



# SAN LEON MUNICIPAL UTILITY DISTRICT

## ENGINEER'S REPORT FOR

SEPTEMBER 18, 2019

CI Project NO. 2018145-000-DS  
Prepared on 09/12/2019

This report provides the District with current information regarding updates, progress, or documentation on the projects below as authorized by the District.

- 1) **WWTP EXPANSION DESIGN**  
Structural and electrical drawings have resumed.
- 2) **WWTP EMERGENCY GENERATOR AND CONTROLS CONSTRUCTION**  
Approximately 60% of the work is complete. The new MCC has been energized and is operation. The main item remaining is the arrival and installation of the generator. The contractor has received word that the manufacturer will ship it on September 25<sup>th</sup> and should arrive a week later to be installed. No Pay Estimate this month.
- 3) **BOND REPORT**  
TCEQ approved the Bond Report/Application on September 3rd.
- 4) **UTILITY MASTER PLAN UPDATE**  
No work performed since the previous meeting.

Prepared by:  
Harry B. "Hal" Walker, P.E.  
Senior Project Manager  
TBPE Firm Registration No. 280

A handwritten signature in blue ink that reads "Harry B. Walker". The signature is written over a horizontal line.



Gulf Coast Water Authority

3630 FM 1765

Texas City, Texas 77591

409.935.2438

fax 409 935 4158

TO: SAN LEON MUNICIPAL UTILITY DISTRICT  
443 24TH STREET  
SAN LEON, TX 77539

INVOICE NO.	2019 6206	DATE:	09/12/2019
RAW WATER CHARGE			\$ 17,250.16
CAPITAL CHARGE			9,598.42
OPERATING BUDGET			13,545.27
DISTRIBUTION SYSTEMS - CAPITAL			
NORTH LINE			1,894.78
BAYSHORE			<u>1,285.54</u>
TOTAL DUE FOR CURRENT MONTH			\$ 43,574.17

08/01/19-09/03/19

WATER CONSUMPTION: 24,292 KG

METER READING	
08/01/19	13,854
09/03/19	38,146
	<u>24,292</u>

REMIT TO: GULF COAST WATER AUTHORITY  
3630 FM 1765  
TEXAS CITY, TX 77591

## San Leon Municipal Utility District

### Operations Report for Aug 2019

Water Treatment Plant
GCWA Received: 24,292.000
Pumped into system: 21,730.00
Meters billed: 15,119.000
Gallons lost (leaks/flushing): 2,562.000
Accountability: 13%
Active meters: 2,823
9 bacteriological samples taken and tested (8 distribution, 1 well); all results were good, no coliform organisms found

Wastewater Treatment Plant		
	Permitted	Actual
Flow	<0.95 MGD	.492MGD
BOD	158 lbs/day	8.23lbs/day
TSS	158 lbs/day	5.01 lbs/day
DO	2.0 mg/L	6.6mg/L
CL <sup>2</sup>	1.0 min - 4.0 max	1.1 min - 3.5max
Total flow: gallons 15,252.000		
Daily average flow: .492 MGD		
Average solids level: 273 mg/L		
Sludge hauled: 0 tankers & 10 containers		
Total rainfall: 3.58 inches		
<small>MGD: Million gallons per day mg/L: Milligrams per liter</small>		

Distribution & Collection		
<u>Taps, Inspections, &amp; Extensions</u>		<u>Service Orders</u>
Water Taps: 8	Water Taps YTD: 116	ken 0
Sewer Taps: 8	Sewer Taps YTD: 116	leo 66
Inspections: 7	Inspections YTD: 73	randy 83
Line extensions:1	Extensions YTD: 3	Mack 21
<u>Account Activity</u>		Anthony 9
Active Accounts: 2,823		Taps 8
Taps & Payments: 10 taps, \$15,000 collected		Connects 37
Inspections & Fees: 7 inspections, \$405		Disconnects 28
Capacity Fee: n/a		Occupants change 13
Lock-off for non-payment: 76accounts		Pool fills 14
Locked-off accounts paid: 45 accounts		Reconnects 17
Pulled meters & fees: 0 pulled, \$0 collected		After Hours 1
		Water/Sewer Taps: 8
		Plumbing Inspection: 7

# Monthly Water Audit

**Month: Aug 2019**

**UN METERED**

		LOSS	METER READS
<b>Meters</b>	5%	755,950	15,119,000
<b>Fire Department</b>		200,000	
<b>Hydrants Flushing</b>		1,504,000	1,000 X 10 MIN
<b>Water Leaks</b>		2,000,000	
<b>Stolen Water</b>		0	
<b>Galveston Co. Not Metered Total</b>		3,704,755.950	
<b>GCWA</b>		24,292,000	8/1/19 - 8/31/19
<b>Water Office Meters</b>		21,730,000	8/1/19 - 8/31/19
<b>Water Meter Use</b>		15,119,000	
<b>Difference</b>		6,611,000.000	
		<b>Total % of</b>	<b>2,906,244.050</b>
		<b>Unaccounted for water</b>	<b>13%</b>

## SERVICE ORDERS JULY 18th. thru AUGUST 21st. 2019

KEN	0
LEO	66
RANDY	83
MACK	21
BRANDON	1
ANTHONY	9
OTHER	4
TAPS	8
LINE EXTENSION	0
CONNECTS	37
DISCONNECTS	28
OCCUPANT CHANGES	13
POOL FILLS	14
RECONNECTS	17
AFTER HOURS	1
RE-READ	7
 TOTAL:	 309

### CUSTOMER COMPLAINTS:

235 24TH. ST.	REPLACE METER BOX
301 13TH. ST.	REPLACE METER BOX
227 7TH. ST.	REPLACE METER BOX
1564 RAILROAD	INSTALL NEW METER
801 28TH. ST.	CHECK FOR LEAK
1012 AVE. A 1/2	REPLACE METER BOX
960 7TH.	LOW WATER PRESSURE
705 11TH. ST.	CHECK FOR LEAK
812 8TH. ST.	REPLACE CURBSTOP
329 SUTTON	CLEAN OUT METER BOX.
2303 BAYLINE UNIT A	CHECK FOR LEAK
803 16TH. ST.	CHECK FOR LEAK
426 18TH. ST.	REPLACE METER BOX
413 5TH. ST.	RE-SET METER BOX
2653 AVE. J	CHECK FOR LEAK
1234 8TH. ST.	TURN OFF FOR LEAK
2432 AVE. D	REPLACE METER BOX
1025 23RD. ST.	REPLACE CURBSTOP
933 23RD. ST.	CHECK FOR LEAK
1043 8TH. ST.	CHECK FOR LEAK

## SERVICE ORDERS JULY 18th. thru AUGUST 21st. 2019

1241 11TH. ST.	LOCATE AND MARK TAPS
1105 3K'S	SEWER BACK-UP
914 10TH. ST.	LOCATE AND MARK TAPS
927 5TH. ST.	LOCATE AND MARK TAPS
233 16TH. ST.	CHECK FOR LEAK
435 24TH. ST.	SEWER BACK-UP

### PROFILED METERS:

1124 10TH. ST.  
2303 BAYLINE UNIT A  
346 15TH. ST.  
430 6TH. ST.  
2485 AVE. B

### MAIN REPAIRS:

826 10TH. ST.	CONTRACTOR BROKE CURBSTOP - REPAIRED
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### VIOLATIONS:

239 24TH. ST.	CHECK FOR VIOLATION
1435 BROADWAY	RV
1004 20TH. ST.	

### METER INSTALLATION / TAPS:

28 CINDY PALMER LN.  
706 15TH. ST.  
325 22ND. ST.  
325 22ND. ST. UNIT A  
1404 E. BAYSHORE  
803 16TH. ST.  
1125 9TH. ST.  
413 5TH. ST.  
735 12TH. ST.  
1231 9TH. ST.  
1235 DICKBAY  
1024 24TH. ST.  
413 3RD. ST. UNIT A  
2724 AVE. D UNIT B

### LINE EXTENSIONS:

## SERVICE ORDERS JULY 18th. thru AUGUST 21st. 2019

### PLUMBING INSPECTIONS:

329 SUTTON

2290 AVE. J

325 22ND. ST. UNIT A

1125 9TH. ST.

706 15TH. ST.

105 23RD.1/2 ST. UNIT B

2290 AVE J

413 5TH. ST.

123 14TH. ST.

831 16TH. ST.

933 AVE. D

28 CINDY PALMER LN.

814 9TH. ST.

315 24TH. ST.

814 9TH. ST.

803 16TH. ST.