



Reunion Ranch WCID
General Manager Reports for the month of
APRIL 2024
Board Meeting: May 21st, 2024

Memorandum for: Board of Directors Reunion Ranch WCID

From: Dragan Sonnier

Date: May 21st, 2024

Subject: Operations and Maintenance Report

Below is a summary of activities since the last Board Meeting:

- A. **Administrative** – The stage 2 DCP signs have been placed. We will get a WO out to remove all, but the 2 main locations on 5/24.
- B. **Improvement of Wastewater Treatment Plant Operations** – Nothing significant to report.
- C. **Wastewater treatment plant & effluent subsurface irrigation**
 - a. All facilities comply for the month; **(BOD & TSS are both below 5 this month)**
 - Plant's capacity is at 81.8%; total flows are 1.96 MG; average flows are 65,460 GPD.
 - b. **Bar Screen Repair**
 - Talked with Ron, our contact with Rage, He let me know they are still waiting for the mesh to be delivered before they can make the repair.
 - c. **Weir Meter**
 - We recently contacted Southern Flow, who recently repaired the weir toward the end of 2023. The weir meter data was not computing accurately on the SCADA end and it was bringing up some concerns. Upon Southern Flow coming out we discovered several issues with how the meter is recording the read data. One of those being that it was on a 24 hour loop, and not a rolling cycle. That has now been corrected. Additionally, there was a multiplying factor that was causing the reads to be off by roughly 30%. Our ops team worked closely with Southern Flow and got the weir meter to begin recording correctly moving forward.
- D. **Wastewater collection system** - Nothing significant to report.
- E. **Water distribution system**
 - a. Water accountability is at 102.06% for the month.
 - b. Billing cycle from March 19th - April 16th, 2024
- F. **Stormwater Conveyance & Pond maintenance**
 - a. Inframark conducted Pond inspections on April 17th. Work orders were issued for areas of concern.
- G. **Customer matters, complaints, reports & updates**

a. Leak adjustment request

- Received a request for a one-time leak adjustment from customer. Customer states their sprinkler controller malfunctioned causing extremely high run times resulting in their bill being extremely higher than usual. They initially thought that it was a leak due to the excessive water, the sprinkler repair let them know the controller run times were “bizarre” and adjusted the times to the proper settings and recommended a replacement if the problem persists.

H. Customer billing & delinquencies

- a. Mailed 7 Delinquent Letters; 6 tags hung, 0 disconnects.

I. Authorizations for expenditures related to contracts, repairs, replacements, operations improvements, and maintenance.

Current Items for Board consideration:

- The board currently has 2 boxes that contain cash receipts from 2013-2015, we request that these be shredded.

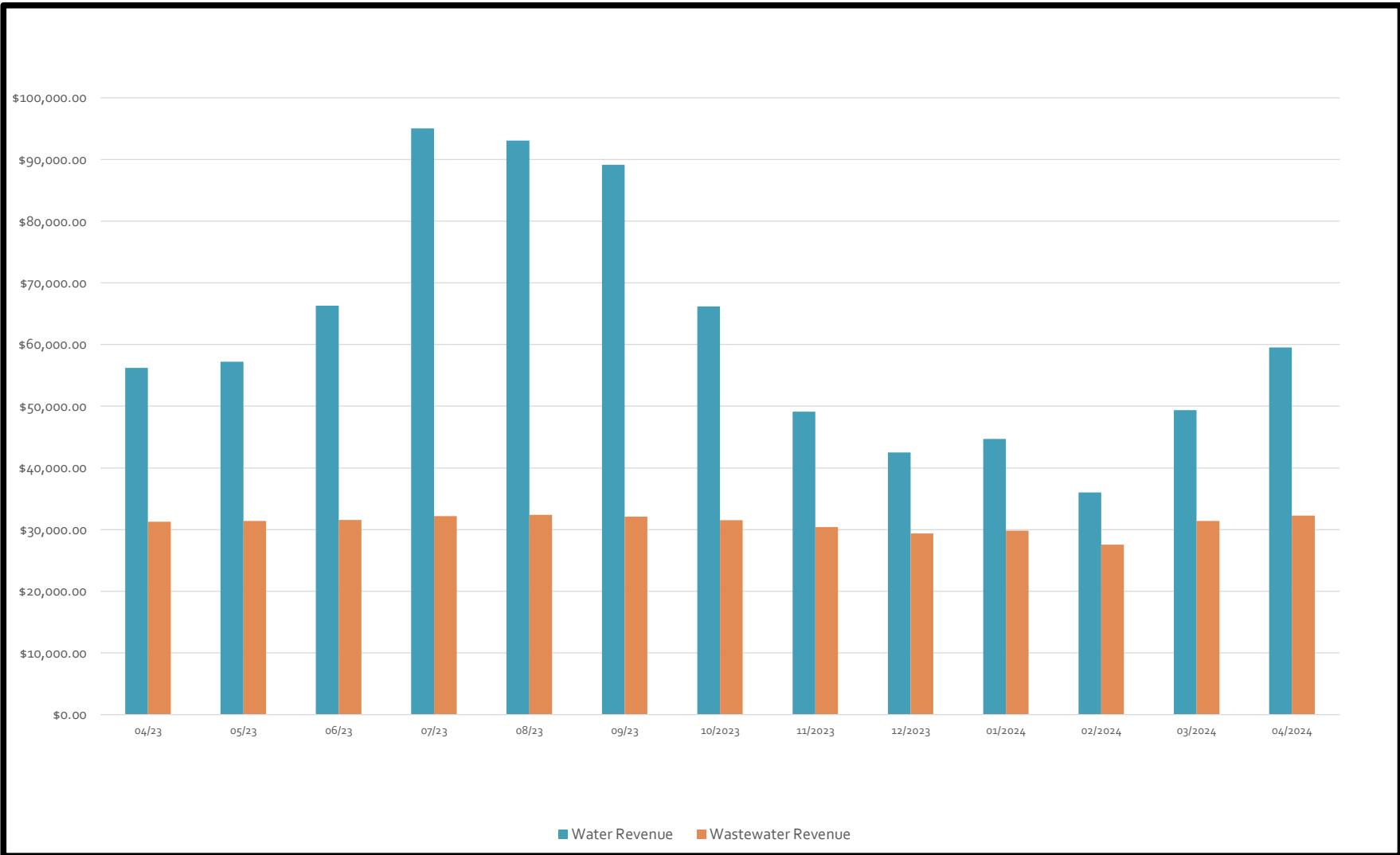
Vendor	Amount	Description	Work Order #



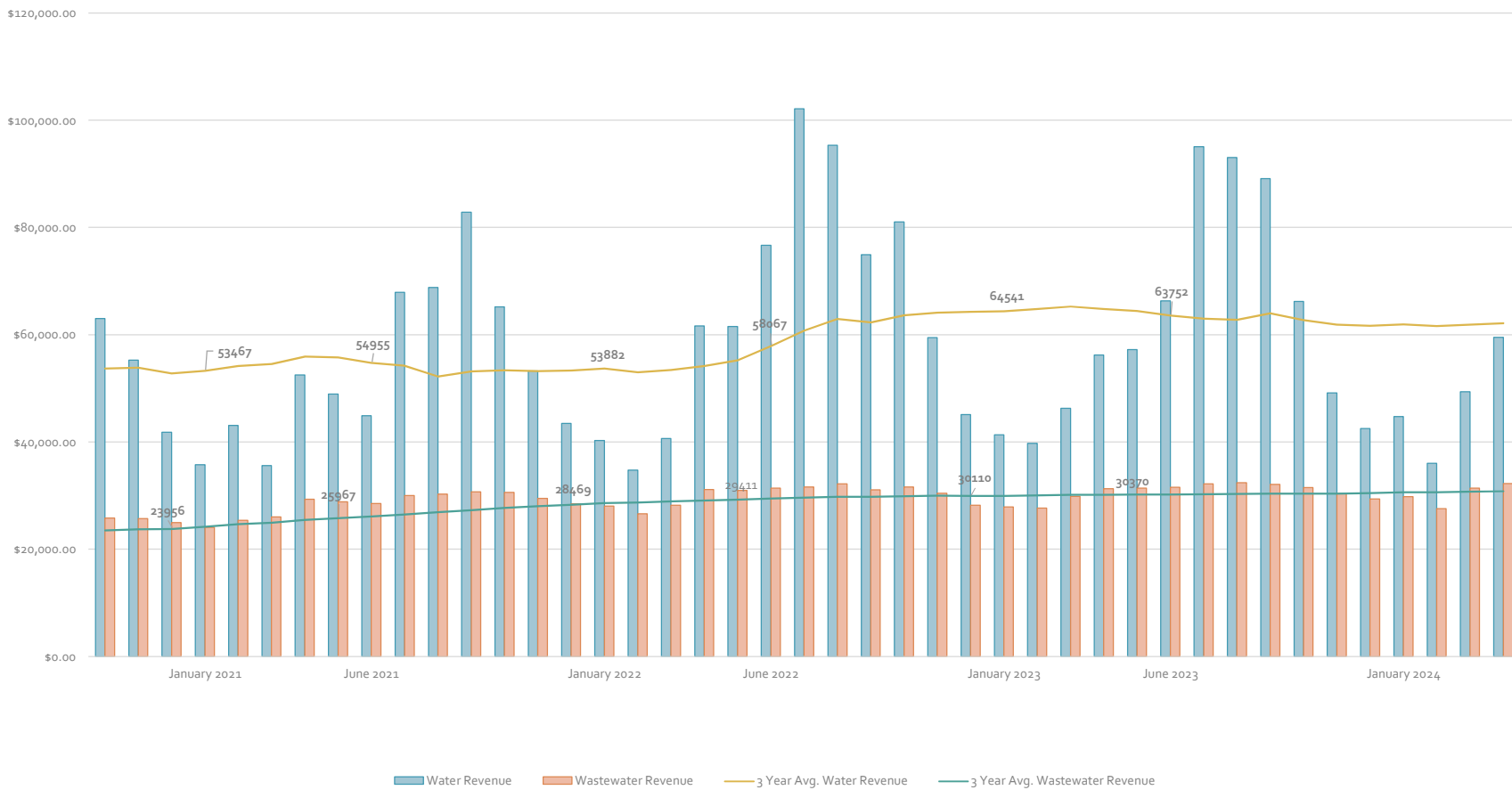
Billing Summary

Description	Connections		Variance
	Apr-23	Apr-24	
Residential	518	518	-
Commercial - HOA	16	16	-
Hydrant	-	-	-
Tracking	1	1	-
Reclaimed	-	-	-
Total Number of Accounts Billed	535	535	-
	Consumption		
Residential	6,818,000	7,015,000	197,000
Commercial - HOA	1,323,000	993,000	(330,000)
Hydrant	-	-	-
Tracking	-	222,000	222,000
Reclaimed	-	-	-
Total Gallons Consumed	8,141,000	8,230,000	89,000
	Average Consumption		
Residential	13,162	13,542	380
Commercial - HOA	82,688	62,063	(20,625)
Hydrant	-	-	-
Tracking	-	222,000	222,000
Reclaimed	-	-	-
Avg Water Use for Accounts Billed	15,216.82	15,383.18	166
Total Billed	90,146	92,313	2,167
Total Aged Receivables	5,366	1,324	(4,042)
Total Receivables	95,512	93,637	(1,875)

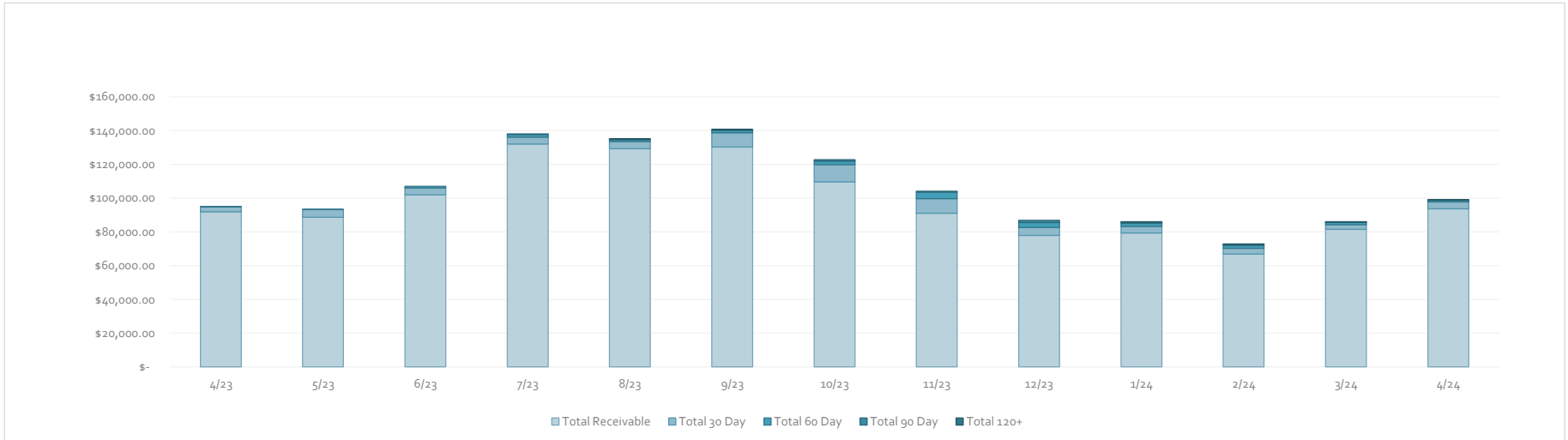
12 Billing Month History Revenue by Category



3 Year Average Monthly Water and Wastewater Revenue



12 Month Accounts Receivable and Collections Report



Date	Total Receivable	Total 30 Day	Total 60 Day	Total 90 Day	Total 120+
4/23	\$ 91,903.25	\$ 2,806.60	\$ 161.92	\$ -	\$ -
5/23	\$ 88,598.46	\$ 4,567.29	\$ 114.54	\$ -	\$ -
6/23	\$ 101,920.00	\$ 3,981.83	\$ 1,024.89	\$ -	\$ -
7/23	\$ 131,954.85	\$ 4,049.22	\$ 1,598.45	\$ 381.27	\$ -
8/23	\$ 129,137.40	\$ 4,322.34	\$ 1,185.35	\$ 183.70	\$ 108.56
9/23	\$ 130,249.05	\$ 8,392.04	\$ 1,508.14	\$ 222.37	\$ 51.74
10/23	\$ 109,539.82	\$ 10,237.77	\$ 2,081.91	\$ 849.67	\$ -
11/23	\$ 91,090.03	\$ 8,469.03	\$ 3,894.42	\$ 580.51	\$ -
12/23	\$ 77,925.27	\$ 4,690.76	\$ 2,953.44	\$ 1,186.15	\$ -
1/24	\$ 79,377.03	\$ 3,914.91	\$ 1,634.94	\$ 883.49	\$ 129.96
2/24	\$ 66,826.77	\$ 3,385.87	\$ 1,851.95	\$ 632.16	\$ 11.92
3/24	\$ 81,497.55	\$ 2,676.85	\$ 1,417.80	\$ 223.13	\$ 51.33
4/24	\$ 93,636.54	\$ 4,085.11	\$ 961.60	\$ 109.46	\$ 109.46

Board Consideration to Write Off \$0.00

Board Consideration Collections \$0.00

*All accts 90+ days in arrears are currently in DLQ process

Delinquent Letter Mailed 7

Delinquent Tags Hung 6

Disconnects for Non Payment 0



Water Production and Quality

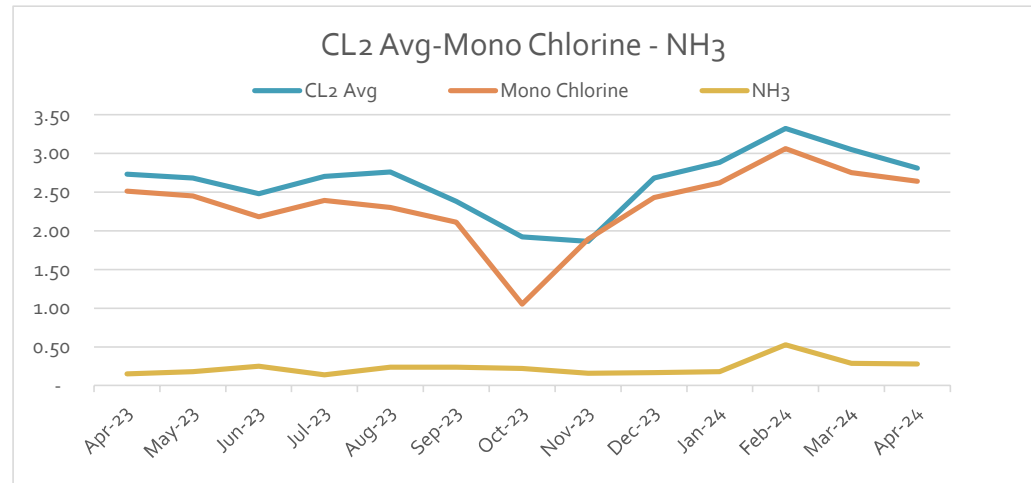
Water Quality Monitoring

Current Annual Avg

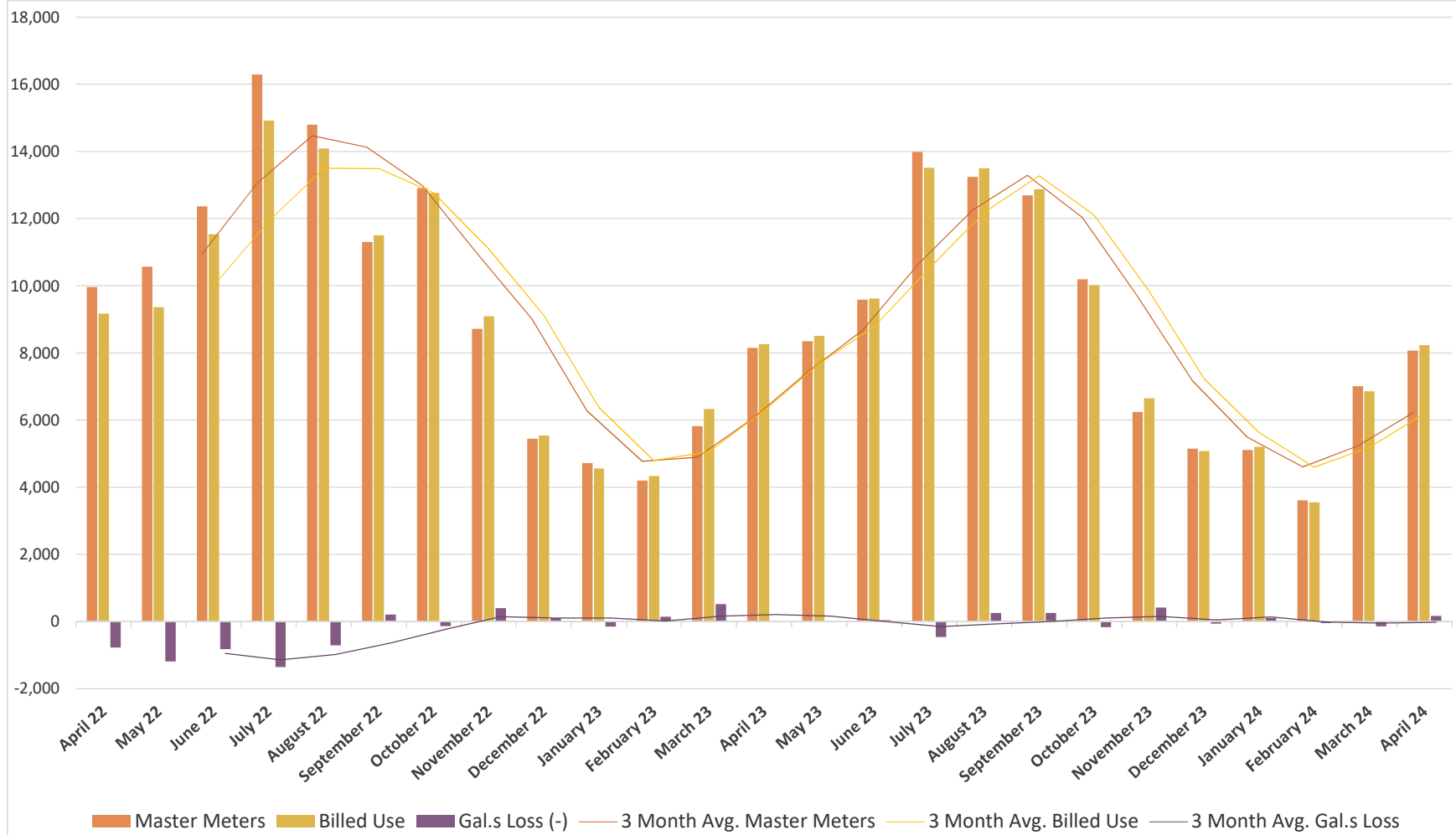
State Requirements Must Be Above .50

2.63

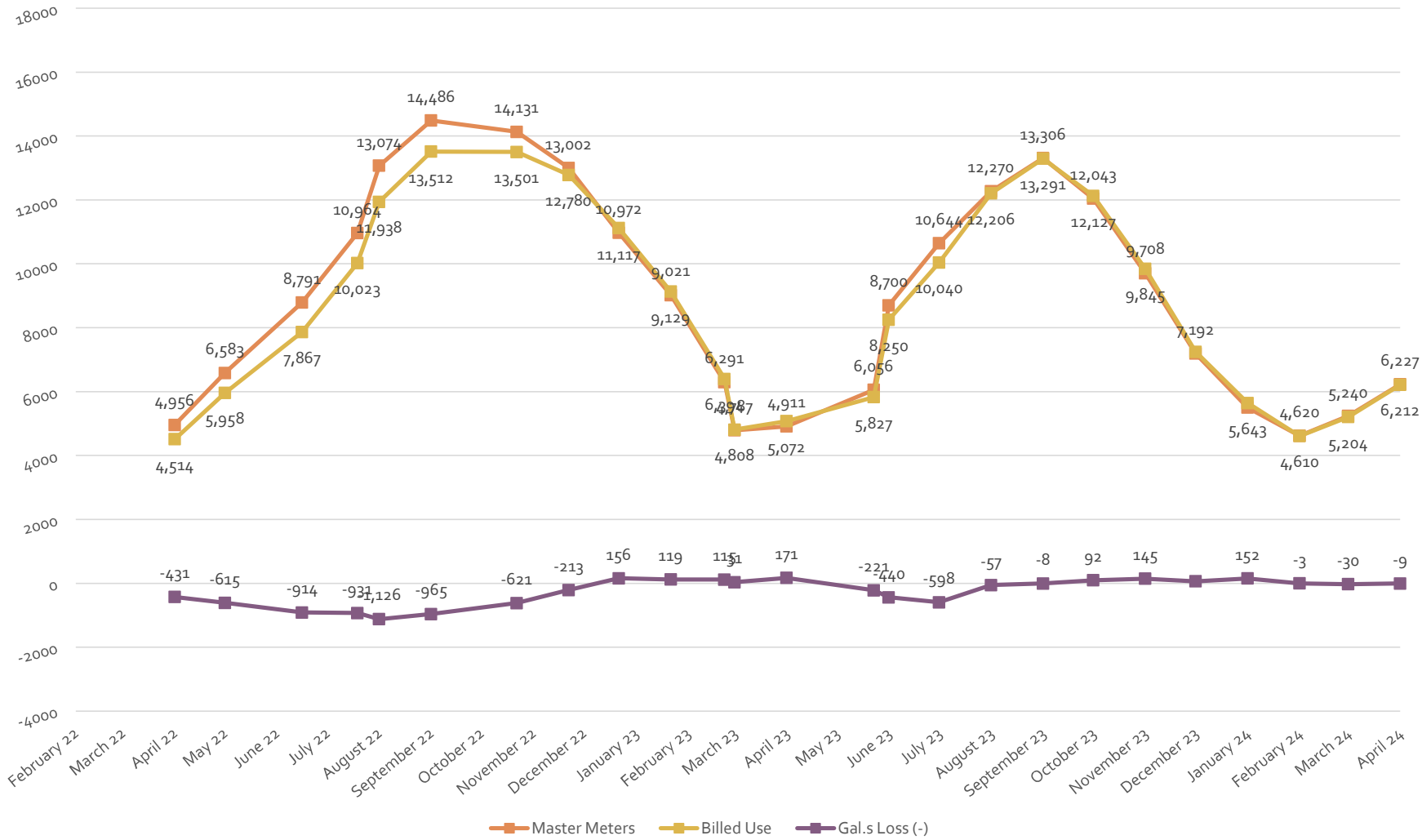
Date	CL2 Avg	Mono Chlorine	NH3
Apr-23	2.73	2.51	0.15
May-23	2.68	2.45	0.18
Jun-23	2.48	2.18	0.25
Jul-23	2.70	2.39	0.14
Aug-23	2.76	2.30	0.24
Sep-23	2.38	2.11	0.24
Oct-23	1.92	1.05	0.22
Nov-23	1.86	1.89	0.16
Dec-23	2.68	2.43	0.17
Jan-24	2.88	2.62	0.18
Feb-24	3.32	3.06	0.53
Mar-24	3.05	2.75	0.29
Apr-24	2.81	2.64	0.28



Water Accountability Report



3 Month Billed vs Water Loss Average

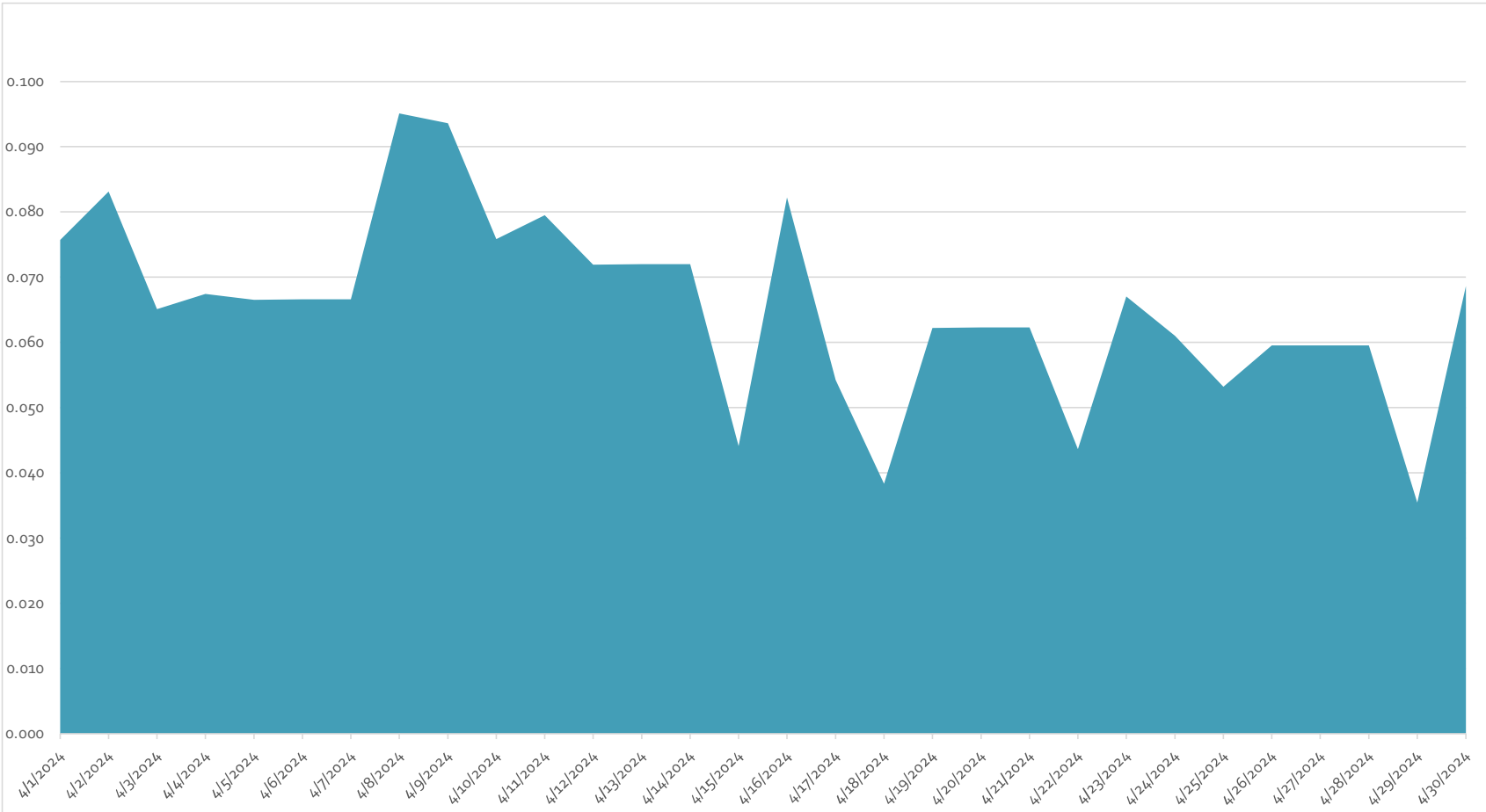


Month	Read Date	Number of Connections	Master Meters	Billed Use	Flushing /Other	Gal.s Loss (-)	% Loss	Accounted For
January 22	1/18/22	527	5,080	4,842	13	(225)	-4.43%	95.57%
February 22	2/17/22	527	3,942	3,636	11	(295)	-7.48%	92.52%
March 22	3/17/22	528	5,847	5,064	9	(774)	-13.23%	86.77%
April 22	4/18/22	528	9,960	9,174	9	(777)	-7.80%	92.20%
May 22	5/18/22	527	10,566	9,364	11	(1,191)	-11.27%	88.73%
June 22	6/16/22	527	12,365	11,530	9	(826)	-6.68%	93.32%
July 22	7/19/22	527	16,291	14,920	11	(1,360)	-8.35%	91.65%
August 22	8/19/22	534	14,801	14,085	6	(710)	-4.80%	95.20%
September 22	9/19/22	533	11,301	11,498	11	208	1.84%	101.84%
October 22	10/19/22	535	12,905	12,758	10	(137)	-1.06%	98.94%
November 22	11/18/22	534	8,711	9,094	14	397	4.56%	104.56%
December 22	12/19/22	535	5,446	5,535	7	96	1.76%	101.76%
January 23	1/18/23	535	4,716	4,553	14	(149)	-3.16%	96.84%
February 23	2/20/23	534	4,199	4,336	8	145	3.45%	103.45%
March 23	3/20/23	535	5,819	6,328	8	517	8.88%	108.88%
April 23	4/18/23	535	8,149	8,257	8	7	0.09%	100.09%
May 23	5/18/23	535	8,348	8,506	8	7	0.08%	100.08%
June 23	6/16/23	535	9,585	9,617	7	39	0.41%	100.41%
July 23	7/17/23	535	13,982	13,509	7	(466)	-3.33%	96.67%
August 23	8/16/23	535	13,244	13,493	8	257	1.94%	101.94%
September 23	9/18/23	535	12,693	12,871	8	257	2.02%	102.02%
October 23	10/18/23	535	10,192	10,017	8	(167)	-1.64%	98.36%
November 23	11/16/23	535	6,239	6,646	8	415	6.65%	106.65%
December 23	12/15/23	535	5,146	5,076	8	(62)	-1.20%	98.80%
January 24	1/18/24	535	5,110	5,206	8	104	2.04%	102.04%
February 24	2/19/24	535	3,603	3,548	5	(50)	-1.39%	98.61%
March 24	3/18/24	535	7,006	6,859	3	(144)	-2.06%	97.94%
April 24	4/16/24	535	8,071	8,230	7	166	2.06%	102.06%



Wastewater Production and Quality

Wastewater Flows for the Month of April



For the Month of April

	PERMIT	ACTUAL	COMPLIANT?	PERCENT
Flow WWTP (Avg.)	0.08 MGD	0.065 MGD	Yes	81.8%
BOD (Avg)	20 mg/L	2.4 mg/L	Yes	
TSS (Avg)	20 mg/L	1.0 mg/L	Yes	
Chlorine Residual (Min)	1.0 mg/L	1.1 mg/L	Yes	
PH (Min)	6.0 Std Units	8.09 Std Units	Yes	
PH (Max)	9.0 Std Units	8.09 Std Units	Yes	
Turbidity (Avg.)	N/A	N/A	0.8 NTU's	N/A

Reunion Ranch WCID Wastewater Flow Historical

	Connections	Total Flows	Average	Avg Flow Per Connection	WWTP Capacity %
Dec-24					0%
Nov-24					0%
Oct-24					0%
Sep-24					0%
Aug-24					0%
Jul-24					0%
Jun-24					0%
May-24					0%
Apr-24	535	1,963,800	65,460	122	82%
Mar-24	535	2,239,400	72,200	135	90%
Feb-24	535	1,793,400	61,840	116	77%
Jan-24	535	2,152,300	69,430	130	87%
TOTALS		8,148,900	67,233	126	84%
Dec-23	535	1,907,100	61,519	115	77%
Nov-23	535	1,758,200	58,607	110	73%
Oct-23	535	1,848,100	59,616	111	75%
Sep-23	535	2,048,100	68,270	128	85%
Aug-23	535	1,802,900	58,160	109	73%
Jul-23	534	1,781,900	57,480	108	72%
Jun-23	535	2,163,600	72,120	135	90%
May-23	535	2,378,000	76,739	143	96%
Apr-23	535	1,692,800	56,430	105	71%
Mar-23	535	1,765,000	56,935	106	71%
Feb-23	534	1,519,500	54,270	102	68%
Jan-23	535	1,795,000	57,900	108	72%
TOTALS		22,460,200	738,046.00	115	77%
Dec-22	535	1,961,200	63,260	118	79%
Nov-22	534	1,814,800	60,500	113	76%
Oct-22	535	1,553,200	50,100	94	63%
Sep-22	533	1,597,300	53,240	100	67%
Aug-22	534	1,728,000	55,700	104	70%
Jul-22	527	1,691,700	54,600	104	68%
Jun-22	527	1,710,300	57,010	108	71%
May-22	527	1,788,600	57,697	109	72%
Apr-22	528	1,718,600	57,290	109	72%
Mar-22	528	1,679,500	54,177	103	68%
Feb-22	527	1,638,800	58,530	111	73%
Jan-22	527	1,668,500	53,800	102	67%
TOTALS		20,550,500	56,325.33	106	70%

* High flows due to meter reads being pulled at the skid

To: mudcustomerservice@inframark.com

From: [REDACTED]

Sent: May 14, 2024 at 11:52 AM CDT

Subject: Request for adjustment

Good morning, my name [REDACTED]
We received our water bill and to our surprise it was incredibly high from recent months. We had someone come fix our sprinkler system and noticed the controller had malfunctioned for some reason. We thought we had a leak but the controller had messed up and added way more water times. We called thinking we had a leak but found out the system went haywire. Our bill last month was 213 and this one was 1,317. Obviously there was a problem. Can we get a one time adjustment on this bill please. I'm sending a copy of the bill and the sprinkler companies bill as well stating the reason for the excess water usage. Thank you in advance for your consideration.

On May 14, 2024, at 4:56 PM, csaus <csaus@inframark.com> wrote:

Good afternoon [REDACTED]

Based on the District Rate Order, faulty irrigation programming doesn't qualify for a leak adjustment. The WCID rules on adjustments is provided below for your review, but you can access the full rate order on the district website at www.rwcid.org.
Unfortunately, we can't grant an adjustment at this time, however if you need to schedule a payment arrangement, we will be happy to assist. Please let me know if you have any questions or if I can be of your further assistance.

<image001.png>

Regards,

Kathy Martire | Operations Support Coordinator

<image002.png>

Austin Region
(24HR) 800.579.4500 | www.inframark.com

From: [REDACTED]

Sent: Tuesday, May 14, 2024 4:59 PM

To: csaus <csaus@inframark.com>

Subject: Re: Reunion Ranch WCID- [REDACTED]

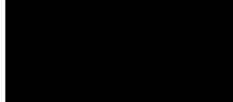
Well, that's very unfortunate. I will discuss this with my attorney because this was 100% not our fault. It's a shame since I've lived there for 8 years. Never once did this happen in this magnitude.

[REDACTED]

On May 14, 2024, at 4:56 PM, csaus <csaus@inframark.com> wrote:



Sprinkler Repair Pros



SERVICE DATE	Apr 10, 2024
INVOICE DATE	Apr 11, 2024
DUE	Upon receipt
AMOUNT DUE	\$0.00

CONTACT US

PO Box 90744
Austin, TX 78709

(512) 387-5966
SRPTrace@gmail.com

Service completed by: Armando Coria

INVOICE

Services	qty	unit price	amount
Labor (Residential) \$155/hr - 1 hour minimum \$38.75 - 15 minute increments	1.0	\$155.00	\$155.00
Subtotal			\$155.00
Total Tax			\$0.00
Standard Rate (8.25%)			\$0.00
Total			\$155.00

Payment History

Apr 10	Wed 7:08pm	Credit Card	\$155.00
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Notes:

Sprinkler Repair Pros | LI18694

<http://www.sprinklerrepairpros.com>

1 of 2

- Run times in controller were bizarre. Controller run times could have been corrupted by storm, electrical surge, or general defects within controller

- Adjusted run times to proper settings

- Recommend monitoring controller and run times. If issue persists, controller replacement recommended

Read Date (W)	04/16/2024
Meter Num.	53026395
Pres. Read	1716.0
Prev. Read	1618.0
Total GLS	98.0

Billing Period From:	03/19/2024
To	04/16/2024
Billing Date:	04/26/2024
Deposit Amount:	150.00

PAST DUE	17.95
WATER	1,216.30
SEWER	76.96
TWC	6.47
DROUGHT SURCHG	
DEPOSIT	
REFUND AMOUNT	
MISCELLANEOUS	

CONFIDENTIAL

Penalty	129.32
Payment Due Date	05/18/2024
Gross	1,447.00

Net	1,317.68
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Usage History

Read Area 1 | Read Area 2 | Read Area 3

Service Desc.	TBL Read Date	Old Read	New Read	E	USAGE	Day	MRI	Bill Period	Meter Number	Meter Note	Unit
WATER	23 03/18/24	1,602.0	1,618.0		16.0	28	030	04/2024	53026395	ns	
WATER	23 02/19/24	1,591.0	1,602.0		11.0	32	030	03/2024	53026395		
WATER	23 01/18/24	1,577.0	1,591.0		14.0	34	030	02/2024	53026395		
WATER	23 12/15/23	1,566.0	1,577.0		11.0	29	030	01/2024	53026395		
WATER	23 11/16/23	1,555.0	1,566.0		11.0	29	030	12/2023	53026395		
WATER	23 10/18/23	1,547.0	1,555.0		8.0	30	030	11/2023	53026395		
WATER	23 09/18/23	1,492.0	1,547.0		55.0	33	030	10/2023	53026395		
WATER	23 08/16/23	1,471.0	1,492.0		21.0	30	030	09/2023	53026395		

From [REDACTED]
Sent: Friday, May 10, 2024 2:56 PM
To: csaus <CSAUS@Inframark.com>
Subject: Variance for New Landscaping

Hello ,

I have a landscape contractor who is finishing an update for "new landscaping" (alters more than one-half of the area of an existing landscape).

The landscaping change was approved 06Mar24 (see snippet below) with the intent to remove a significant portion of grass and replace with native plants on drip irrigation.

I would like to request a variance on the water restrictions for a couple of weeks (see the plan below). Details are:


- * There is a small amount of new grass in the front that would be watered to allow it to establish. This would water daily.
- * The existing grass in the back would follow the current water restrictions (only water on Saturdays)
- * The new native plants would drip every other day at 2am

Once the new grass and plants are established I would change all to follow the drought contingency plan.

Please consider this. These landscaping changes were done to lower my water footprint appropriate for the new normal in Central Texas!

Thanks!

[REDACTED]

 03/06/2024 6:12 AM
Formatted Note

Hello,
The Architectural Review Committee has reviewed the application for the rear and front yard landscaping and it is hereby approved. We have noted that you wish to remove the rainwater tanks from the application; if you decide to move forward with these in the future please submit them on another application.

Please provide photos of the areas that have changed along with the NOC when you are able.

Thank you,
Holly McKenzie
Reunion Ranch Architectural Review Committee

█
Please see updated station descriptions for your property.
I have updated them in the Hunter Hydrowise App as well.

Station Descriptions

1. Front drip beds left of driveway entrance
2. Front grass MPs
3. Front spray beds to the left of front door
4. Front spray beds to the right of front door
5. Front drip bed near left gate
6. Back left grass MPs along patio steps
7. Back left grass MPs near beds
8. Back left drip bed
9. Back right grass MPs
10. Back right drip bed
11. Front/back right drip beds

Programs

Beds: Mon/Wed/Fri/Sat 2am

New Grass Frontyard: Everyday 1am - for 2weeks

Backyard Grass - Saturdays 7am and 6pm as per water restrictions

Once new plants and grass get established we can reduce frequency of watering.

Let me know if you have any questions.

Thanks,

Brian Stewart LI 19934

Owner

Heartland Sprinklers

512-202-2858

www.heartlandsprinklers.com

Reunion Ranch WCID

2023 Drinking Water Quality Report

DEAR CUSTOMER:

This report is intended to provide you with important information about your drinking water and the efforts made by the water system to provide safe drinking water.

The sources of drinking water (both tap water and bottled water) generally include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals, and in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline (1-800-426-4791). Contaminants that may be present in the source water include:

1) Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife 2) Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming. 3) Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses. 4) Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also, come from gas stations, urban storm water runoff, and septic systems. 5) Radioactive contaminants, which can be naturally- occurring or be the result of oil and gas production and mining production and mining activities.

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Contaminants may be found in drinking water that may cause taste, color, or odor problems. These types of problems are not necessarily causes for health concerns. For more information on taste, odor, or color of drinking water, please contact the district's operator, Inframark.

You may be more vulnerable than the general population to certain microbial contaminants such as Cryptosporidium, in drinking water. Infants, some elderly, or immunocompromised persons such as those undergoing chemotherapy for cancer; those who have undergone organ transplants; those who are undergoing treatment with steroids; and people with HIV / AIDS or other immune system disorders can be particularly at risk from infections. You should seek advice about drinking water from your physician or health care provider. Additional guidelines on appropriate means to lessen the risk of infection by Cryptosporidium are available from the Safe Drinking Water Hotline at (800-426-4791).

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. We are responsible for providing high quality drinking water, but we cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

The source of drinking water for Reunion Ranch WCID is purchased treated surface water from the West Travis County Regional water system that comes from Lake Austin.

TCEQ completed a Source Water Susceptibility for all drinking water systems that own their sources. This report describes the susceptibility and types of constituents that may come into contact with the drinking water source based on human activities and natural conditions. The system(s) from which we purchase our water received the assessment report. For more information on source water assessments and protection efforts at our system contact Dragan Sonnier, Inframark, at (512-921-5863).

For more information about your sources of water, please refer to the Source Water Assessment Viewer available at the following: <http://www.tceq.texas.gov/gis/swaview>

Further details about sources and source water assessments are available in Drinking Water Watch at the following URL: <http://dww2.tceq.texas.gov/DWWW/>

Many constituents (such as calcium, sodium, or iron) which are often found in drinking water can cause taste, color, and odor problems. The taste and odor constituents are called secondary constituents and are regulated by the State of Texas, not the EPA. These constituents are not required to be reported in this document but they may greatly affect the appearance and taste of your water. The pages that follow list all of the federally regulated or monitored contaminants which have been found in your drinking water. The U.S. EPA requires water systems to test for up to 97 contaminants.

When drinking water meets federal standards there may not be any health based benefits to purchasing bottled water or point of use devices.

Public input concerning the water system may be made at regularly scheduled meetings, generally held the 3rd Tuesday of each month at 3:00 PM. Willatt & Flickinger, 12912 Hill Country Blvd., Suite F-232, Bee Cave, Texas 78738. You may also contact Dragan Sonnier, Inframark, at 512-921-5863 with any concerns or questions you may have regarding this report.

Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar al tel. (281) 579-4500.

Definitions & Abbreviations:

Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

AVG: Regulatory compliance with some MCLs are based on running annual average of monthly samples.

Level 1 assessment: Study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.

Level 2 assessment: Very detailed study of the water system to identify potential problems and determine (if possible) why an E. coli MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level (MRDL): The highest level of disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG): The level of drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

MFL: Million Fibers per Liter (a measure of asbestos).

Mrem: millirems per year (a measure of radiation absorbed by the body).

N/A: Not applicable.

NTU: Nephelometric Turbidity Units (a measure of turbidity).

pCi/L: Picocuries per liter (a measure of radioactivity).

ppb: micrograms per liter or parts per billion.

ppm: milligrams per liter or parts per million.

ppq: Parts per quadrillion, or picograms per liter (pg/L).

ppt: Parts per trillion, or nanograms per liter (ng/L).

Treatment Technique or TT: A required process intended to reduce the level of a contaminant in drinking water.

Substance	Unit of Measure	Year	MCL	Average Level Detected	Min - Max Level Detected	MCLG	In Compliance	Typical Sources
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Inorganic Contaminants (Regulated at the Water Plant)

Nitrate	ppm	2023	10	0.13	0.1 - 0.16	10	Yes	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.
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Disinfectant Byproducts

Haloacetic Acids (HAA5)	ppb	2023	60	12.0	3.8 - 15.7	N/A	Yes	By-product of drinking water disinfection.
Total Trihalomethanes	ppb	2023	80	41.58	36.3 - 45.2	N/A	Yes	By-product of drinking water disinfection.

Substance	Unit of Measure	Year	MRDL	Average Level Detected	Min - Max Level Detected	MRDLG	In Compliance	Typical Sources
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Maximum Residual Disinfectant Level

Chlorine Residual	ppm	2023	4.0	2.58	2.17 - 2.79	4.0	Yes	Water additive used to control microbes.
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Substance	Unit of Measure	Year	90th % Value	EPA Action Level	Results above Action Level	MCLG	In Compliance	Typical Sources
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Lead and Copper (Regulated at Customers Tap)

Copper	ppm	2022	0.0437	1.3	0	1.3	Yes	Corrosion of household plumbing systems, erosion of natural deposits; leaching from wood preservatives.
Lead	ppb	2022	1.4	15	0	0	Yes	Corrosion of household plumbing systems; erosion of natural deposits.

Our Water Supply System Received Water From West Travis County Public Utility Agency Water Quality Results are Listed Below

Substance	Unit of Measure	Year	MCL	Average Level Detected	Min - Max Level Detected	MCLG	In Compliance	Typical Sources
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Radioactive Contaminants (Regulated at the Water Plant)

Combined Radium	pCi/L	2023	5	1.5	1.5 - 1.5	0	Yes	Erosion of natural deposits.
Gross Beta	pCi/L	2023	50	4.0	4 - 4	0	Yes	Decay of natural and man-made deposits.

Substance	Unit of Measure	Year	MCL	Average Level Detected	Min - Max Level Detected	MCLG	In Compliance	Typical Sources
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Unregulated Contaminants

Bromodichloromethane	ppb	2023	N/A	12.0	12 - 12	N/A	Yes	By-product of drinking water disinfection.
Bromoform	ppb	2023	N/A	4.6	4.6 - 4.6	N/A	Yes	By-product of drinking water disinfection.
Chloroform	ppb	2023	N/A	4.5	4.5 - 4.5	N/A	Yes	By-product of drinking water disinfection.
Dibromochloromethane	ppb	2023	N/A	15.0	15 - 15	N/A	Yes	By-product of drinking water disinfection.

Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted.

Inorganic Contaminants (Regulated at the Water Plant)

Barium	ppm	2023	2	0.07	0.07 - 0.07	2	Yes	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
Cyanide	ppb	2023	200	140.0	140 - 140	200	Yes	Discharge from plastic and fertilizer factories; discharge from steel/metal factories.
Fluoride	ppm	2023	4	0.23	0.23 - 0.23	4	Yes	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.
Nitrate	ppm	2023	10	0.16	0.16 - 0.16	10	Yes	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.

Turbidity

Turbidity has no health effects. However, turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea and associated headaches.

	Level Detected	Limit (Treatment Technique)	Violation	Likely Source of Contamination
Highest single measurement	0.5 NTU	1 NTU	No	Soil runoff.
Lowest monthly % meeting limit	100%	0.3 NTU	No	Soil runoff.

* All levels detected were below the MCLs.

Pond Maintenance Report RR RR Blvd Reunion Ranch
 Aquatic Features, Inc.
 6611 Burnet Lane 2024
 Austin, TX 78757

	Service Dates	10 th , 24th <u>Jan</u>	9th, 22nd <u>Feb</u>	7th, 21st <u>Mar</u>	4th, 19th <u>Apr</u>
1) Debris and litter removal		10 Gallons	20 Gallons	10 Gallons	10 Gallons
2) Vegetation condition for water quality		Good	Good	Good	Good
3) Control of Nuisance Vegetation- Chemical Applications		None	None	None	yes
Algae		None	None	None	minimal
Marginal/Shore Plants		None	None	None	None
Submerged Plants		None	None	None	yes
Invasives: Mosquite, Willow, Salt Cedar		None	None	None	None
4) Vegetation removal or request for removal		None	None	None	None
5) Monitor slopes inside, top and outside pond banks		Good	Good	Good	Good
6) Monitor Inlet and Outlet and Concrete Ramps Structures		Good	Good	Good	Good
Sedimenation build up		Present	Present	Present	Present
7) Aerator		Good	Good	Good	Good
8) Mosquito fish		Present	Present	Present	Present
9) Unusal occurences and Notes					



**STORMWATER POND INSPECTION
DRAIN OUTLET**

DISTRICT:	REUNION RANCH
DATE:	4/17/2024
WO #:	3600580
TECH.:	TAMMY YBARRA

Pond Location	DENISE COVE - STORM DRAIN
Pond water level	N/A
Does the pond drain within 48 hours?	N/A
Sediment depth in the forbay?	N/A
Sediment depth in the sand filter area?	N/A
Trash found at site?	N/A
Is vegetation below 18" in height?	N/A
Trees or brush found in basin area?	N/A
Condition of the media?	N/A
Condition of vegetation around the out fall pipe	N/A
Was sediment found in the under drain piping? Remove open clean out tops and check	N/A
Any damage to structural elements (pipes, concrete drainage, retaining walls, gabian walls, etc.)?	N/A
Discharge valve open operational	N/A
Emergency bypass valve closed and operational	N/A
Are all inlets in area clear of debris and sediment?	N/A
COMMENTS:	





STORMWATER POND INSPECTION

DISTRICT: REUNION RANCH

DATE: 4/17/2024

WO #: 3600580

TECH.: TAMMY YBARRA

Pond Location	JANE COVE - STORM DRAIN
Pond water level	N/A
Does the pond drain within 48 hours?	N/A
Sediment depth in the forbay?	N/A
Sediment depth in the sand filter area?	N/A
Trash found at site?	N/A
Is vegetation below 18" in height?	N/A
Trees or brush found in basin area?	N/A
Condition of the media?	N/A
Condition of vegetation around the out fall pipe	N/A
Was sediment found in the under drain piping? Remove open clean out tops and check	N/A
Any damage to structural elements (pipes, concrete drainage, retaining walls, gabian walls, etc.)	N/A
Discharge valve open operational	N/A
Emergency bypass valve closed and operational	N/A
Are all inlets in area clear of debris and sediment?	N/A
COMMENTS	





**STORMWATER POND INSPECTION
WET PONDS**

INFRAMARK <small>WATER INFRASTRUCTURE OPERATIONS</small> STORMWATER POND INSPECTION WET PONDS	DISTRICT: Reunion Ranch		
	DATE: 4/17/2024		
	WO #: 3600580		
	TECH.: TAMMY YBARRA		
		WO Initiated	WO Completed
Pond Location	WQP 2-2 (362 MARY ELISE)		
Pond water level?	90%		
Inlets in good structural condition?	YES		
Inlets clear of accumulated sediment or debris?	NO		
Trash found at site?	NO		
Sinkhole, cracks or seeps visible in the embankment?	NO		
Erosion present at shoreline?	NO		
Erosion occurring around the inlets or outlet structures?	NO		
Discharge valve open operational?	N/A		
Condition of vegetation around the out fall pipe?	OK		
Excessive algae blooms present?	YES		
Invasive plants present?	NO		
Trees or woody vegetation present on the dam or embankment?	NO		
Sediment has accumulated and reduced the volume of the pond?	NO DATA		
Aerator	NOT RUNNING		
COMMENTS:	POND LOOKS GOOD		
	CLEAR VEGETATION AROUND OUTFALL WO# 3627353	4/17/2024	
	SEAL CRACKS @ FOUNDATION @ SPILLWAY WO# 3627354	4/17/2024	





**STORMWATER POND INSPECTION
WET PONDS**

DISTRICT: REUNION RANCH

DATE: 4/17/2024

WO #: 3600580

TECH.: TAMMY YBARRA

WO Initiated

WO Completed

Pond Location	WQP 2-3 (ACROSS 2491 REUNION RANCH)		
Pond water level?	FULL		
Inlets in good structural condition?	YES		
Inlets clear of accumulated sediment or debris?	YES		
Trash found at site?	NO		
Sinkhole, cracks or seeps visible in the embankment?	YES		
Erosion present at shoreline?	NO		
Erosion occuing around the inlets or outlet structures?	NO		
Discharge valve open operational?	N/A		
Condition of vegetation around the out fall pipe?	OK		
Excessive algae blooms present?	NO		
Invaisve plants present?	NO		
Trees or woody vegetation present on the dam or embankment?	NO		
Sediment has accumulated and reduced the volume of the pond?	NO DATA		
COMMENTS:	POND LOOKS GOOD		





**STORMWATER POND INSPECTION
SAND FILTER SYSTEM**

DISTRICT:	REUNION RANCH
DATE:	4/17/2024
WO #:	3600580
TECH.:	TAMMY YBARRA

Pond Location	WQP 2-4 (568 KATIE)
Pond water level	WET
Does the pond drain within 48 hours?	YES
Sediment depth in the forbay?	2" - 3"
Sediment depth in the sand filter area?	1"
Trash found at site?	NO
Is vegetation below 18" in height?	YES
Trees or brush found in basin area?	NO
Condition of the media?	OK
Condition of vegetation around the out fall pipe	OK
Was sediment found in the under drain piping? Remove open clean out tops and check	NO
Any damage to structural elements (pipes, concrete drainage, retaining walls, gabian walls, etc.)?	NO
Trickle Channel or Splitter Box	OK
Emergency bypass valve closed and operational	N/A
Are all inlets in area clear of debris and sediment?	YES

WO Initia

STO

Pond Location
Pond water level
Does the pond drain within 48 hours?
Sediment depth in the forbay?
Sediment depth in the sand filter area?
Trash found at site?
Is vegetation below 18" in height?
Trees or brush found in basin area?
Condition of the media?
Condition of vegetation around the c
Was sediment found in the under dri
Any damage to structural elements (T
Trickle Channel or Splitter Box
Emergency bypass valve closed and
Are all inlets in area clear of debris s

COMMENTS

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COMMENTS: POND LOOKS GOOD
CLEAR SEDIMENT/ VEGETATION ADJACENT TO OUTFALL WO#
3586585

3/19/2024





**STORMWATER POND INSPECTION
WET PONDS**

DISTRICT: REUNION RANCH			
			DATE: 4/17/2024
			WO #: 3600580
			TECH.: TAMMY YBARRA
	WO Initiated	WO Completed	
Pond Location	WQP 3-1 (879 JACKSDAW)		
Pond water level?	FULL		
Inlets in good structural condition?	YES		
Inlets clear of accumulated sediment or debris?	YES		
Trash found at site?	NO		
Sinkhole, cracks or seeps visible in the embankment?	YES		
Erosion present at shoreline?	NO		
Erosion occuing around the inlets or outlet structures?	NO		
Discharge valve open operational?	N/A		
Condition of vegetation around the out fall pipe?	OK		
Excessive algae blooms present?	YES		
Invasive plants present?	NO		
Trees or woody vegetation present on the dam or embankment?	NO		
Sediment has accumulated and reduced the volume of the pond?	NO DATA		
COMMENTS	POND LOOKS GOOD		
	CLEAR SEDIMENT @ INLET WO#3627338	4/17/2024	
	CLEAR SEDIMENT @ BRIDGE CALVERT WO#3627343	4/17/2024	





**STORMWATER POND INSPECTION
WET PONDS**

DISTRICT: REUNION RANCH

DATE: 4/17/2024

WO #: 3600580

TECH.: TAMMY YBARRA

WO Initiated **WO Completed**

Pond Location	WQP 3-3 (1007 JACKSDAW)		
Pond water level?	80%		
Inlets in good structural condition?	N/A		
Inlets clear of accumulated sediment or debris?	N/A		
Trash found at site?	NO		
Sinkhole, cracks or seeps visible in the embankment?	YES		
Erosion present at shoreline?	YES		
Erosion occuing around the inlets or outlet structures?	N/A		
Discharge valve open operational?	YES		
Condition of vegetation around the out fall pipe?	OK		
Excessive algae blooms present?	YES		
Invaisve plants present?	NO		
Trees or woody vegetation present on the dam or embankment?	NO		
Sediment has accumulated and reduced the volume of the pond?	NO DATA		
COMMENTS:	POND LOOKS GOOD		

