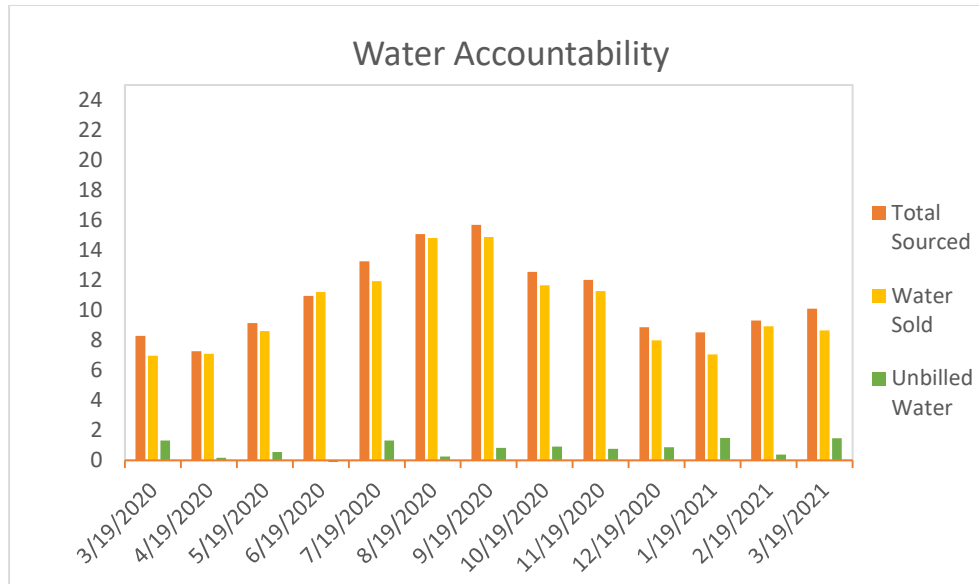
2021							
Well Name	Recorded Flow MGD	% of Total	Rating MGD/Day	YTD Pumpage MGD	YTD %	Permitted Value	Remaining Permit %
Well 2	1.580	15.64%	0.864	3.179	13.39%	92.930	85.30%
Well 3	3.693	36.55%	0.864	10.478	44.14%		
Well 4	4.830	47.81%	2.160	10.082	42.47%	90.000	88.80%
Total	10.103	100.00%	3.888	23.739	100%	182.930	
Flushing	0.843						
Subtotal	9.260						
Sold	8.642						
% Accounted	94%						

Accountability	
Total Water Sourced	10.103
Flushing	0.843
Subtotal	9.260
Sold	8.642
Accountability %	94%

CONNECTIONS	
School	12
Commercial Inside	162
Commercial Outside	1
Residential Inside	752
Residential Outside	29
Church	14
City	15
Hydrant	6
Multifamily	14
n/a	3
Total	1008



Date	Total	Well_1	Well_2	Well_3	Well_4
AVG	10.85	0.000	1.197	4.718	4.932
3/19/2020	8.276	0.000	0.163	3.632	4.481
4/19/2020	7.259	0.000	0.083	1.929	5.247
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
Total	141	0.000	15.56	61.332	64.111



Date	Accountability	Unaccounted	Total Sourced	Water Sold	Flushing/ Leaks	Unbilled Water
3/19/2020	97%	0.246	8.276	6.962	1.068	1.314
4/19/2020	100%	-0.017	7.259	7.084	0.192	0.175
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