

**MINUTES OF A REGULAR MEETING
OF THE BOARD OF DIRECTORS
HORIZON REGIONAL M.U.D.**

A regular meeting of the Board of Directors of the Horizon Regional M.U.D. was held on Thursday September 23, 2021 at 6:00 p.m. in person at 14100 Horizon Blvd, Horizon City, Texas, pursuant to notice given in accordance with the law.

The roll was called of the members of the board, to-wit:

Gordon, Jarvis	-	President
John Whitaker	-	Vice President
Dean Hulse	-	Treasurer (<i>absent</i>)
Mike Barton	-	Assistant Secretary
<i>vacant</i>	-	Secretary

Director Gordon Jarvis called the meeting to order at 6:00 p.m. A quorum was established. Also attending the meeting were the District's consultants: Account Manager - Charlie McGinnis, Administrative Assistant III - Veronica Saucedo. District Attorney - Alan Petrov. TRE & Associates Inc. - Linda Troncoso, Frank Ortiz. The Pledge of Allegiance was said with audience participation.

4. RECEIVE CITIZEN COMMUNICATIONS.

None

5. CONSENT AGENDA.

- A: Consider and Take Action to approve the Minutes of Regular Meeting held on August 26, 2021.
- B: Consider and Take Action to Approve the Payment of Bills and Invoices for Operations and Construction: and to Approve the Transfer of Funds.

- C: Consider and Take Action to Approve the Financial Statement for the Month Ending August 31, 2021.
- D: Consider and Take Action to Approve the Payment of Bills and Invoices for Operations and Construction for Spray Field; and to Approve the Transfer of Funds for Spray Field # 1.
- E: Consider and Take Action on Pay Estimate No. 7 for Paseo del Este Water and Wastewater Improvements.
- F: Consider and Take Action on Biglon and Duanesburg Force Main Emergency Replacement Pay Application No. 5.

Motion was made by Director Thomas and seconded by Director Barton to approve the Consent Agenda.

All in favor: 3 ayes

Opposed: 0 none

Motion passed to approve.

6. **DISCUSSION ON HORIZON VIEW ESTATES SEWER PROJECT.**

Discussion item only. Ms. Troncoso gave Director Barton a form he needed to sign verifying the public meeting regarding the environmental impact statement and the conveyance of the information to the public. Paperwork is being finalized and are on track to complete the process to move forward with the design by the end of the year.

No Action Necessary.

7. **CONSIDER AND TAKE ACTION ON MANAGEMENT REPORT RELATING TO MANAGEMENT AND OPERATIONAL ACTIVITIES OF THE DISTRICT.**

Mr. McGinnis presented and discussed the Water System Report for August 2021.

See attached report.

Director Thomas made a motion to approve the Management Report relating to Management and Operational activities of the District to include collections and write offs. This was seconded by Director Barton.

All in favor: 3 ayes
Opposed: 0 none

Motion passed to approve.

8. **CONSIDER AND TAKE ACTION ON THE ENGINEERING REPORT RELATING TO CONSTRUCTION AND ENGINEERING ACTIVITIES OF THE DISTRICT.**

Mrs. Linda Troncoso discussed and presented current service commitment applications and construction activity, then presented a summary of the Engineers Report.

See attached report.

Ms. Troncoso addressed the Board stating she had received a request from a local developer named David Ballard to ask what he needed to do to get service on a piece of property he owns at 1130 Mitchell Dr. As per the email conversation between Ms. Troncoso and Mr. Ballard, Ms. Troncoso informed Mr. Ballard in order to get service to the property it would require approximately a 1325' extension of 12" water line with fire hydrants and explained the district has a regulation stating anything over 600 ft is required to be looped for reliability of service and TCEQ requires every dead end line to be flushed every month. Mr. Ballard asked if Ms. Troncoso to please ask the Board to make an exception since he does not want or need to extend the full length of the property. Director Barton asked if it was a residential or commercial lot & Ms. Troncoso replied it was a commercial lot because there is no zoning in the county but is a large lot, so it is considered commercial. As per the Board they cannot make any exceptions on their and TCEQ regulations and requirements.

Director Thomas made a motion to approve the Engineers Report and was seconded by Director Barton.

All in favor: 3 ayes

Opposed: 0 none

Motion passed to approve.

9. **CONSIDER AND TAKE ACTION ON MANAGEMENT REPORT RELATING TO MANAGEMENT AND OPERATIONAL ACTIVITES OF SPRAYFIELD No. 1.**

Mr. Luis Delgadillo was not present to report, Director Barton spoke briefly on his behalf stating the seed had arrived and golf course has been very busy.

No action necessary.

10. **CONSIDER AND TAKE ACTION ON, IF NECESSARY, RELATING TO THE LEASE WITH MOONLIGHT P&Q, LLC.**

Ms. Zepeda was not present, Director Barton spoke on her behalf and reported everything is going fine and has been busy.

No action necessary.

11. **CONSIDER AND TAKE ON AWARD OF RATIFICATION OF EMERGENCY WWTP BAR SCREEN PARTS AND REPAIRS.**

Mr. Carlos McGinnis explained this was to get the bar screen operating the way it needs to, stating it had some issues with the chain drive and one of the main bars. Emergency action had already been taken and just needs to be ratified.

Director Thomas made motion to ratify the emergency purchase for parts and repairs for the WWTP bar screen and was seconded by Director Barton.

All in favor: 3 ayes

Opposed: 0 none

Motion passed to approve.

12. **CONSIDER AND TAKE ACTION IF NECESSARY, ON REQUEST BY DIG DEEP FOR COCHRAN PARK.**

Ms. Troncoso reported the only thing to report was that she was preparing to solicit bids for Dig Deep for the installation of the water line. Dig Deep is ready to move forward and is a private solicitation because it is private funding so it will not be publicly advertised.

No action necessary.

13. **CONSIDER AND TAKE ACTION ON REQUEST BY HCIA FOR SCHOOLS AND PARK PROPERTY REQUEST.**

Ms. Troncoso requested to table item and continue to have it on future meetings.

No action necessary.

14. **CONSIDER AND TAKE ACTION ON PAY ESTIMATE NO. 8 FINAL FOR PASEO DEL ESTE UNIT 5 WATER AND WASTEWATER IMPROVEMENTS.**

Ms. Troncoso reported this was the final pay estimate in a defined area bond location north

of Eastlake. This item is the final pay application because the developer will potentially be seeking reimbursement at a future date.

Director Thomas made a motion to approve the final pay estimate No.8 for Paseo Del Este Unit 5 water and wastewater improvements and was seconded by Director Barton.

All in favor: 3 ayes

Opposed: 0 none

Motion passed to approve.

15. **CONSIDER AND TAKE ACTION ON RECOMMENDATION OF ACCEPTANCE FOR OPERATIONS AND MAINTENANCE FOR PASEO DEL ESTE UNIT 5 WATER AND WASTEWATER IMPROVEMENTS.**

Director Thomas made a motion to approve the recommendation of acceptance for operations and maintenance for Paseo Del Este Unit 5 water and wastewater improvements and was seconded by Director Barton.

All in favor: 3 ayes

Opposed: 0 none

Motion passed to approve.

16. **CONSIDER AND TAKE ACTION ON REPAIRS FOR PAVING AT 16000 ASHFORD -PARKING LOT.**

Director Jarvis asked to table this item to the next regular board meeting.

17. **CONSIDER AND TAKE ACTION ON APPROVAL OF 2021-2022 DISTRICT BUDGET.**

Director Jarvis reported they (Budget Committee) had been working diligently with engineering and operations to put together a budget. Explained with 11-month numbers the District has made a great improvement this year compared to last year and has made \$916,841.00 but still needs to build a little more reserve in case of any emergency. Director Jarvis reported the Budget Committee was recommending the water and sewer rates be increased at some point.

Director Thomas made a motion to approve the proposed budget and was seconded by Director Barton.

All in favor: 3 ayes

Opposed: 0 none

Motion passed to approve.

18. **CONSIDER AND TAKE ACTION ON PAYMENT OF INVOICES FOR RO CONCENTRATE INJECTION WELL.**

Ms. Troncoso recommends approval, invoices that were submitted are in line with what had been anticipated.

All in favor: 3 ayes

Opposed: 0 none

Motion passed to approve.

19. **EXECUTIVE SESSION, AS NECESSARY.**

No items.

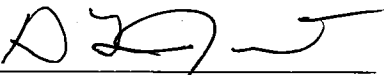
No Action Necessary.

20. **REPORTS AND DISCUSSION OF OTHER MATTERS THAT MAY COME BEFORE THE BOARD.**

No items to report.

There being no further business before the Board, the meeting was upon motion made by Director Thomas and seconded by Director Barton all in favor and carried, adjourned at 7:25 p.m.

READ, APPROVED AND ADOPTED THIS 28th DAY OF OCTOBER 2021.

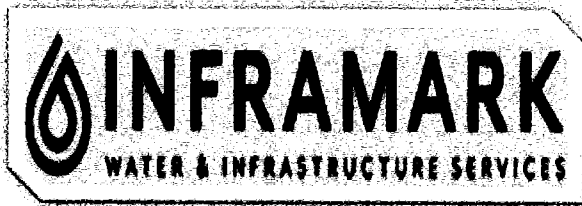


GORDON JARVIS, PRESIDENT
Board of Directors
Horizon Regional M.U.D.



MIKE BARTON, SECRETARY
Board of Directors
Horizon Regional M.U.D.

CM/VS



**Horizon Regional MUD
General Manager Reports for the month of
August 2021
Board Meeting Date:
23-Sep-21**

Reviewed By: Carlos McGinnis
Date: 09-23-2021

A handwritten signature in black ink, appearing to be "C. McGinnis", written over the printed name and date.



Inframark LLC
14100 Horizon Blvd, Horizon
City, TX 79928
United States
www.inframark.com

Current Items Requiring Board Approval

Vendor	Amount	WO#	Budget Amount	Description

Date: 09/23/2021

Memorandum for: Board of Director's Horizon Regional MUI

From:

Subject: General Manager's Executive Summary Report

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

1) Wastewater Treatment Plant

- a) Digesters have developed a few issues with rust, contractor has looked at.
- b) We are awaiting prices for emergency repairs
- c) We are waiting for parts to be delivered for Main Bar Screen.

2) Distribution System – Billing

- a) Replaced 100 residential meters
- b) Repaired 49 streets and 10 meter leaks

3) Collection System

- a) Bain Construction has finished paving Breaux and Pawling.
- b) Bain Construction is preparing to remove old A/C Lines for Biglon and Duanesbu

4) Ponds

- a) Atomizers are running.
- b) E3 is finalizing to install the new system in October.

5) Construction

- a) Testing pumping was completed and we are awaiting water sample results.
- b) Well 10- Smithco is still finishing off site details. Well 11 is still needing completion.

6) Customer Care

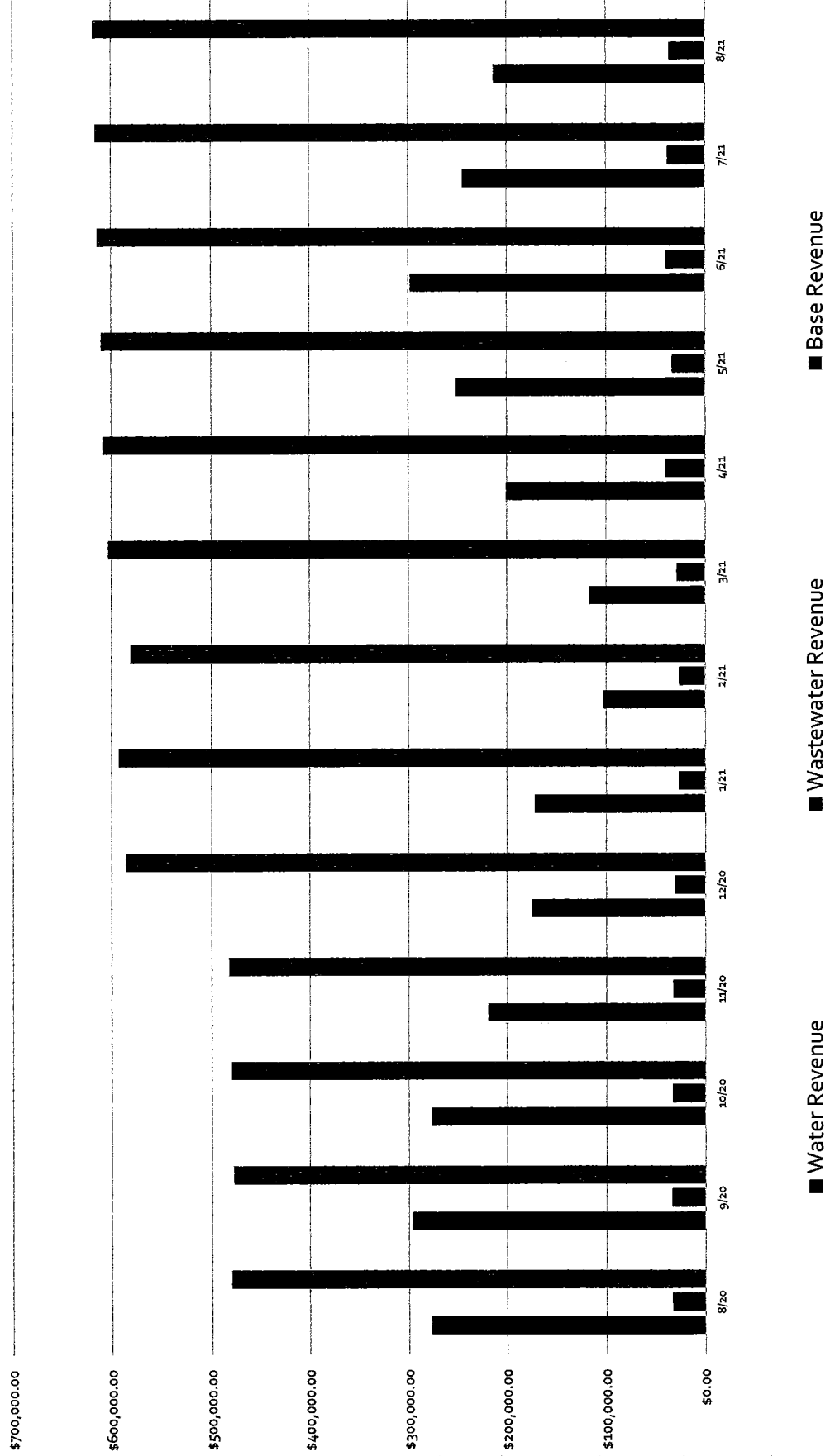
- a) Assisted 7 Customers with payment plans.
- b) 204 Disconnection were done in August.



Billing Summary

Description	Connections	
	Aug-20	Aug-21
Residential	11,271	11,859
Commercial	247	247
Irrigation	54	56
School	20	20
Municipal	16	16
Church	12	12
Bulk Meter	39	23
Total Number of Accounts Billed	11,659	12,233
	Consumption	
Residential	108,268,300	84,809,900
Commercial	5,490,000	6,565,700
Irrigation	5,222,800	4,984,200
School	988,400	6,174,200
Municipal	894,100	725,500
Church	261,000	379,400
Bulk Meter	3,437,000	1,918,000
Total Gallons Consumed	124,561,600	105,556,900
	Average Consumption	
Residential	9,606	7,152
Commercial	22,227	26,582
Irrigation	96,719	89,004
School	49,420	308,710
Municipal	55,881	45,344
Church	21,750	31,616.67
Bulk Meter	88,128	83,391
Avg Water Use for Accounts Billed	10,684	8,629
Total Billed	\$ 799,189	\$ 871,546
Total Aged Receivables	\$ 841,674	\$ 959,425
Total Receivables	\$ 1,640,863	\$ 1,830,971

12 Billing Month History Revenue by Category

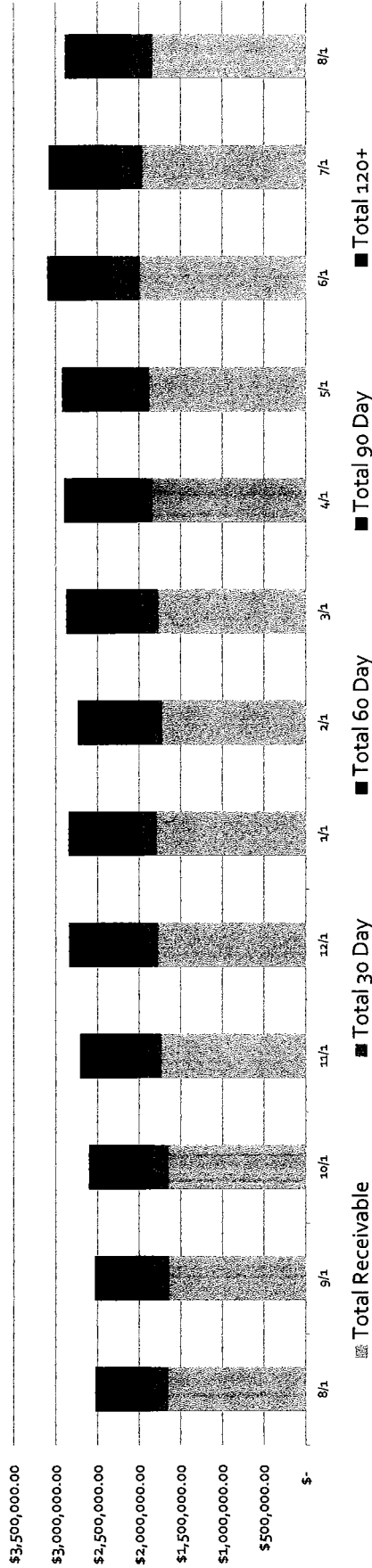


■ Base Revenue

■ Wastewater Revenue

■ Water Revenue

12 Month Accounts Receivable and Collections Report



Date	Total Receivable	Total 30 Day	Total 60 Day	Total 90 Day	Total 120+
Aug-20	\$ 1,654,821.42	\$ 192,624.45	\$ 76,918.05	\$ 30,574.26	\$ 570,116.90
Sep-20	\$ 1,640,863.30	\$ 191,779.18	\$ 82,668.00	\$ 42,641.43	\$ 575,925.87
Oct-20	\$ 1,650,141.76	\$ 203,947.29	\$ 98,625.44	\$ 49,350.25	\$ 599,167.07
Nov-20	\$ 1,729,935.25	\$ 175,058.62	\$ 106,151.43	\$ 68,194.84	\$ 629,952.91
Dec-20	\$ 1,770,411.56	\$ 207,832.94	\$ 108,237.68	\$ 74,753.10	\$ 681,133.00
Jan-21	\$ 1,786,862.11	\$ 172,835.92	\$ 101,402.21	\$ 60,325.89	\$ 726,213.52
Feb-21	\$ 1,722,499.80	\$ 214,525.76	\$ 82,699.56	\$ 53,667.48	\$ 665,301.95
Mar-21	\$ 1,766,831.02	\$ 207,653.81	\$ 91,445.80	\$ 55,261.36	\$ 751,717.92
Apr-21	\$ 1,838,972.28	\$ 171,883.21	\$ 75,000.39	\$ 49,451.85	\$ 759,714.51
May-21	\$ 1,873,653.31	\$ 221,893.33	\$ 72,858.73	\$ 33,999.47	\$ 717,874.28
Jun-21	\$ 1,987,389.25	\$ 333,419.13	\$ 84,947.49	\$ 25,810.47	\$ 687,246.17
Jul-21	\$ 1,954,940.89	\$ 261,632.63	\$ 147,860.14	\$ 45,113.02	\$ 668,494.70
Aug-21	\$ 1,830,971.29	\$ 284,363.90	\$ 67,383.97	\$ 35,218.35	\$ 665,609.02
Board Consideration to Write Off	\$80.38				
Board Consideration Collections	\$8,271.18				
Delinquent Letter Mailed	1787				
Delinquent Tags Hung	N/A				
Disconnects for Non Payment	204				



Water Production and Quality

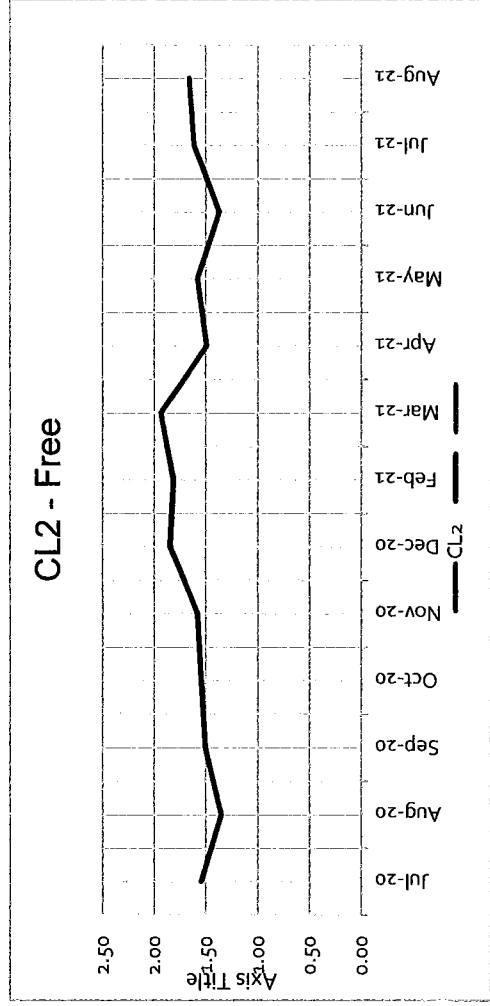
Water Quality Monitoring

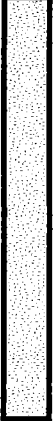
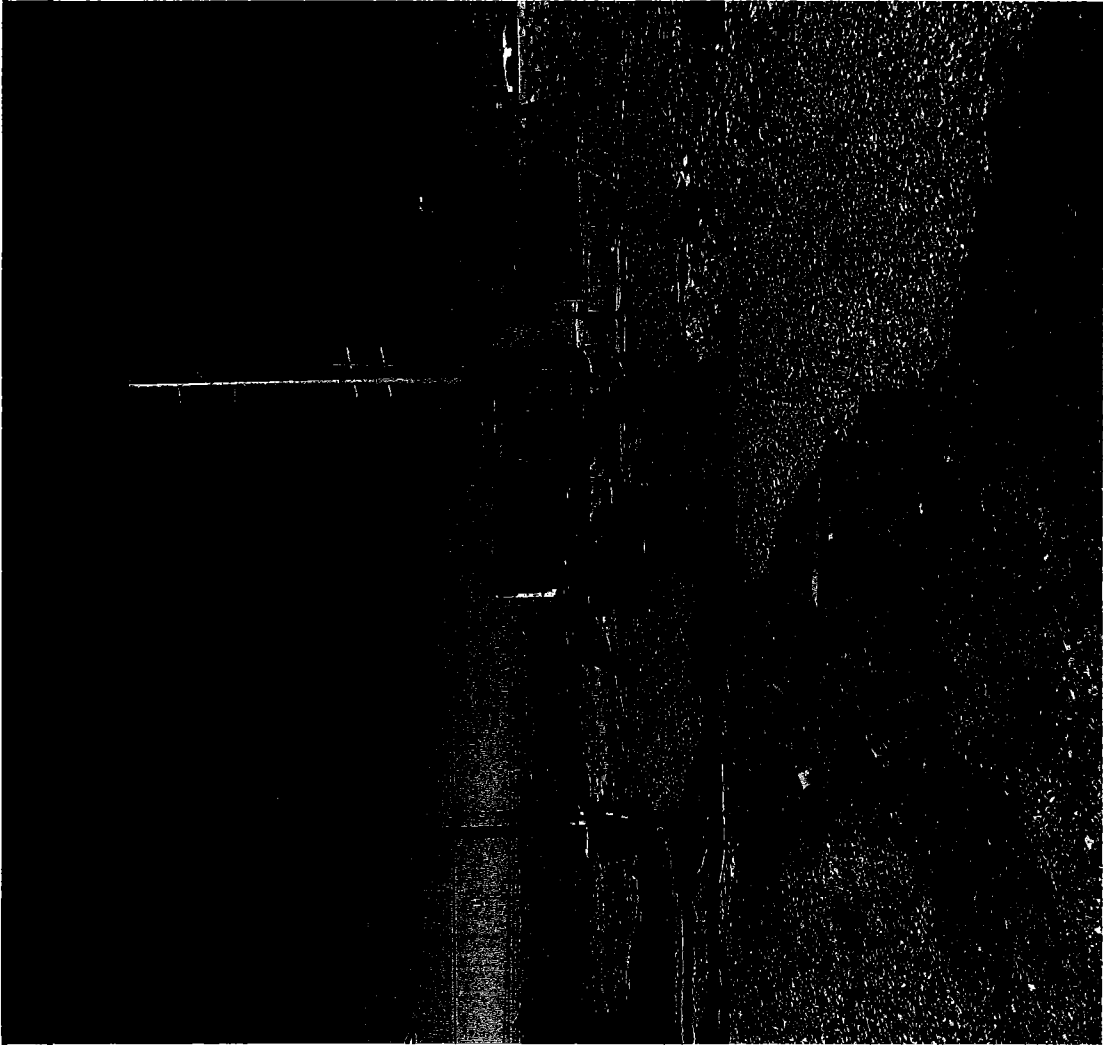
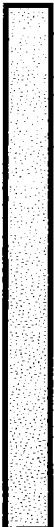
1.60

Current Annual CL2 Avg

Requirements Min .02

Date	CL2
Jul-20	1.54
Aug-20	1.35
Sep-20	1.50
Oct-20	1.54
Nov-20	1.58
Dec-20	1.84
Feb-21	1.81
Mar-21	1.93
Apr-21	1.49
May-21	1.58
Jun-21	1.37
Jul-21	1.61
Aug-21	1.66

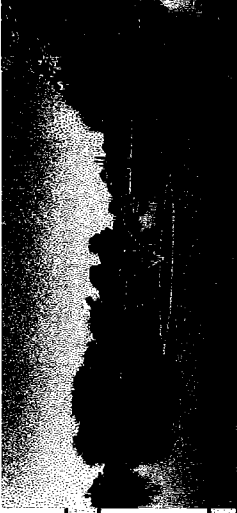




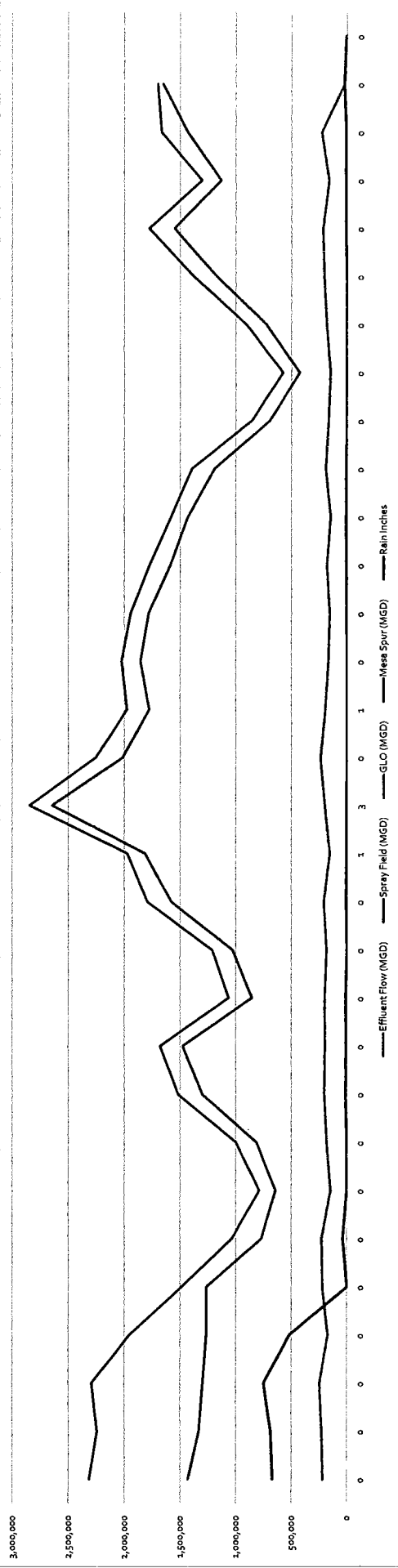
Pictures of Well 10 Progress

Month	Meeting Date	Connection Total	Pumped Water	Sold (1000)	Flushing/District	Gals Loss (-)	Water loss %
August 20	9/24/2020	11473	224,872	118,203	47,100	32,732	9.5%
September 20	10/22/2020	11568	222,230	123,920	45,000	29,486	14.9%
October 20	11/19/2020	11644	192,769	120,141	55,210	25,130	12.4%
November 20	12/17/2020	11635	188,270	124,854	50,010	23,943	14.7%
December 20	1/28/2021	11723	173,568	94,483	35,000	18,393	13.3%
January 21	2/25/2021	11724	168,294	78,265	50,010	24,174	10.6%
February 21	3/25/2021	11825	162,714	70,544	45,050	20,283	14.4%
March 21	4/25/2021	11863	160,099	72,542	45,000	20,283	12.5%
April 21	5/27/2021	11958	198,067	102,131	35,000	15,598	9.7%
May 21	6/24/2021	11994	227,874	99,048	55,200	21,815	12.5%
June 21	7/22/2021	12065	150,880	133,333	10,000	35,315	15.5%
July 21	8/26/2021	12122	152,172	118,239	20,000	13,933	9.0%
August 21	9/23/2021	12299	163,516	105,556	40,000	17,962	11.0%

Wastewater Production and Quality



Wastewater Flows for the Month of August 2021



Wastewater Treatment Permit Summary - Month of August 2021

	DISCHARGE	Eff.	ACTUAL	COMPLIANT	PERCENT
Avg. Treated Flow	MGD	3	1.579	Yes	52.6%
Avg. Sprayfield Flow	MGD	3	0.089	Yes	3.0%
Avg. GLO Flow	MGD	3	0.181	Yes	6.0%
Avg. Mesa Spur Flow	MGD	3	1.308	Yes	43.6%
Avg. Other Flow			0.001	N/A	
Avg. cBOD	mg/L	10	7.4	Yes	
Avg. TSS	mg/L	15	6.7	Yes	
Avg. Ammonia Nitrogen NH3	mg/L	3	1.01	Yes	
Avg DO	mg/L	7.77	6.83	Yes	
E. coli Bacteria	CFU	126	23.0	Yes	
MIN. PH	STD UNITS	6.0	6.35	Yes	
MAX. PH	STD UNITS	9.0	7.41	Yes	

only applies if discharge

Monthly leak Report**Aug-21**

ADDRESS	Date	Street Leak	Meter Leak	Payment Repaired
	8/3/2021			
201 Lago Maggiore	8/3/2021	YES	NO	YES
14355 Desert Sunset	8/3/2021	YES	NO	YES
14496 Orchid	8/3/2021	YES	NO	YES
834 Yates	8/3/2021	YES	NO	YES
14564 Desierto Bello	8/3/2021	YES	NO	YES
14492 Daffodil	8/4/2021	YES	NO	YES
14311 Lago di Garda	8/4/2021	YES	NO	YES
14335 Lago di Garda	8/4/2021	YES	NO	YES
14512 Canario	8/4/2021	YES	NO	YES
14309 Thayer Pease	8/5/2021	YES	NO	YES
14320 Escalera	8/5/2021	YES	NO	YES
14753 Horizon Vista	8/10/2021	YES	NO	YES
709 Teichel Kamp	8/10/2021	YES	NO	YES
508 Christian	8/10/2021	YES	NO	YES
14272 Desert Mesquite	8/10/2021	YES	NO	YES
14317 Desert Sage	8/12/2021	YES	NO	YES
425 Cactus Crossing	8/13/2021	YES	NO	YES
705 Agua de Rio	8/16/2021	YES	NO	YES
14756 Canyon Breeze	8/16/2021	YES	NO	YES
14204 Desert Ash	8/16/2021	YES	NO	YES
14294 Desert Bush	8/16/2021	YES	NO	YES
606 Endwall	8/16/2021	NO	YES	MTR LEAK
729 Agua del Rio	8/17/2021	NO	YES	MTR LEAK
485 Cedar Wood	8/18/2021	YES	NO	YES
14524 Hendrick	8/18/2021	YES	NO	YES
309 Rosylen	8/18/2021	YES	NO	YES
624 Danube	8/19/2021	YES	NO	YES
380 Via Cumbre Ln	8/19/2021	YES	NO	YES
14701 Dust Devil	8/19/2021	YES	NO	YES
630 Yates	8/19/2021	NO	YES	MTR LEAK
733 Desert Star	8/20/2021	YES	NO	YES
14275 Desert Cactus	8/20/2021	YES	NO	YES
14282 Desert Cactus	8/23/2021	YES	NO	YES
14348 Desert Wind	8/23/2021	YES	NO	YES
600 Paseo Mission	8/23/2021	NO	YES	MTR LEAK
13716 Paso de Fe	8/23/2021	YES	NO	YES
749 Desert Ash	8/23/2021	NO	YES	MTR LEAK
14265 Desert Cloud	8/23/2021	NO	YES	MTR LEAK
14244 Desert Sunset	8/24/2021	NO	YES	MTR LEAK

MONTHLY LEAK REPORT AUGUST 2021

ADDRESS	DATE	STREET LEAK	MTR LEAK
14208 Desert Mesquite	8/24/2021	YES	YES
14300 Antwerp	8/24/2021	YES	YES
700 Agua Tibia	8/24/2021	YES	YES
14259 Desert Bush	8/25/2021	YES	YES
266 Sunset Hills	8/25/2021	YES	YES
650 Agua Azul	8/25/2021 YES	NO	YES
14245 Desert Sky	8/25/2021 NO	YES	MTR LEAK
13957 Blooming Desert	8/25/2021 NO	YES	MTR LEAK
124 Desert Mesa	8/25/2021 NO	YES	MTR LEAK
657 Pation	8/25/2021 YES	NO	YES
14401 Danny Murray	8/26/2021 YES	NO	YES
440 Sand Verbena	8/26/2021 YES	NO	YES
13287 Morrisey	8/26/2021 YES	NO	YES
729 Maravillas	8/26/2021 YES	NO	YES
760 Agua Pesada	8/27/2021 YES	NO	YES
13324 Ingram	8/27/2021 YES	NO	YES
708 Desierto Bonito	8/27/2021 YES	NO	YES
14452 Deserito Bonito	8/30/2021 YES	NO	YES
13736 Paseo Sereno	8/30/2021 YES	NO	YES
528 Paseo Mission	8/30/2021 YES	NO	YES

STREET LEAKS	49
METER LEAKS	10
TOTAL	59

Date: September 16, 2021

Re: Operations Report for August 2021

Lift Stations

Barrel Cactus Lift Station	Fully operational.
Benton Lift Station	Fully operational
Biglon Lift Station	Fully operational
Duanesburg Lift Station	Running on 1 pump
Ellsworth Lift Station	Fully operational
El Paso Hills Lift Station	Fully operational.
El Paso Hills Relay Station	Fully operational
El Paso Hills Lift Station #	Fully operational
Horizon Lift Station	Fully operational
Kenazo Lift Station	Fully operational
Notre Dame List Station	Fully operational
Manor 9 Lift Station	Fully operational
Section 32 Lift Station	Fully operational
Veny Webb Lift Station	Fully operational
Woodale Lift Station	Fully operational
Glo Lift Station	One pump only

Biglon and Duansburg are both on new force main.

Tanks.

<u>GST 1</u>	Online as reserve storage for the distribution system.
<u>GST 2</u>	Online with the distribution system.
<u>GST 3</u>	Online with the distribution system.
<u>GST 4</u>	Online with the distribution system.
<u>GST 5</u>	Online with the distribution system.
<u>RWT #1</u>	Online and feeding the RO plant.
<u>EST 1</u>	Online with the distribution system.
<u>EST 2</u>	Online with the distribution system.
<u>EST 3</u>	Online with the distribution system.
<u>EST 4</u>	Online with the distribution system.

Wastewater Treatment Plant

- 5 blowers are up and running
- GLO- Pump under repair.
- Belt Press- replaced upper and lower belt.
- Bar Screen under repair (Upper shaft, Sprockets, and Chain).
- Hauled out 19 loads of sludge.



Date: September 16, 2021

Re: Operations Report for August 2021

Wells

Power outage on September 11 down line Eastlake and Gateway. Wells 1,2,3,4,5 out for about 4 hours.

All up and running.

Pump Stations

Pump Station 3

Operational

Raw Water Station Operational

Pump Station 4

Operational.

RO Plant

All RO Trains are up and running. Concentrators are up and running.

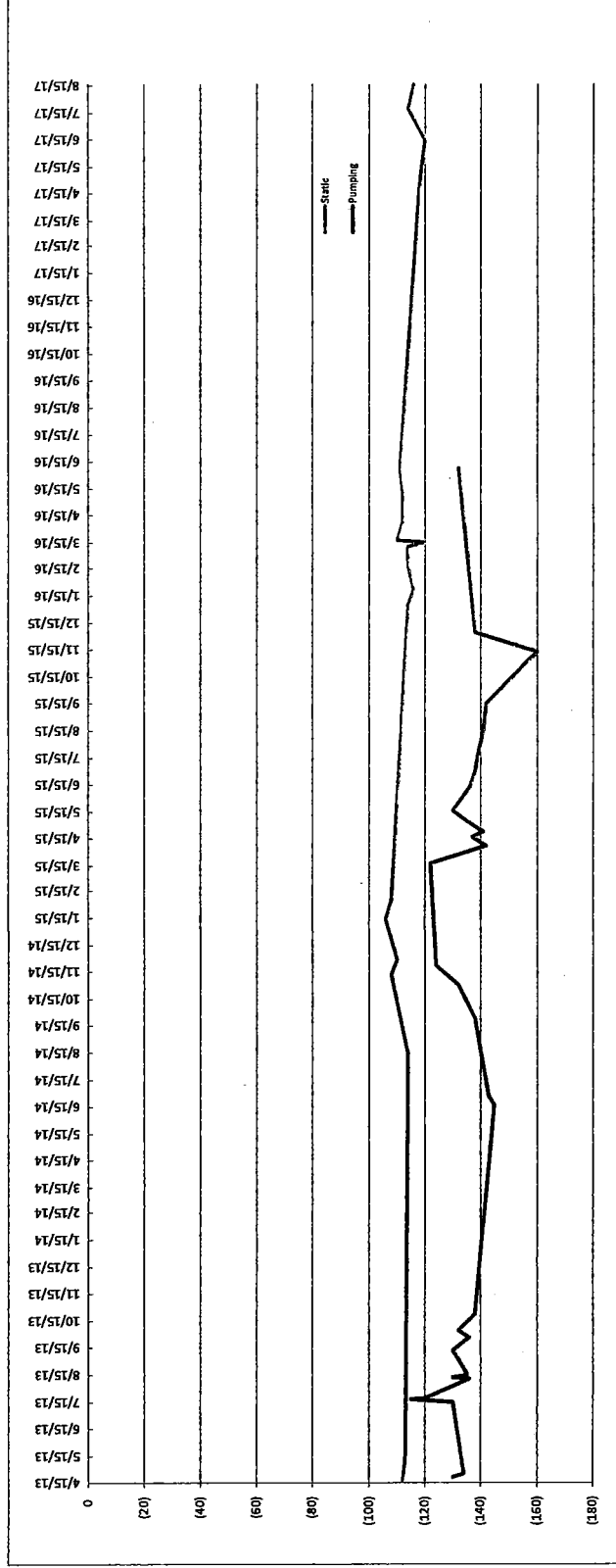
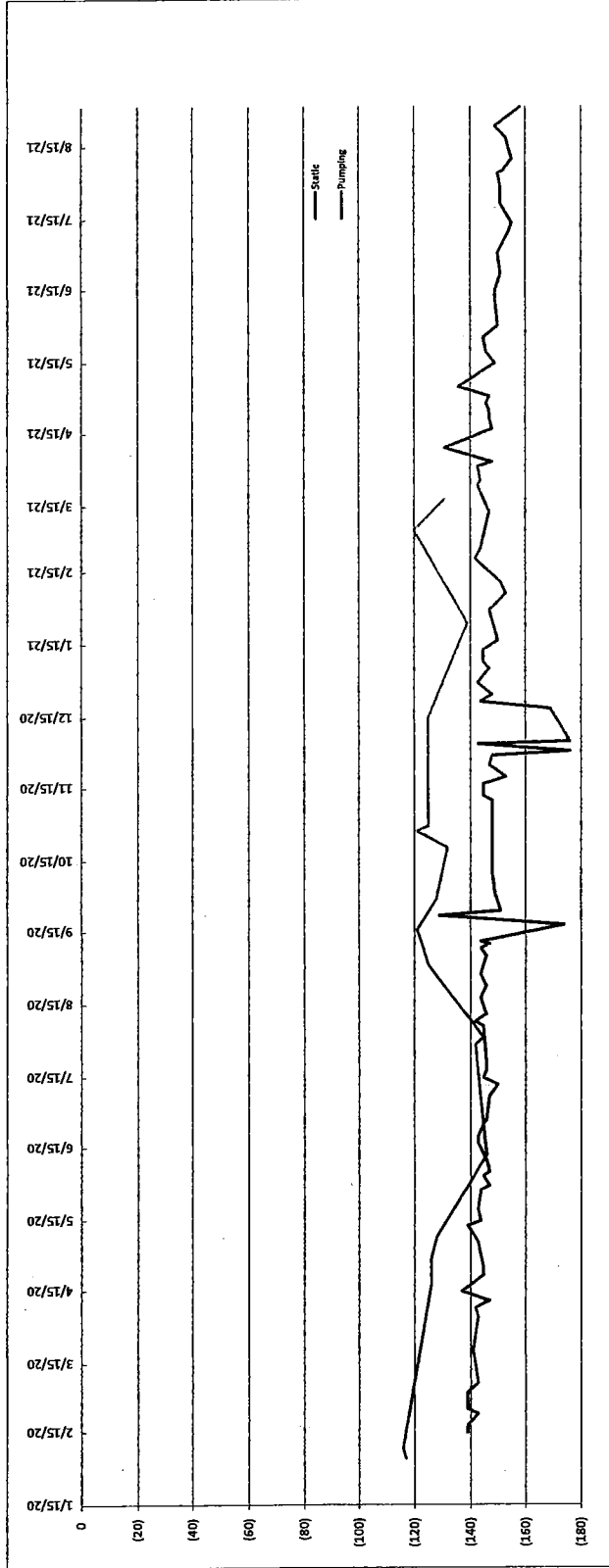
RO Ponds.

RO Ponds full very little leeway.

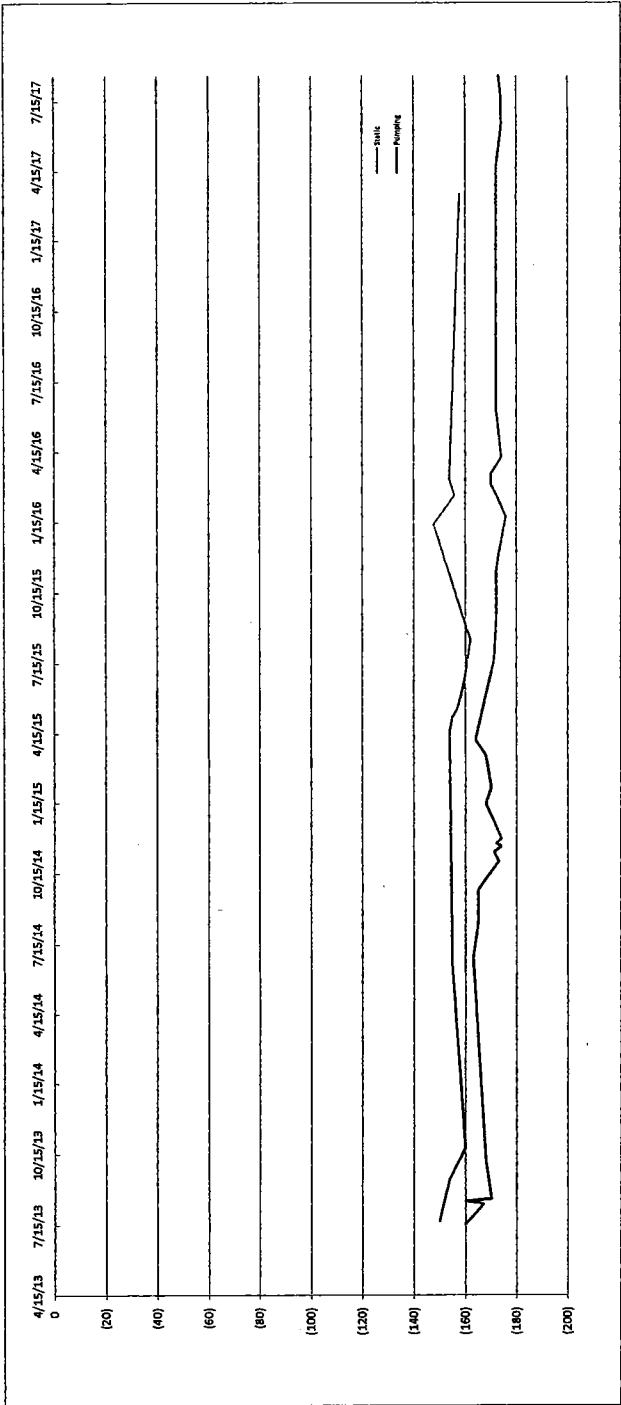
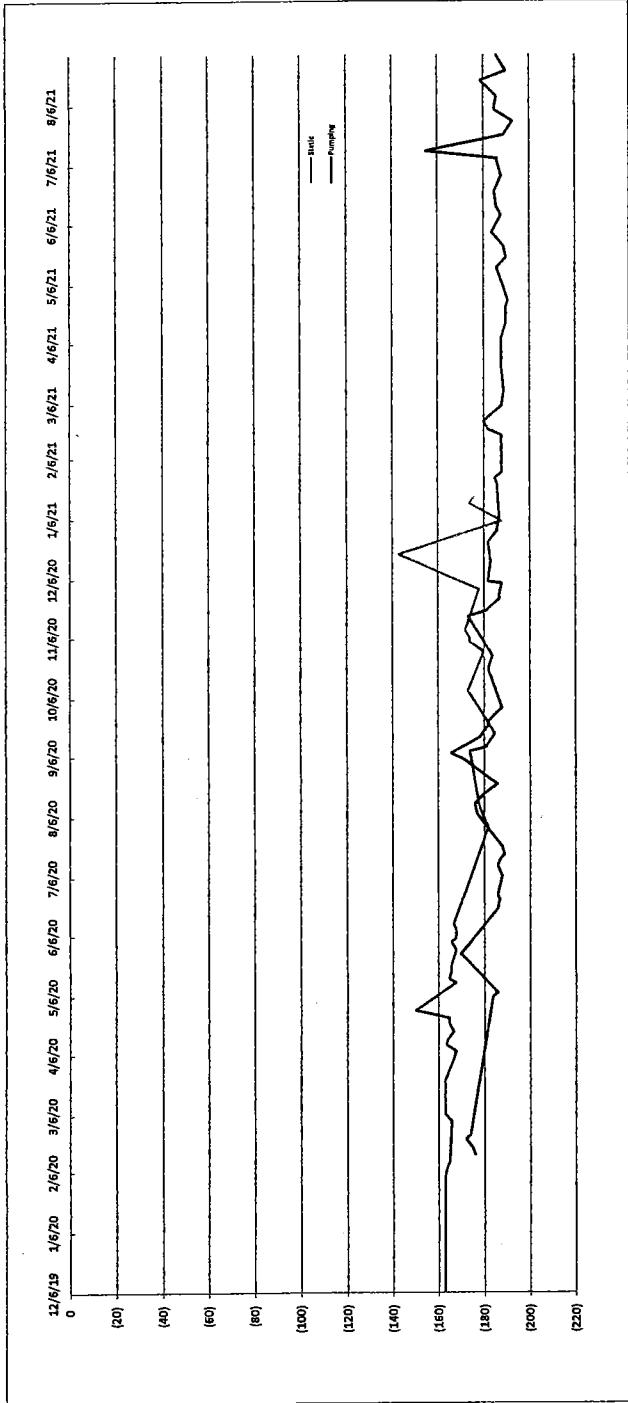
Atomizers up and running but at times will trip.

David Munoz - - Inframark

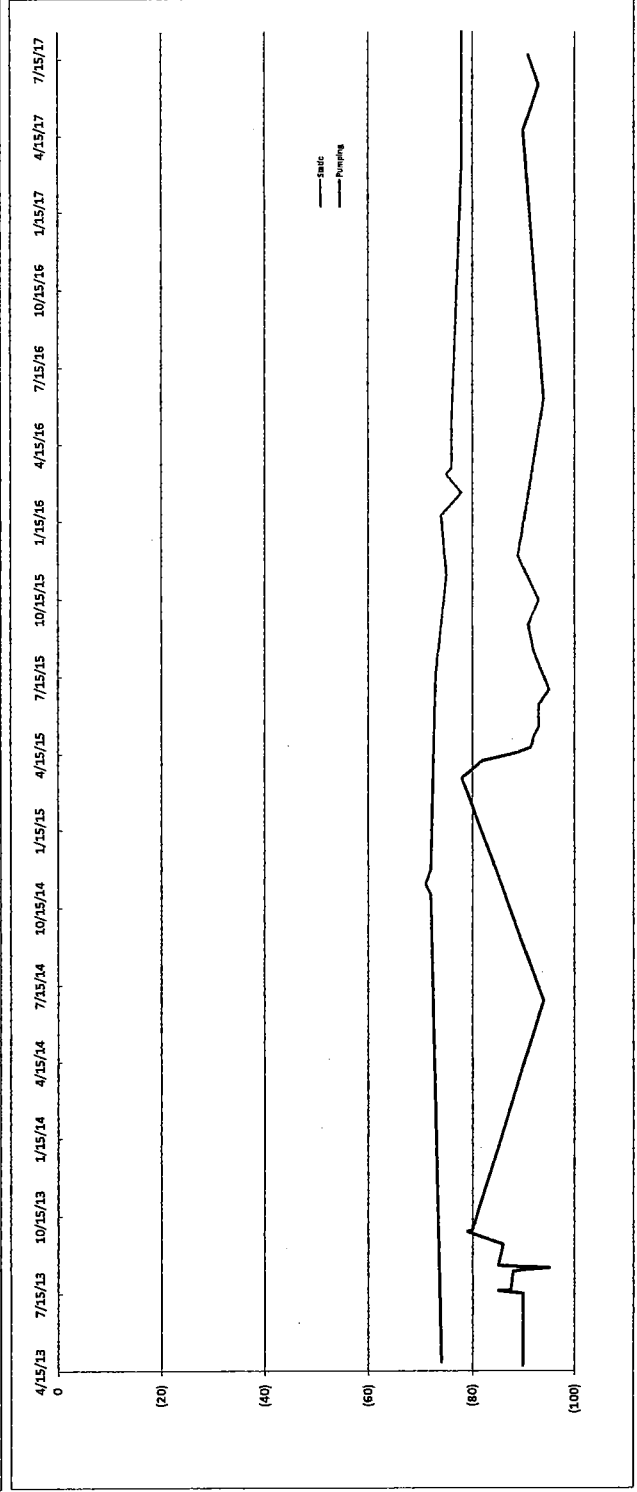
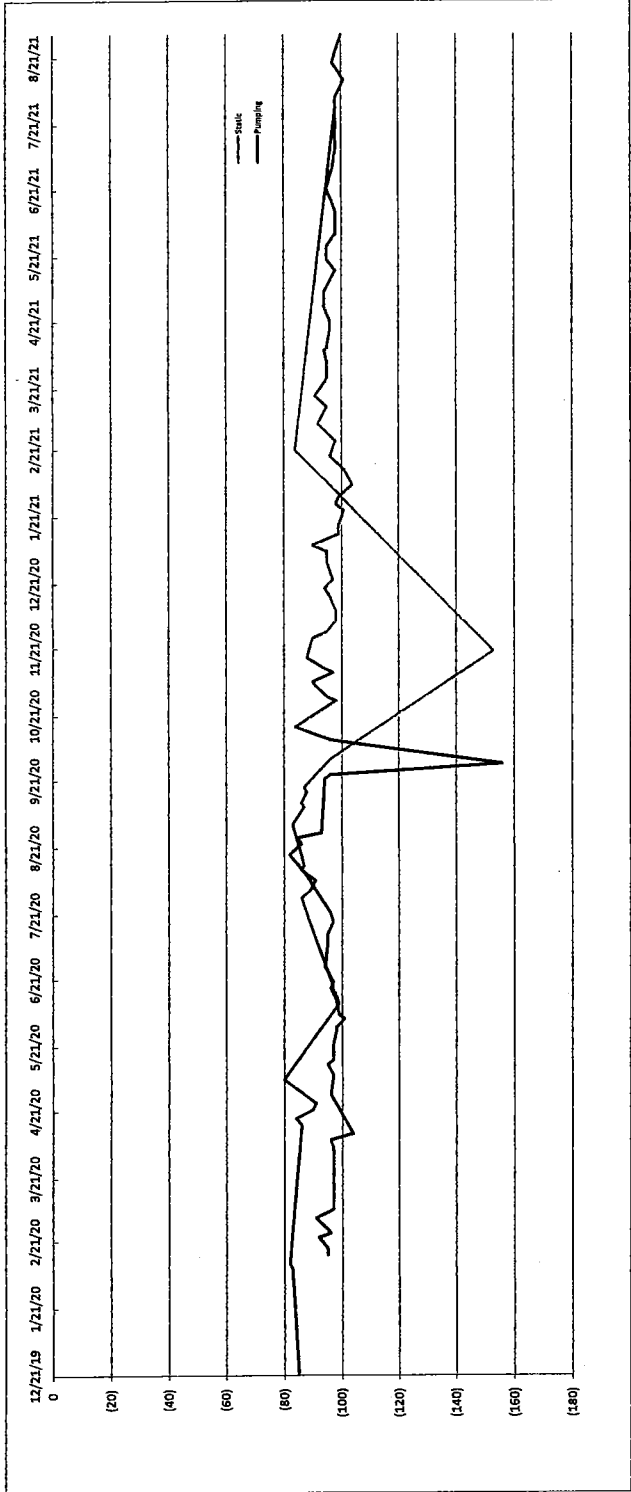
Well 1B



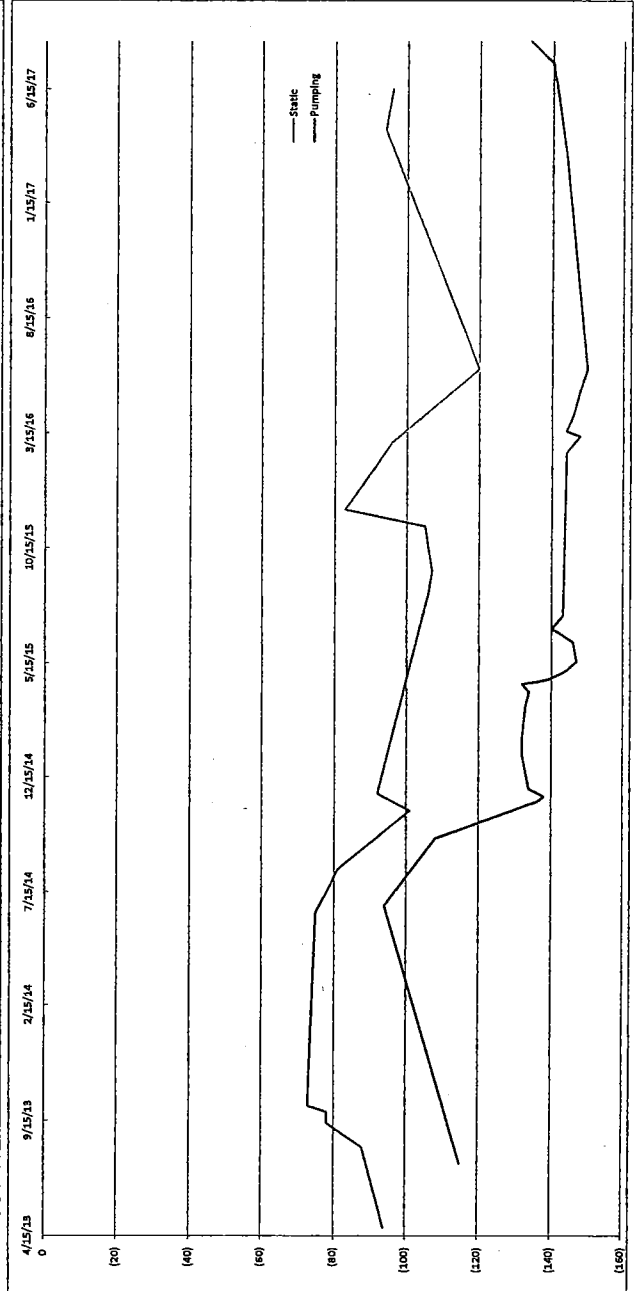
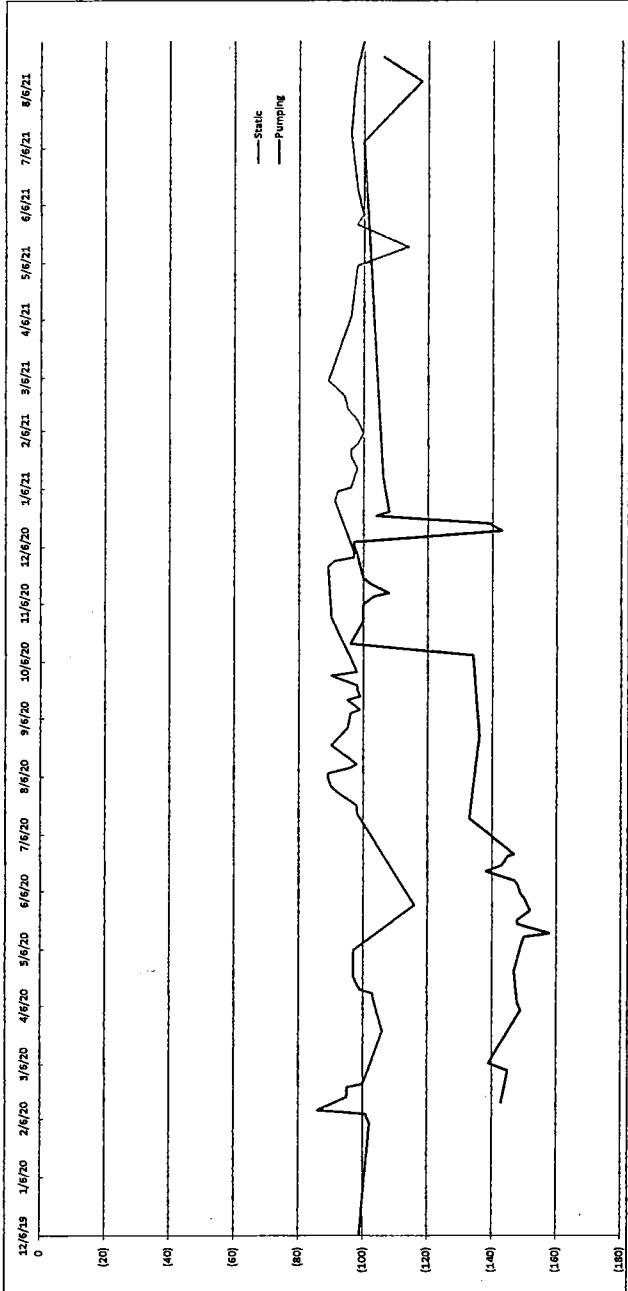
Well 4A



Well 6



Well 8





Engineering Solutions

MEMORANDUM

Via E-Mail

TO: Horizon Regional Municipal Utility District
Board of Directors

FROM: Linda Troncoso, P.E.

DATE: September 23, 2021

SUBJECT: September 23, 2021 Board Meeting
Engineer's Report
TRE Job No.: 1277-7388-54

The following is a brief summary of the major activities that TRE & Associates, LLC. (TRE) has been involved in since the District's last regular Board meeting.

Service Commitments Currently Under Review

See attached summary.

Plans Under Review

See attached summary.

Projects Under Construction

See attached summary.

Horizon City Roadway Projects

TRE is continuing to coordinate with the Town of Horizon on future roadway widening and rehabilitation projects. Regular meetings are now being held to discuss upcoming projects including the potential TIRZ and the improvements on both Darrington and Pawling/Oxbow.

County Roadway Projects

Coordination with the County and the Camino Real Regional Mobility Authority is ongoing for upcoming projects.

Elevated Storage Tanks and Water Model Update

Plans, specifications and permits have been approved by all parties for EST 5. The project will be advertised on October 3, 2021 for award at the October Board of Director's meeting.

Two Water Wells for RO Supply

The pumps have been set in Well Nos. 10 and 11. The electrical easements have been granted by the adjacent property owner and start up is scheduled on Well 10 in the next two weeks.

4.2 MGD RO Plant Expansion and Permit Amendment

The design survey is complete and the components for the new RO plant will be designed in conjunction with the evaluation for RO concentrate disposal. The General Permit for the RO Plant is approved.

RO Concentrate Disposal Management

Pumping and testing of the injection pilot well is complete. The laboratory analysis of the water has been received and a permitting coordination meeting was held with the TCEQ on Thursday, September 23, 2021.

The existing E3 MegaMist system is operational. E3 is awaiting chemical analysis of the concentrate at this time. The District has also received a quote for the anchoring of the dock system to be included with the installation of the second E3 system which will include sine filters and new motors for the existing system. Delivery is still scheduled for mid-October.

Wastewater Treatment Plant Expansion Design and Major Permit Amendment

TRE has initiated the design and is working with Inframark regarding specification, design, and integration of necessary components. The design survey is complete. The new wastewater treatment plant permit was issued on September 3, 2020.

Wheeler Well No. 8 Rehabilitation

The evaluation of this well has been approved but postponed until November when demand decreases.

Duanesburg Force Main Emergency Repair

Bain Construction has completed the repaving and is beginning the demolition and disposal of the existing AC force main in Horizon Boulevard. Pay Estimate No.5 is on the agenda for approval at this meeting.

Duanesburg Lift Station Rehabilitation

TRE has completed the design survey and is evaluating the cost difference between a package lift station replacement and rehabilitation of the existing lift station.

TRE & Associates, LLC

HRMUD Engineering Report
September 23, 2021
Page 3 of 3

Wastewater Treatment Plant Digester Emergency Repair

Inframark has currently taking the digester offline for the inspection. TRE is coordinating with the TCEQ for approval of the digester modifications at this time.

Linda Troncoso will be at the September BOD meeting to address any questions or comments you may have regarding these and any other items.

Attachment

cc: Mr. Charlie McGinnis, General Manager; HRMUD
Mr. John M. Jansing, Jr., P.E.; TRE & Associates, LLC
Mr. Adrian H. Rosas, P.E.; TRE & Associates, LLC

TRE & ASSOCIATES, LLC (revised 9/16/21)
COMMITMENT APPLICATIONS

Job #	Job Title	Date Received	Additional Info Request	Commitment Letter Released	Committed LUE's WW	Committed LUE's Wtr	Comments
1277-12051	Richard Zelt - 9 lots	8/24/2021				9	under review
1277-12099	Horizon City Unit 91 - 6 lots	7/20/2021			0	6	approved

TRE & ASSOCIATES, LLC (revised 9/16/21)
HR - CONSTRUCTION REVIEW

Job #	Job Title	Commitment Letter Released	Plans Received	Plan Comments Sent	Plan Approval	Comments
1277-11727	Horizon City Unit 64- 5 lots	5/23/2019				awaiting plan submittal
1277-11838	Horizon City Unit 91 - 22 lots	1/17/2020	12/16/2019	2/14/2020- 1st set 7/24/20 - 2nd set		awaiting revised plans
1277-11850	13300 Horizon Boulevard	2/20/2020	4/30/2020	6/3/2020		awaiting revised plans
1277-12011	Horizon Mesa Self Storage	2/17/2021	2/15/2021			under review
1277-12020	Corcoran Park Restroom	4/6/2021	3/11/2021	4/6/21 - 1st set 4/23/21 - 2nd set 8/5/21 - 3rd set		awaiting revised plans
1277-12036	283 South Darrington	5/25/2021	5/17/2021	6/8/2021		awaiting revised plans
1277-12059	HC Unit 91 Blk 791-792	6/9/2021	4/15/2021 6/29/21 2nd set	6/11/2021- 1st set 7/9/21- 2nd set 8/5/21 - 3rd set		awaiting revised plans
1277-12051	Polar Services Center	7/19/2021	7/19/2021			under review
1277-12079	Daddy O's Carwash	7/26/2021	7/19/2021			under review
1277-11852	Painted Desert at Mission Ridge Unit 4	7/19/2021	7/9/2021	7/29/2021		awaiting revised plans
1277-12036	283 S Darrington	6/9/2021	5/17/2021	6/8/2021		awaiting revised plans

TRE & ASSOCIATES, LLC (revised 9/16/21)
CONSTRUCTION OBSERVATION

Job #	Job Title	Plan Approval	Construction Start Date	Comments
1277-11826	Paseo del Este Unit 5	12/6/2019	11/24/2020	under construction
1277-11896	Rancho Desierto Bello Unit 13 Phase II	4/22/2020	2/16/2021	under construction
1277-11903	Summer Sky Unit 2	9/16/2020	6/28/2021	under construction
1277-11864	West Eastlake Estates Unit Two	3/5/2020	3/21/2021	under construction

TRE & ASSOCIATES, LLC (revised 9/16/21)
HR - APPROVED UTILITY SERVICE COMMITMENTS

Job #	Job Title	Commitment Letter Released	Committed LUE's WW	Committed LUE's Wtr	Plan Approval	Comments
1277-11727	Horizon City Unit 64- 5 lots	5/2/2019	5	5		awaiting plan submittal
1277-11826	Paseo del Este Unit 5	12/4/2019	215	215	12/6/2019	under construction
1277-11838	Horizon City Unit 91 - 22 lots	1/17/2020	0	22		awaiting revised plans
1277-11850	13300 Horizon Boulevard	2/20/2020	64	64		awaiting revised plans
1277-11864	West Eastlake Estates Unit Two	2/24/2020	118	118	3/5/2020	under construction
1277-11896	Rancho Desierto Bello Unit 13 Phase II	5/20/2020	82	82	4/22/2020	under construction
1277-11903	Summer Sky Phase 2	5/20/2020	215	215	9/16/2020	under construction
1277-12011	Horizon Mesa Self Storage	2/17/2020	3	3		under review
1277-12020	Corcoran Park Restroom	3/5/2021	1	1		awaiting revised plans
1277-12032	280 S. Darrington	5/22/2021	1	1		awaiting revised plans
1277-12051	Polar Services Center	7/19/2021	5	5		
1277-12079	Daddy O's Carwash	7/26/2021	32	32		
1277-11852	Painted Desert at Mission Ridge Unit 4	7/19/2021	276	276		
1277-12059	HC Unit 91 Blk 791-792	6/9/2021	0	11		awaiting revised plans

TOTAL OUTSTANDING COMMITMENTS

1017 1050