



Senna Hills Municipal Utility District
General Managers Report for the Month of
July 2021
Board Meeting: August 27th, 2021

Reviewed By: Kristi Hester
Date: 8.20.21



14050 Summit Drive, #103 Austin, TX 78728
United States
T: +1 512 246 0498
www.inframark.com

Memorandum for: Senna Hills MUD Board of Directors

From: Kristi Hester

Date: 8.20.21

Subject: General Manager's Executive Summary Report

Below is a summary of activities since the last board meeting:

1) Wastewater Treatment Plant

- a) 2,448,000 gallons of wastewater treated for the month of July.
- b) 79,000 gallons average daily flow for the month of July at 79% plant capacity.
- c) All facilities are in compliance for the month of July.
- d) Replaced diffuser valve #2 motor.
- e) Repaired CL2 vent line.
- f) Performed PM on poly chemical system, drum screens and blowers.
- g) Repaired leak on re-use system near gate.

2) Distribution System – Billing

- a) Water accountability this month 72% - refer to chart for details.
- b) Daily Max 476,000 on Friday July 30th.
- c) Remaining AML meters are being installed the week of August 16th.
- d) Water Irrigation signs should be installed prior to Board Meeting.

3) Collection System

- a) On August 16th we had a power interruption which cause a overflow at LS3 Senna Hills.

4) Drainage/Ponds

- a) Pond inspection reports conducted July 6th.
- b) Pool construction at 1808 Gaillardia found a drainage pipe while excavating.
- c) Section 4 pond filled in erosion areas, removed sediment , trimmed libs and graded outfall.

5) Other

- a) Completed a full inspection/audit of the WWTP - housekeeping items will be completed by October.

Current Items Requiring Board Approval:

Vendor	Amount	WO#	Budget Amount	Description

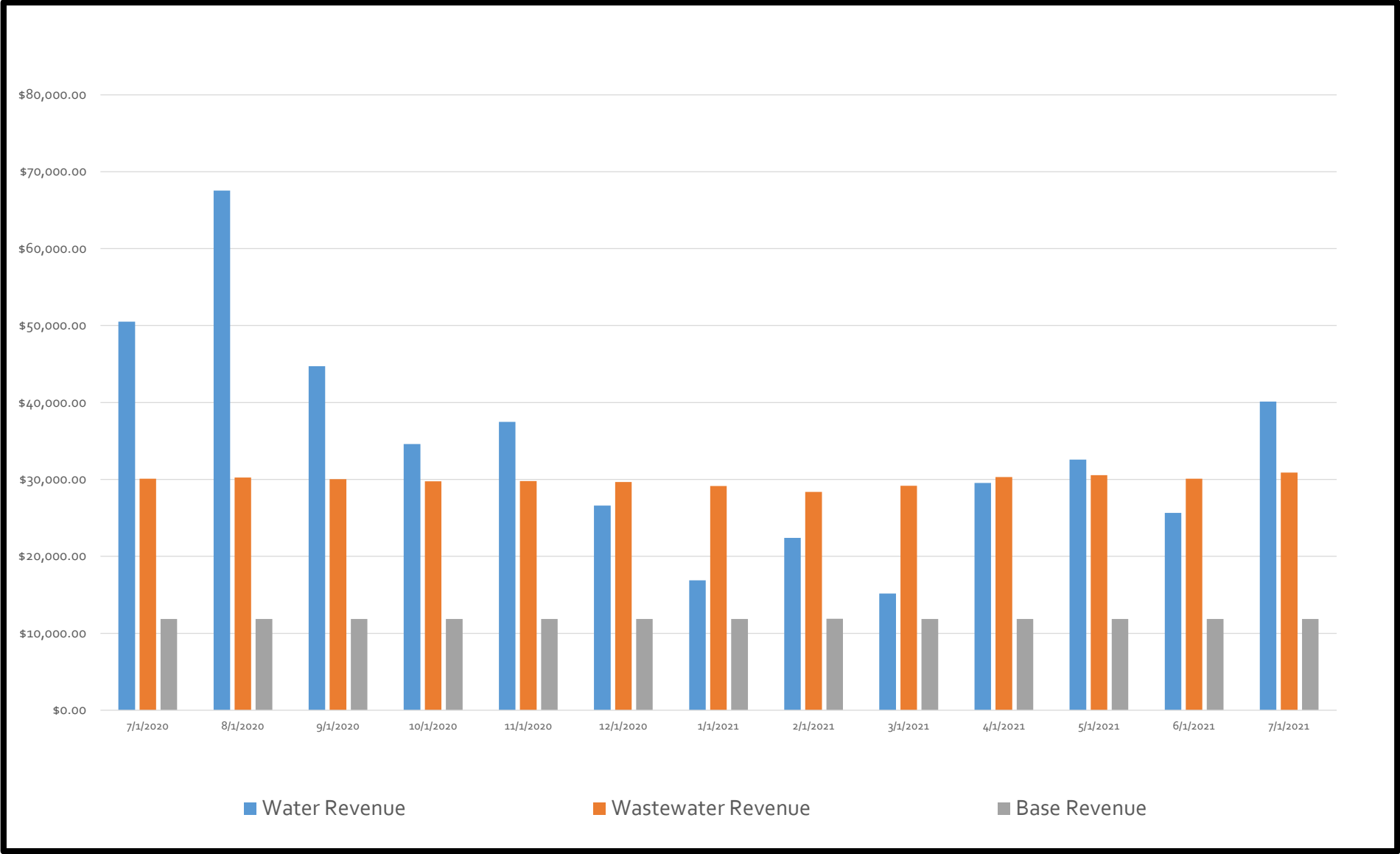


Billing Summary

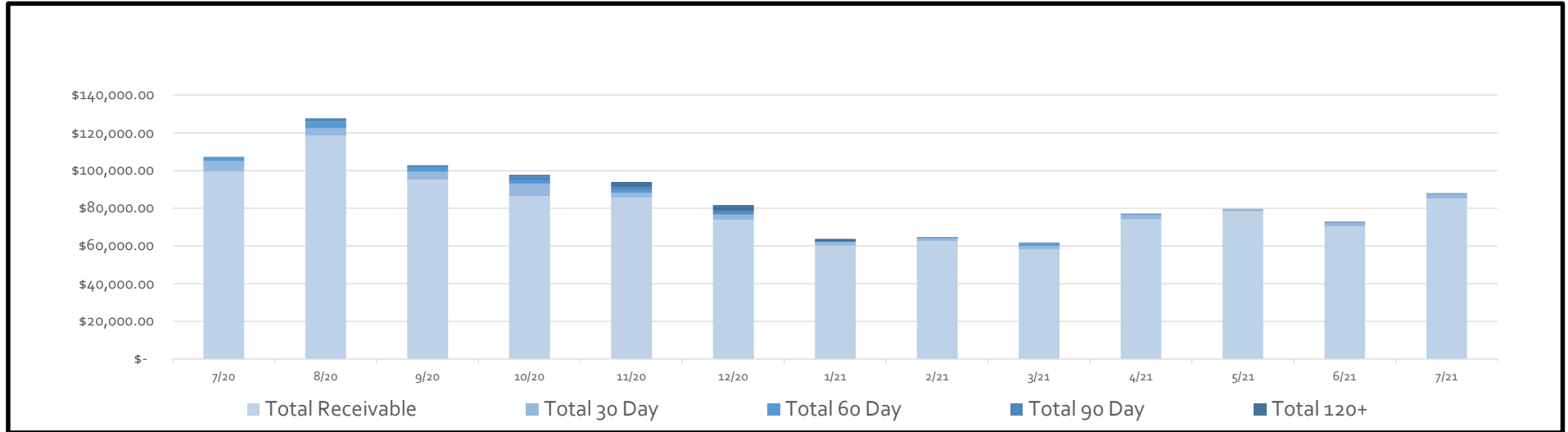

Senna Hills Municipal Utility District
 14050 Summit Drive Suite 113A
 Austin, Texas 78728
 512-844-1041

Description	Connections	
	Jul-20	Jul-21
Residential	405	405
Hydrant	-	-
Tracking	5	5
No Bill	1	1
Total Number of Accounts Billed	411	411
	Consumption	
Residential	8,462,000	7,048,000
Hydrant	-	-
Tracking Amenity Center	68,000	-
Total Gallons Consumed	8,530,000	7,048,000
	Average Consumption	
Residential	20,894	17,402
Hydrant	-	-
Tracking	13,600	-
Avg Water Use for Accounts Billed	20,754	17,148
Total Billed	\$ 99,383	\$ 85,922
Total Aged Receivables	\$ (2,963)	\$ (683)
Total Receivables	\$ 96,420	\$ 85,239

12 Billing Month History Revenue by Category



12 Month Accounts Receivable and Collections Report



Date	Total Receivable	Total 30 Day	Total 60 Day	Total 90 Day	Total 120+
7/20	\$ 99,382.73	\$ 5,564.86	\$ 1,967.41	\$ 225.05	\$ 206.41
8/20	\$ 118,432.85	\$ 3,897.91	\$ 3,574.75	\$ 1,672.95	\$ 90.03
9/20	\$ 95,241.04	\$ 4,047.31	\$ 2,481.75	\$ 949.81	\$ 81.74
10/20	\$ 86,426.07	\$ 6,598.91	\$ 1,714.63	\$ 2,077.01	\$ 868.39
11/20	\$ 85,816.45	\$ 2,329.59	\$ 1,473.47	\$ 1,359.46	\$ 2,945.40
12/20	\$ 73,915.09	\$ 2,494.91	\$ 929.37	\$ 1,314.59	\$ 3,038.53
1/21	\$ 60,176.37	\$ 2,026.57	\$ 6.77	\$ -	\$ 1,507.36
2/21	\$ 62,583.57	\$ 1,229.60	\$ 556.79	\$ 6.77	\$ 206.41
3/21	\$ 58,092.96	\$ 1,887.29	\$ 1,234.74	\$ 458.39	\$ 213.18
4/21	\$ 74,059.15	\$ 2,191.74	\$ 173.29	\$ 217.21	\$ 431.49
5/21	\$ 78,447.01	\$ 929.74	\$ 94.93	\$ -	\$ 206.41
6/21	\$ 70,361.22	\$ 2,162.70	\$ 13.19	\$ 13.53	\$ 206.41
7/21	\$ 85,239.21	\$ 2,413.72	\$ 50.31	\$ -	\$ 219.94

Board Consideration to Write Off	\$0.00
Board Consideration Collections	\$0.00

Delinquent Letter Mailed	9
Delinquent Tags Hung	5
Disconnects for Non Payment	1



Water Production and Quality

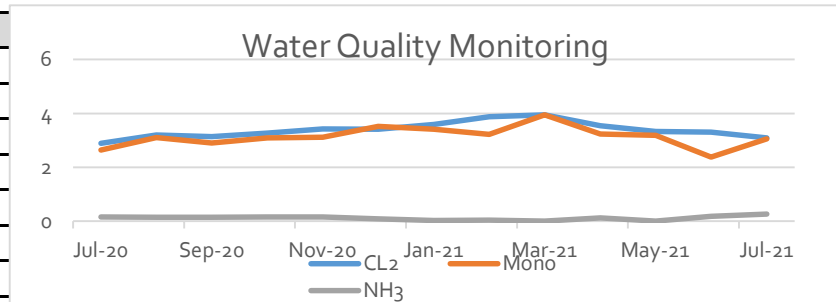


Water Quality Monitoring

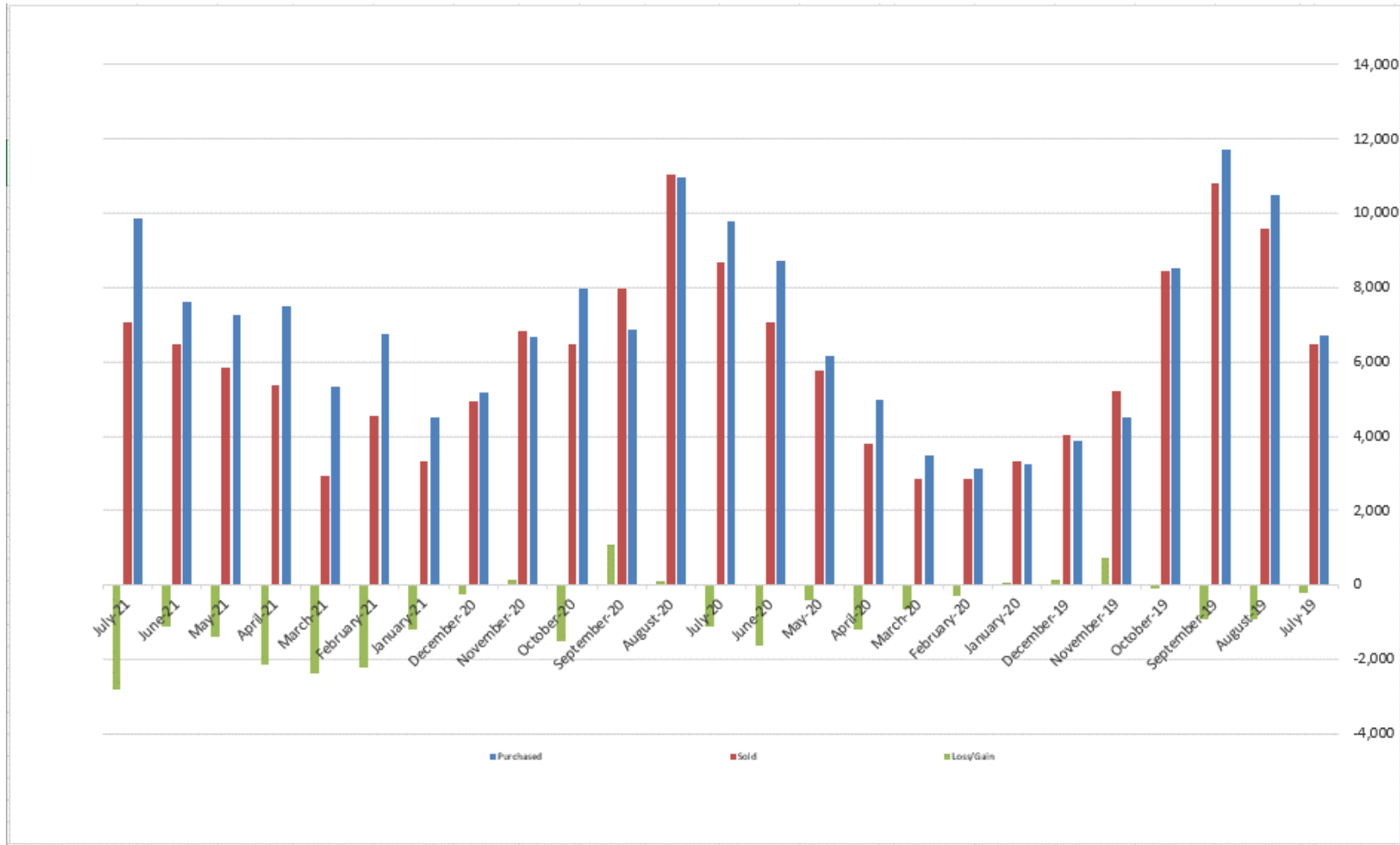
3.39

Requirements Min .50

Date	CL2	Mono	NH3
Jul-20	2.89	2.64	0.16
Aug-20	3.2	3.11	0.15
Sep-20	3.14	2.91	0.15
Oct-20	3.27	3.09	0.16
Nov-20	3.43	3.12	0.16
Dec-20	3.42	3.52	0.09
Jan-21	3.59	3.42	0.03
Feb-21	3.88	3.22	0.04
Mar-21	3.95	3.95	0.01
Apr-21	3.55	3.24	0.12
May-21	3.33	3.19	0.01
Jun-21	3.31	2.38	0.19
Jul-21	3.1	3.06	0.27

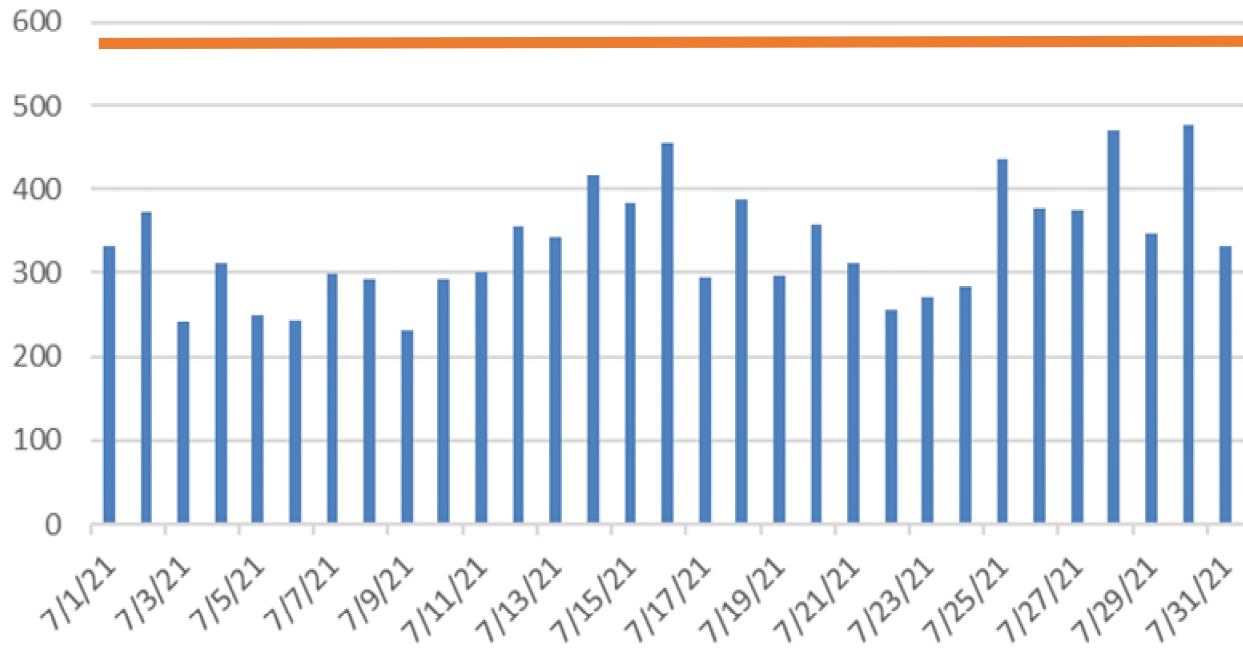


Water Accountability Report



Month	Read Date	Purchased (1000)	Sold (1000)	Gal.s Loss (-)	Accounted For %	Running	
						Loss %	Accounted For %
July 19	7/16/19	6,699	6,468	(225)	96.6%	-5.82%	94.18%
August 19	8/15/19	10,503	9,588	(909)	91.3%	-6.33%	93.67%
September 19	9/16/19	11,723	10,812	(907)	92.3%	-7.23%	92.77%
October 19	10/15/19	8,547	8,458	(84)	99.0%	-6.49%	93.51%
November 19	11/14/19	4,508	5,232	737	116.3%	-5.03%	94.97%
December 19	12/16/19	3,895	4,046	155	104.0%	-4.43%	95.57%
January 20	1/16/20	3,243	3,318	81	102.5%	-3.91%	96.09%
February 20	2/17/20	3,153	2,854	(297)	90.6%	-3.96%	96.04%
March 20	3/17/20	3,498	2,857	(637)	81.8%	-4.00%	96.00%
April 20	4/16/20	5,001	3,791	(1,206)	75.9%	-5.32%	94.68%
May 20	5/15/20	6,085	5,765	(411)	93.4%	-5.46%	94.54%
June 20	6/15/20	8,711	7,082	(1,624)	81.4%	-7.04%	92.96%
July 20	7/15/20	9,786	8,676	(1,103)	88.7%	-7.88%	92.12%
August 20	8/17/20	10,954	11,062	113	101.0%	-8.88%	93.46%
September 20	9/17/20	6,878	7,968	1,095	115.9%	0.38%	95.72%
October 20	10/16/20	7,997	6,491	(1,510)	81.2%	-1.13%	93.77%
November 20	11/16/20	6,669	6,820	155	102.3%	-1.13%	93.19%
December 20	12/17/20	5,175	4,931	(241)	95.4%	-7.96%	92.79%
January 21	1/15/21	4,460	3,316	(1,133)	74.6%	-7.48%	91.36%
February 21	2/21/21	6,662	4,534	(2,124)	68.1%	-21.71%	89.44%
March 21	3/18/21	5,315	2,955	(2,360)	55.6%	-34.75%	87.52%
April 21	4/16/21	7,486	5,369	(2,112)	71.8%	-34.25%	86.82%
May 21	5/17/21	7,171	5,862	(1,308)	81.8%	-29.09%	85.91%
June 21	6/17/21	7,618	6,500	(1,118)	85.3%	-20.81%	86.22%
July 21	7/16/21	9,874	7,081	(2,792)	71.7%	-21.45%	84.29%

Daily Water Usage

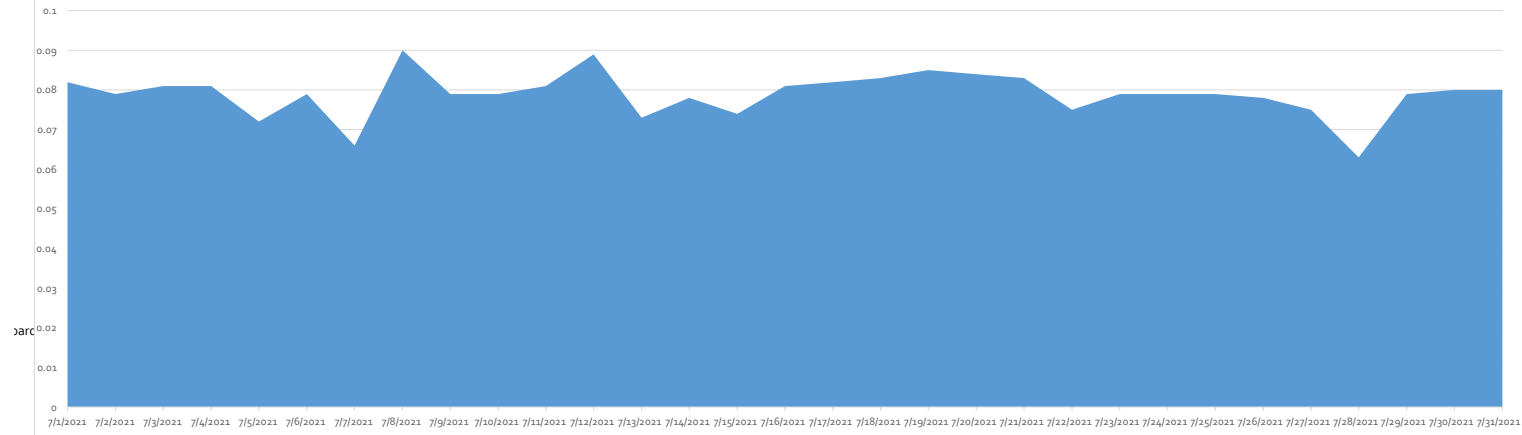




Wastewater Production and Quality



Wastewater Flows for the Month of July



Wastewater Treatment Permit Summary

For the Month of July

	PERMIT	ACTUAL	COMPLIANT?		PERCENT
AVG. PERMITTED FLOW	0.1 MGD	0.079	Yes	MGD	79%
AVG. PERMITTED BOD	5 mg/L	1	Yes	mg/L	
AVG. PERMITTED TSS	5 mg/L	1	Yes	mg/L	
AVG. PERMITTED AMMONIA NH ₃	2.0 mg/L	0.05	Yes	mg/L	
MIN. Cl ₂ RESIDUAL POND	1.0 mg/L	4.15	Yes	mg/L	
PH (Min)	6.0 Std Units	7.2	Yes	Std Units	
PH (Max)	9.0 Std Units	7.4	Yes	Std Units	

Senna Hills MUD Wastewater Flow Historical

TOTALS	Connections	Total Effluent Flows	Average	Avg Flow Per Connection	WWTP Capacity %	ROW Flows	Pond Flows	Total Irrigation Flows
Jul-21	411	2,448,000	79,000	192	79%	353,200	1,688,400	2,041,600
Jun-21	411	2,673,000	89,000	217	89%	274,000	1,790,000	2,064,000
May-21	411	2,681,000	86,000	209	86%	200,700	1,892,000	2,093,100
Apr-21	411	2,403,000	80,000	195	80%	253,600	1,932,000	2,088,900
Mar-21	411	2,423,000	78,000	190	78%	496,000	2,019,000	2,515,000
Feb-21	411	2,549,000	91,000	221	91%	293,000	2,405,000	2,697,800
Jan-21	411	2,402,000	77,000	187	77%	246,800	2,280,000	2,527,000
TOTALS		17,579,000	82,857	202	83%	2,117,300	14,006,400	16,027,400
Dec-20	411	2,519,000	81,000	197	81%	272,000	2,637,100	2,365,000
Nov-20	411	2,270,000	76,000	185	76%	508,600	1,880,000	2,388,800
Oct-20	411	2,527,000	82,000	200	82%	887,400	1,733,000	2,620,500
Sep-20	411	2,483,000	83,000	202	83%	874,900	1,697,000	2,571,400
Aug-20	411	2,419,000	78,000	190	78%	748,500	1,706,000	2,454,700
Jul-20	411	2,422,000	78,000	190	78%	593,700	1,641,000	2,234,500
Jun-20	411	2,426,000	81,000	197	81%	417,500	2,420,000	2,837,300
May-20	411	2,582,000	83,000	202	83%	267,900	2,030,000	2,298,000
Apr-20	412	2,472,000	82,000	199	82%	171,400	2,141,000	2,312,100
Mar-20	412	2,636,000	85,000	206	85%	165,800	1,918,000	2,083,800
Feb-20	412	2,011,000	69,000	167	69%	73,000	1,823,000	1,895,900
Jan-20	412	2,180,000	70,000	170	70%	118,000	1,948,000	2,066,000
TOTALS		28,947,000	79,000	192	79%	5,098,700	23,574,100	28,128,000
Dec-19	412	2,138,000	69,000	167	69%	166,000	1,851,000	2,016,800
Nov-19	412	2,132,000	71,000	172	71%	518,000	1,577,000	2,095,000
Oct-19	412	2,129,000	69,000	167	69%	710,500	1,414,000	2,124,600
Sep-19	412	2,157,000	72,000	175	72%	642,000	1,650,000	2,292,000
Aug-19	412	2,207,000	71,000	172	71%	680,000	1,463,000	2,143,000
Jul-19	412	1,895,000	61,000	148	61%	594,000	1,166,000	1,760,000
Jun-19	412	1,944,000	65,000	158	65%	276,000	1,345,000	1,621,000
May-19	412	2,108,000	76,000	184	76%	33,200	2,157,000	2,190,200
Apr-19	412	2,005,000	67,000	163	67%	32,200	728,000	760,200
Mar-19	412	1,905,000	61,000	148	61%	55,000	1,846,000	1,901,000
Feb-19	412	1,791,000	64,000	155	64%	9,000	1,781,000	1,790,000
Jan-19	412	2,303,000	74,000	180	74%	76,000	2,227,000	2,303,000
TOTALS		24,714,000	68,333	166	68%	3,791,900	19,205,000	22,996,800