

# FAIRWAYS METROPOLITAN DISTRICT

141 Union Boulevard, Suite 150  
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## NOTICE OF REGULAR MEETING AND AGENDA OF THE BOARD OF DIRECTORS OF THE FAIRWAYS METROPOLITAN DISTRICT AND OF THE WASTEWATER UTILITY ENTERPRISE

<u>Board of Directors:</u>	<u>Office:</u>	<u>Term/Expiration:</u>
Wilmer “Catt” Wilson	President	2027/May 2027
Doug Bacon	Vice President	2025/May 2025
Jeff Reh	Treasurer	2027/May 2027
Scott A. Hemphill	Assistant Secretary	2025/May 2025
Douglas Wendel	Assistant Secretary	2025/May 2025
David Solin	Secretary	
John Pavlovic	Director Emeritus	

DATE: January 23, 2024 (Tuesday)

TIME: 5:00 P.M.

PLACE: THIS DISTRICT BOARD MEETING WILL BE HELD BY CONFERENCE CALL WITHOUT ANY INDIVIDUALS (NEITHER DISTRICT REPRESENTATIVES NOR THE GENERAL PUBLIC) ATTENDING IN PERSON. IF YOU WOULD LIKE TO ATTEND THIS MEETING, PLEASE JOIN VIA:

<https://us02web.zoom.us/j/5469119353?pwd=SmtlcHJETFhCQUZEcVBBOGZVU3Fqdz09>

**Meeting ID: 546 911 9353**

**Passcode: 912873**

**Dial In: 1-719-359-4580**

### I. COMMUNITY COMMENTS

A. \_\_\_\_\_

### II. ADMINISTRATIVE MATTERS

A. Present Disclosures of Potential Conflicts of Interest.

\_\_\_\_\_

B. Approve Agenda; confirm location of meeting, posting of meeting notices and designate 24-hour posting location.

\_\_\_\_\_

C. Review and approve Minutes of the November 7, 2023 Special Meeting (enclosure).

\_\_\_\_\_

III. FINANCIAL MATTERS

- A. Review and ratify the approval of the payment of claims as follows (enclosures):

Fund	Period ending Nov. 30, 2023	Period ending Dec. 31, 2023	Period ending Jan. 31, 2024
General	\$ 5,767.73	\$ 14,072.47	\$ 2,266.46
Capital	\$ -0-	\$ -0-	\$ -0-
Enterprise	\$ 11,055.75	\$ 21,349.25	\$ 24,931.50
<b>Total Claims</b>	<b>\$ 16,823.48</b>	<b>\$ 35,421.72</b>	<b>\$ 27,197.96</b>

IV. LEGAL MATTERS

- A. Discuss status of Memorandum of Understanding with Lake Valley Golf Club.

V. ENGINEERING / OPERATIONS MATTERS

- A. Operator's Report (enclosure).

1. Review Monthly Status Reports

2. Discuss Infiltration Study and manhole sealing.

- B. Engineer's Report.

VI. OTHER MATTERS

- A. Discuss status of the extra pond covers.

VII. ADJOURNMENT **THE NEXT REGULAR MEETING IS SCHEDULED FOR  
APRIL 23, 2024.**

## RECORD OF PROCEEDINGS

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### MINUTES OF A REGULAR MEETING OF THE BOARD OF DIRECTORS OF THE FAIRWAYS METROPOLITAN DISTRICT AND THE BOARD OF DIRECTORS OF THE WASTEWATER UTILITY ENTERPRISE HELD NOVEMBER 7, 2023

A Regular Meeting of the Board of Directors of the Fairways Metropolitan District (the “District”) and the Board of Directors of the Wastewater Utility Enterprise (referred to hereafter collectively as the “Board”) was duly called and held on Tuesday, the 7<sup>th</sup> day of November, 2023, at 5:00 p.m. The District Board meeting was held via Zoom. The meeting was open to the public.

#### ATTENDANCE

##### Directors In Attendance Were:

Wilmer “Catt” Wilson  
Douglas Wendel  
Doug Bacon  
Jeff Reh  
Scott A. Hemphill

##### Also In Attendance Were:

David Solin; Special District Management Services, Inc.

John Pavlovic; Director Emeritus

Gabrielle Begeman; ORC Water Professionals, Inc. (“ORC”) (for a portion of the meeting)

Marta Galnick; Resident and liaison between the District and the Lake Valley Golf Course (for a portion of the meeting)

#### COMMUNITY COMMENTS

Community Comments: There were no community comments.

#### DISCLOSURE OF POTENTIAL CONFLICTS OF INTEREST

Disclosure of Potential Conflicts of Interest: Mr. Solin noted that a quorum was present and discussed the requirements of Colorado law to disclose any potential conflicts of interest or potential breaches of fiduciary duty of the Board of Directors to the Secretary of State. The members of the Board were requested to disclose any potential conflicts of interest with regard to any matters scheduled for discussion at this meeting and incorporated for the record those applicable disclosures made by

## RECORD OF PROCEEDINGS

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the Board members prior to this meeting in accordance with statute. There were no additional disclosures made.

### **ADMINISTRATIVE MATTERS**

**Agenda:** Mr. Solin reviewed with the Board a proposed Agenda for the District's Regular Meeting.

Following discussion, upon motion duly made by Director Wilson, seconded by Director Bacon and, upon vote, unanimously carried, the Agenda was approved, as amended.

**Minutes:** Mr. Solin reviewed with the Board the Minutes of the September 6, 2023 Regular Meeting.

Following discussion, upon motion duly made by Director Bacon, seconded by Director Wendel and, upon vote, unanimously carried, the Board approved the Minutes of the September 6, 2023 Regular Meeting, as presented.

**Appointment of Director:** The Board discussed the vacancies on the Board. The Board considered the appointment of Jeffrey Reh to the Board of Directors.

Following discussion, upon motion duly made by Director Bacon, seconded by Director Hemphill and, upon vote, unanimously carried, the Board appointed Mr. Reh to fill a vacant position on the Board of Directors. The Oath of Office was administered.

**Appointment of Officers:** The Board entered into discussion regarding the appointment of officers.

Following discussion, upon motion duly made by Director Bacon, seconded by Director Hemphill and, upon vote, unanimously carried, the following slate of officers was appointed:

President	Wilmer "Catt" Wilson
Vice President	Doug Bacon
Treasurer	Jeff Reh
Secretary	David Solin
Assistant Secretary	Douglas Wendel
Assistant Secretary	Scott A. Hemphill

**Resolution No. 2023-11-01; Resolution Establishing Regular Meeting Dates, Time and Location, and Designating Location for Posting of 24-Hour Notices:** Mr. Solin discussed with the Board Resolution No. 2023-11-01; Resolution Establishing Regular Meeting Dates, Time and Location, and Designating Location for Posting of 24-Hour Notices.

## RECORD OF PROCEEDINGS

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The Board determined to meet at 5:00 p.m. on January 23, April 23, July 23 and October 22, 2024 via Zoom.

Following discussion, upon motion duly made by Director Bacon, seconded by Director Hemphill and, upon vote, unanimously carried, the Board adopted Resolution No. 2023-11-01; Establishing Regular Meeting Dates, Time and Location, and Designating Location for Posting of 24-Hour Notices.

### **FINANCIAL MATTERS**

**Claims:** Mr. Solin reviewed with the Board the payment of claims through the periods ending as follows:

Fund	Period ending Aug. 31, 2023	Period ending Sept. 30, 2023	Period ending Oct. 31, 2023
General	\$ 8,143.93	\$ 3,342.30	\$ 7,684.00
Capital	\$ -0-	\$ -0-	\$ -0-
Enterprise	\$ 9,942.59	\$ 66,802.03	\$ 108,805.70
<b>Total Claims</b>	<b>\$ 18,086.52</b>	<b>\$ 70,144.33</b>	<b>\$ 116,489.70</b>

Following review and discussion, upon motion duly made by Director Bacon, seconded by Director Wendel and, upon vote, unanimously carried, the Board ratified approval of the payment of the claims, as presented.

**Unaudited Financial Statements:** The Board deferred discussion at this time.

**2023 Audit:** The Board reviewed the proposal from Dazzio & Associates, PC to perform the 2023 Audit.

Following discussion, upon motion duly made by Director Bacon, seconded by Director Wendel and, upon vote, unanimously carried, the Board approved the engagement of Dazzio & Associates, PC to perform the 2023 Audit, for an amount not to exceed \$5,600.

**Public Hearing on the Sewer Service Rate Increase in 2024:** The President opened the public hearing on the Sewer Service Rate Increase in 2024.

It was noted that publication of Notice stating that the District would consider a Sewer Service Rate Increase in 2024 and the date, time and place of the public hearing was made in a newspaper having general circulation within the District. No written objections were received prior to this public hearing. No public comments were received, and the public hearing was closed.

Following discussion, upon motion duly made by Director Bacon, seconded by Director Wendel and, upon vote, unanimously carried, the Board approved the Sewer Service Rate Increase to \$242.20 per quarter, effective January 1<sup>st</sup>, 2024.

## RECORD OF PROCEEDINGS

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**Budget Amendment Hearing:** The President opened the public hearing to consider the Resolution to Amend the 2023 Budget and discuss related issues.

It was noted that publication of a Notice stating that the Board would consider adoption of a Resolution to Amend the 2023 Budget and the date, time and place of the public hearing was made in a newspaper having general circulation within the District. No written objections were received prior to this public hearing. No public comments were received, and the public hearing was closed.

Following review and discussion, Director Bacon moved to adopt the Resolution to Amend 2023 Budget, Director Wendel seconded the motion and, upon vote, unanimously carried, the Board adopted Resolution No. 2023-11-02 to Amend the 2023 Budget. A copy of the adopted Resolution is attached hereto and incorporated herein by this reference.

**2024 Budget Hearing:** The Board opened the Public Hearing to consider the proposed 2023 Budget and to discuss related issues.

It was noted that publication of a Notice stating that the Board would consider adoption of the 2024 Budget and the date, time and location of the Public Hearing was made in a newspaper having general circulation within the District. No written objections were received prior to this Public Hearing. No public comments were received, and the Public Hearing was closed.

Mr. Solin reviewed the estimated 2023 expenditures and the proposed 2024 expenditures.

Following discussion, the Board considered the adoption of Resolution No. 2023-11-03; Resolution to Adopt the 2024 Budget and Appropriate Sums of Money, and Resolution No. 2023-11-04; Resolution to Set Mill Levies (for the General Fund at 3.545 mills; for the Debt Service Fund 0.000 mills, for a total mill levy of 3.545 mills), subject to adjustment upon receipt of Final Assessed Valuation and legal review. Upon motion duly made by Director Bacon, seconded by Director Wendel and, upon vote, unanimously carried, the Resolutions were adopted, as discussed, and execution of the Certification of Budget and Certification of Mill Levies was authorized, subject to receipt of final Certification of Assessed Valuation from the County on or before December 10, 2023. Mr. Solin was authorized to transmit the Certification of Mill Levies to the Board of County Commissioners of Boulder County and the Division of Local Government not later than December 15, 2023. Mr. Solin was also authorized to transmit the Certification of Budget to the Division of Local Government not later than January 30, 2024. Copies of the adopted Resolutions are attached hereto and incorporated herein by this reference.

## RECORD OF PROCEEDINGS

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**DLG-70 Mill Levy Certification Form:** The Board considered authorizing the District Accountant to prepare and sign the DLG-70 Mill Levy Certification form for certification to the Board of County Commissioners and other interested parties.

Following discussion, upon motion duly made by Director Bacon, seconded by Director Wendel and, upon vote, unanimously carried, the Board authorized the District Accountant to prepare and sign the DLG-70 Mill Levy Certification form for certification to the Board of County Commissioners and other interested parties.

**Preparation of the 2025 Budget:** The Board discussed preparation of the 2025 Budget.

Following discussion, upon motion duly made by Director Bacon, seconded by Director Wendel, and upon vote, unanimously carried, the Board appointed the District Accountant to prepare the 2025 Budget.

The Board determined to hold the public hearing to consider adoption of the 2025 Budget on October 22, 2024.

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### **LEGAL MATTERS**

**Memorandum of Understanding (“MOU”) between the District and Lake Valley Golf Club (“LVGC”):** Mr. Pavlovic updated the Board on the status. It is anticipated that the final revised version should be submitted to the Lake Valley Golf Club in the next week.

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### **ENGINEERING/ OPERATIONS MATTERS**

**Monthly Operations Reports from ORC Water Professionals, Inc. (“ORC”):** Ms. Begeman updated the Board on the Monthly Operation Reports from ORC. The Board directed Mr. Solin and Ms. Begeman to speak with Nick Marcotte regarding needed solutions to filter problems and wetlands operation.

**Manhole Sealing along Country Club:** Ms. Begeman discussed with the Board the manhole sealing along Country Club. Mr. Solin and Ms. Begeman were directed to work with providers to schedule an Infiltration Study to be performed in June or July of 2024.

**Engineer’s Report:** There was no report at this time.

**Engineering Committee Report:** There were no updates at this time.

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### **OTHER MATTERS**

**Extra Pond Covers:** There were no updates at this time.

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## RECORD OF PROCEEDINGS

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### **ADJOURNMENT**

There being no further business to come before the Board at this time, upon motion duly made by Director Bacon, seconded by Director Wendel and, upon vote, unanimously carried, the meeting was adjourned.

Respectfully submitted,

By: \_\_\_\_\_  
Secretary for the Meeting



Fairways Metropolitan District  
November-23

Vendor	Invoice #	Date	Due Date	Amount	Expense Account	Account Number
Badger Meter Inc	80141964	10/30/2023	10/30/2023	\$ 3.80	Plant Maintenance & Repair	4-750
DPC Industries, Inc	DE73000795-23	9/30/2023	9/30/2023	\$ 100.00	Chemicals	4-782
Diversified Underground, Inc.	28665	10/31/2023	10/31/2023	\$ 90.00	Utilities	4-790
Lake Valley Golf Club	2023 November	11/17/2023	11/17/2023	\$ 550.00	LVGC Maintenance Agreement	4-786
ORC Water Professionals, Inc	258125	10/31/2023	10/31/2023	\$ 812.00	Permits and Testing	4-780
ORC Water Professionals, Inc	258125	10/31/2023	10/31/2023	\$ 5,884.53	Plant Maintenance & Repair	4-750
ORC Water Professionals, Inc	258125	10/31/2023	10/31/2023	\$ 1,082.55	Plant Operator	4-755
Prairie Mountain Media, LLC	366022	10/31/2023	10/31/2023	\$ 91.08	Miscellaneous	1-685
Special District Management Services	Oct-23	10/31/2023	10/31/2023	\$ 38.30	Supplies and Expenses	1-690
Special District Management Services	Oct-23	10/31/2023	10/31/2023	\$ 582.60	Billing Service	1-616
Special District Management Services	Oct-23	10/31/2023	10/31/2023	\$ 2,880.80	Accounting	1-612
Special District Management Services	Oct-23	10/31/2023	10/31/2023	\$ 1,050.60	Administrative Services	1-614
Spencer Fane, LLP	1232248	10/31/2023	10/31/2023	\$ 953.50	Legal	1-675
UNCC	223100609	10/31/2023	10/31/2023	\$ 5.16	Utilities	4-790
Xcel Energy	849391584	10/17/2023	10/17/2023	\$ 2,527.71	Utilities	4-790
Xpress Bill Pay	INV-XPR006271	10/31/2023	11/5/2023	\$ 170.85	Billing Service	1-616
				\$ 16,823.48		

Fairways Metropolitan District  
November-23

	General	Capital	Enterprise	Totals
Disbursements	\$ 5,767.73		11,055.75	\$ 16,823.48
Payroll				\$ -
Total Disbursements from Checking Acct	\$ 5,767.73	\$ -	\$ 11,055.75	\$ 16,823.48

Fairways Metropolitan District  
December-23

Vendor	Invoice #	Date	Due Date	Amount	Expense Account	Account Number
Badger Meter Inc	80144615	11/29/2023	11/29/2023	\$ 3.88	Plant Maintenance & Repair	4-750
Colorado Special District P&L	24PL-58438-2237	10/16/2023	10/16/2023	\$ 7,605.00	Prepaid Expenses	1-140
DPC Industries, Inc	737004474-23	11/15/2023	11/15/2023	\$ 2,033.04	Chemicals	4-782
DPC Industries, Inc	DE73000893-23	10/31/2023	10/31/2023	\$ 100.00	Chemicals	4-782
Diversified Underground, Inc.	28814	11/30/2023	11/30/2023	\$ 85.00	Utilities	4-790
Douglas A. Wendel	11/7/2023- Meeting	12/15/2023	12/15/2023	\$ 92.35	Director Fees Payable	1-314
Element Engineering, LLC	0001C-03	12/4/2023	1/3/2024	\$ 300.00	Engineering	4-677
Lake Valley Golf Club	2023 December	12/15/2023	12/15/2023	\$ 550.00	LVGC Maintenance Agreement	4-786
MMI Water Engineers, LLC	1844	11/13/2023	12/13/2023	\$ 704.00	Engineering	4-677
MMI Water Engineers, LLC	1855	12/13/2023	1/12/2024	\$ 1,038.40	Engineering	4-677
ORC Water Professionals, Inc	257515-2	5/31/2023	5/31/2023	\$ 3,763.26	Plant Maintenance & Repair	4-750
ORC Water Professionals, Inc	257515-2	5/31/2023	5/31/2023	\$ 4,420.39	Chemicals	4-782
ORC Water Professionals, Inc	258245	11/30/2023	11/30/2023	\$ 691.00	Permits and Testing	4-780
ORC Water Professionals, Inc	258245	11/30/2023	11/30/2023	\$ 3,774.60	Plant Maintenance & Repair	4-750
ORC Water Professionals, Inc	258245	11/30/2023	11/30/2023	\$ 1,082.55	Plant Operator	4-755
ORC Water Professionals, Inc	258245	11/30/2023	11/30/2023	\$ 61.22	Chemicals	4-782
Path Point Merchant Services LLC	400743 10.2023	10/31/2023	10/31/2023	\$ 118.04	Billing Service	1-616
Scott A. Hemphill	11/7/2023- Meeting	12/15/2023	12/15/2023	\$ 92.35	Director Fees Payable	1-314
Special District Management Services	Nov-23	11/30/2023	11/30/2023	\$ 256.00	Election	1-635
Special District Management Services	Nov-23	11/30/2023	11/30/2023	\$ 301.66	Supplies and Expenses	1-690
Special District Management Services	Nov-23	11/30/2023	11/30/2023	\$ 863.80	Billing Service	1-616
Special District Management Services	Nov-23	11/30/2023	11/30/2023	\$ 1,991.00	Accounting	1-612
Special District Management Services	Nov-23	11/30/2023	11/30/2023	\$ 2,130.20	Administrative Services	1-614
Spencer Fane, LLP	1240587	11/30/2023	11/30/2023	\$ 506.00	Legal	1-675
UNCC	223110587	11/30/2023	11/30/2023	\$ 3.87	Utilities	4-790
Wilmer Wilson	11/7/2023- Meeting	12/15/2023	12/15/2023	\$ 92.35	Director Fees Payable	1-314
Xcel Energy	853198840	11/14/2023	11/14/2023	\$ 2,738.04	Utilities	4-790
Xpress Bill Pay	INV-XPR007084	11/30/2023	12/5/2023	\$ 23.72	Billing Service	1-616
				\$ 35,421.72		

Check Issue Date	Check Number	Payee	Amount
12/15/2023	9317	Douglas A. Wendel	92.35
12/15/2023	9318	Scott A. Hemphill	92.35
12/15/2023	9319	Wilson, Wilmer W.	92.35
Grand Totals:			277.05
			3

Fairways Metropolitan District  
December-23

	General	Capital	Enterprise	Totals
Disbursements	\$ 13,795.42		21,349.25	\$ 35,144.67
Payroll	\$ 277.05			\$ 277.05
Total Disbursements from Checking Acct	\$ 14,072.47	\$ -	\$ 21,349.25	\$ 35,421.72

Fairways Metropolitan District  
January-24

Vendor	Invoice #	Date	Due Date	Amount	Expense Account	Account Number
Badger Meter Inc	80147317	12/28/2023	12/28/2023	\$ 3.88	Plant Maintenance & Repair	4-750
DPC Industries, Inc	DE73000991-23	11/30/2023	11/30/2023	\$ 100.00	Chemicals	4-782
Diversified Underground, Inc.	28979	12/31/2023	12/31/2023	\$ 5.00	Utilities	4-790
Guildner Pipeline Maintenance, Inc	12208	1/3/2024	1/3/2024	\$ 1,220.00	Jetting & Televising	4-783
Lake Valley Golf Club	2024 January	1/16/2024	1/16/2024	\$ 550.00	LVGC Maintenance Agreement	4-786
ORC Water Professionals, Inc	257853	12/31/2023	12/31/2023	\$ 647.00	Permits and Testing	4-780
ORC Water Professionals, Inc	257853	12/31/2023	12/31/2023	\$ 18,490.61	Plant Maintenance & Repair	4-750
ORC Water Professionals, Inc	257853	12/31/2023	12/31/2023	\$ 1,082.55	Plant Operator	4-755
Path Point Merchant Services Llc	400743 11.2023	11/30/2023	11/30/2023	\$ 100.42	Billing Service	1-616
Path Point Merchant Services Llc	400743 12.2023	12/31/2023	12/31/2023	\$ 11.70	Billing Service	1-616
Special District Management Services	Dec-23	12/31/2023	12/31/2023	\$ 14.18	Supplies and Expenses	1-690
Special District Management Services	Dec-23	12/31/2023	12/31/2023	\$ 407.80	Billing Service	1-616
Special District Management Services	Dec-23	12/31/2023	12/31/2023	\$ 1,271.00	Accounting	1-612
Special District Management Services	Dec-23	12/31/2023	12/31/2023	\$ 384.00	Administrative Services	1-614
UNCC	223120558	12/31/2023	12/31/2023	\$ 1.29	Utilities	4-790
Upper Case Printing, Ink.	1256	12/20/2023	12/20/2023	\$ 59.63	Billing Service	1-616
Xcel Energy	857468839	12/18/2023	12/18/2023	\$ 2,831.17	Utilities	4-790
Xpress Bill Pay	INV-XPR007901	12/31/2023	1/5/2024	\$ 17.73	Billing Service	1-616
				\$ 27,197.96		

Fairways Metropolitan District  
January-24

	General	Capital	Enterprise	Totals
Disbursements	\$ 2,266.46		24,931.50	\$ 27,197.96
Payroll				\$ -
Total Disbursements from Checking Acct	\$ 2,266.46	\$ -	\$ 24,931.50	\$ 27,197.96

## **FAIRWAYS METRO DISTRICT**

### **ORC Water Professionals**

**Preparers:** Gabrielle Begeman

**August- October 2023**

#### Aerators

- The facility has adequate amount of aeration HP installed in the ponds.
- Some of the aerators are in the process of removal and replacement.

#### Ponds

- Pond levels have been normal throughout the months of August through October.
- There was a couple instances where the water from pond 13 had been backflushed into the plant.

#### Filtration

- Coagulant feed rate has been adjusted according to the amount of suspended solids present in the effluent of the filter.
- TSS values at the effluent pit averaged 16mg/L and never crossed 30mg/L. Maximum recorded TSS on-site was 27mg/L.
- During the month of September and October, the filter has had multiple instances of bypassing where the sand stops moving. This results in the filter being bypassed. We have had some exceedances of the permit limitations due to the sand not moving.
- In October we reinstalled the super-sucker and attempted to clean the sand of potential debris. The only debris we found were some turtle shells.
- Aluminum sulfate coagulant was resupplied in October.

#### Pump House

- Everything in the effluent pump house worked well throughout the month of October.
- An actuated valve has been received and will be installed in the effluent wet well asap. The controls to operate this valve in conjunction to the levels, pump capacity and season will need to be developed, implemented and installed by a controls company. We are awaiting a quote on this portion of the project.

#### Compliance

- For the month of October, we were in compliance with all effluent permit requirements.
- However in September, our operator missed some samples in August and September resulting in non-compliance. That operator has since been let go and is no longer with ORC.
- In September, the facility violated the TSS limit due to the sand filter being bypassed while the sand was not moving.

#### Compliance Results Spreadsheet



# FAIRWAYS MD

Permitted Flow 0.1073 MGD  
 Permitted Loading 243 lbs/day  
 Operator complete

Formulas in cell

EFFLUENT COE009000									INFLUENT CO0048411						INF	EFF
DATE	WEEKLY - IRR (Cat 1-DMR)		MONTHLY - Secondary Treatment						MONTHLY						DAY OF SAMPLE	Ph 6.5/9.0
	TSS 30 max mg/L	126/235 USE ON DMR	30/45 mg/L	85% Removal	75/110 mg/L	Ammonia mg/L NOT ON DMR	TIN mg/L NOT ON DMR	MGD 0.107 MAX	TSS mg/L	BOD mg/L	BOD #/DAY	PLANT CAP HYDRAULIC(P)	PLANT CAP ORGANIC(Q)	MGD		
8/4/23	9	1	4	/	9	20.18	20.18	/	1053	461	/	/	/	/	/	/
8/11/23	11	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8/25/23	/	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AVG/MIN/GEOMEAN	10.0	1.0	4	99	9	20.18	20.18	/	1053	461	361	76	149	0.081	94000	0.00
MAX	11	1	4	/	9	20.18	20.18	/	1053	461	/	/	/	0.102	/	0.00
DATE	TSS 30 max mg/L	E.Coli 126/235 USE ON DMR	BOD 30/45 mg/L	85% Removal	TSS 75/110 mg/L	Ammonia mg/L NOT ON DMR	TIN mg/L NOT ON DMR	FLOW MGD 0.107 MAX	TSS mg/L	BOD mg/L	BOD #/DAY	PLANT CAP HYDRAULIC(P)	PLANT CAP ORGANIC(Q)	MGD	FLOW ON DAY OF SAMPLE	Ph 6.5/9.0
	TSS 30 max mg/L	E.Coli 126/235 USE ON DMR	BOD 30/45 mg/L	85% Removal	TSS 75/110 mg/L	Ammonia mg/L NOT ON DMR	TIN mg/L NOT ON DMR	FLOW MGD 0.107 MAX	TSS mg/L	BOD mg/L	BOD #/DAY	PLANT CAP HYDRAULIC(P)	PLANT CAP ORGANIC(Q)	MGD	FLOW ON DAY OF SAMPLE	Ph 6.5/9.0
8/28/23	20	4	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9/15/23	12	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9/21/23	48	1	0	/	48	1.26	11.87	/	261	218	/	/	/	/	/	/
9/26/23	17	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AVG/MIN/GEOMEAN	24.3	1.4	0	100	48	1.26	11.87	/	261	218	127	70	52	0.075	70000	0.00
MAX	48	4	0	/	48	1.26	11.87	/	261	218	/	/	/	0.088	/	0.00
DATE	TSS 30 max mg/L	E.Coli 126/235 USE ON DMR	BOD 30/45 mg/L	85% Removal	TSS 75/110 mg/L	Ammonia mg/L NOT ON DMR	TIN mg/L NOT ON DMR	FLOW MGD 0.107 MAX	TSS mg/L	BOD mg/L	BOD #/DAY	PLANT CAP HYDRAULIC(P)	PLANT CAP ORGANIC(Q)	MGD	FLOW ON DAY OF SAMPLE	Ph 6.5/9.0
	TSS 30 max mg/L	E.Coli 126/235 USE ON DMR	BOD 30/45 mg/L	85% Removal	TSS 75/110 mg/L	Ammonia mg/L NOT ON DMR	TIN mg/L NOT ON DMR	FLOW MGD 0.107 MAX	TSS mg/L	BOD mg/L	BOD #/DAY	PLANT CAP HYDRAULIC(P)	PLANT CAP ORGANIC(Q)	MGD	FLOW ON DAY OF SAMPLE	Ph 6.5/9.0
10/5/23	8	20	3	/	8	0.09	15.3	/	287	177	/	/	/	/	/	/
10/10/23	10	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10/16/23	17	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10/23/23	25	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AVG/MIN/GEOMEAN	15.0	2.1	3	98	8	0.09	15.30	/	287	177	0	0	0	/	0.00	/
MAX	25	20	3	/	8	0.09	15.30	/	287	177	/	/	/	/	0.00	/

Operability Report for Months of August/September and October are absent. ORC will resume these operability reports in November

## Flow data for August/September

### Analog Data (Min/Max/Avg) Fairways Metro District, CO - Fairways Metro District 1 Aug 2023 - 31 Aug 2023

Date/Time	Channel 1					Channel 2				
	Influent Flow (GPM)				Count	Effluent Flow (GPM)				
Min	Max	Avg	Average (MGD)	Min		Max	Avg	Count		
1 Aug 2023	-173.8	119.4	65.1	0.094	96	-72.0	182.8	73.4	96	
2 Aug 2023	42.9	127.9	70.7	0.102	96	-1.2	181.4	74.1	96	
3 Aug 2023	39.5	104.1	67.8		96	-1.2	143.0	73.0	96	
4 Aug 2023	37.8	110.9	65.6	0.094	96	-0.9	70.2	15.1	96	
5 Aug 2023	34.4	91.4	64.0	0.092	96	-0.9	118.4	60.4	96	
6 Aug 2023	33.6	96.5	65.4	0.094	96	54.0	57.9	56.0	96	
7 Aug 2023	37.0	109.2	66.0	0.095	96	-0.9	56.5	41.6	96	
8 Aug 2023	34.4	144.0	65.5	0.094	96	-1.2	114.2	36.7	96	
9 Aug 2023	31.0	99.9	59.1	0.085	96	-0.2	114.2	43.5	96	
10 Aug 2023	30.2	89.7	57.2	0.082	96	-0.9	114.2	45.7	96	
11 Aug 2023	26.8	87.1	55.2	0.079	96	-1.2	114.2	46.4	96	
12 Aug 2023	27.6	96.5	59.0	0.085	96	-0.9	113.1	47.2	96	
13 Aug 2023	30.2	94.8	59.1	0.085	96	-1.6	111.4	24.7	96	
14 Aug 2023	24.2	91.4	57.0	0.082	97	-1.2	149.4	29.5	97	
15 Aug 2023	24.2	93.1	53.4	0.077	96	-0.9	126.1	60.9	96	
16 Aug 2023	24.2	82.9	53.5	0.077	96	-0.9	157.8	43.6	96	
17 Aug 2023	21.7	94.8	52.9	0.076	97	-1.2	157.8	41.0	97	
18 Aug 2023	21.7	84.6	53.7	0.077	96	-1.2	157.8	42.7	96	
19 Aug 2023	23.4	86.3	51.3	0.074	96	-1.2	157.1	30.3	96	
20 Aug 2023	21.7	107.5	53.4	0.077	96	-1.2	157.1	28.8	96	
21 Aug 2023	20.8	90.5	51.6	0.074	96	-1.2	156.8	44.8	96	
22 Aug 2023	21.7	77.8	48.5	0.070	96	-1.2	156.8	23.0	96	
23 Aug 2023	20.8	88.0	50.5	0.073	96	-0.9	155.3	16.5	96	
24 Aug 2023	20.8	88.0	50.6	0.073	96	-1.6	157.1	44.2	96	
25 Aug 2023	20.8	81.2	48.6	0.070	96	-1.6	157.8	24.8	96	
26 Aug 2023	23.4	82.9	51.1	0.074	96	-1.2	81.1	17.3	96	
27 Aug 2023	23.4	89.7	56.3	0.081	96	-1.6	162.0	41.2	96	
28 Aug 2023	24.2	97.3	54.5	0.079	96	-1.2	80.8	11.5	96	
29 Aug 2023	24.2	83.7	51.0	0.073	96	-1.2	41.0	0.1	96	
30 Aug 2023	23.4	94.8	52.3	0.082	96	-0.9	129.0	48.3	96	
31 Aug 2023	21.7	93.9	51.3	0.082	96	-0.2	129.7	83.7	96	
average daily average:				0.081						
max daily average:				0.102						

**Analog Data (Min/Max/Avg)**  
**Fairways Metro District, CO - Fairways Metro District**  
**1 Sep 2023 - 30 Sep 2023**

Date/Time	Channel 1					Channel 2				
	Influent Flow (GPM)				Count	Effluent Flow (GPM)				
Min	Max	Avg	Average (MGD)	Min		Max	Avg	Count		
1 Sep 2023	23.4	77.8	48.8	0.070	96	-1.2	128.3	88.2	96	
2 Sep 2023	21.7	82.9	50.1	0.072	96	0.2	128.3	97.1	96	
3 Sep 2023	20.0	99.9	50.8		96	-0.9	117.3	76.0	96	
4 Sep 2023	23.4	90.5	51.8	0.075	96	-0.2	116.6	63.8	96	
5 Sep 2023	20.8	79.5	50.0	0.072	96	-1.6	57.5	47.7	96	
6 Sep 2023	24.2	90.5	49.9	0.072	96	-1.2	64.6	16.8	96	
7 Sep 2023	20.0	93.9	50.2	0.072	96	-1.2	139.2	3.2	96	
8 Sep 2023	23.4	90.5	48.4	0.070	96	-0.9	137.8	2.3	96	
9 Sep 2023	21.7	77.8	50.1	0.072	96	-1.2	68.8	2.5	96	
10 Sep 2023	23.4	89.7	53.7	0.077	96	-1.6	68.4	1.0	96	
11 Sep 2023	27.6	94.8	57.3	0.082	96	-1.2	68.8	2.1	96	
12 Sep 2023	27.6	90.5	58.5	0.084	96	-0.9	68.8	7.1	96	
13 Sep 2023	29.3	94.8	56.3	0.081	96	-1.2	68.8	14.0	96	
14 Sep 2023	23.4	88.0	54.4	0.078	96	-1.2	69.1	13.6	96	
15 Sep 2023	37.0	104.1	60.9	0.088	96	-1.2	69.1	18.1	96	
16 Sep 2023	27.6	99.9	58.0	0.083	96	-1.2	69.8	19.6	96	
17 Sep 2023	27.6	93.9	58.5	0.084	96	-1.6	130.4	19.9	96	
18 Sep 2023	25.1	89.7	53.2	0.077	96	-1.2	135.6	23.0	96	
19 Sep 2023	24.2	84.6	51.4	0.074	96	-1.2	67.4	17.6	96	
20 Sep 2023	23.4	87.1	50.1	0.072	96	-1.2	67.7	18.8	96	
21 Sep 2023	24.2	86.3	48.7	0.070	96	-1.2	67.0	17.2	96	
22 Sep 2023	21.7	77.8	47.4	0.068	96	-1.2	73.4	14.3	96	
23 Sep 2023	21.7	79.5	49.1	0.071	96	-1.6	67.0	15.3	96	
24 Sep 2023	21.7	86.3	50.0	0.072	96	-1.2	69.1	15.9	96	
25 Sep 2023	21.7	84.6	49.2	0.071	96	-1.2	73.4	18.5	96	
26 Sep 2023	21.7	89.7	50.0	0.072	96	-1.6	136.0	16.9	96	
27 Sep 2023	20.8	86.3	47.1	0.068	96	-1.6	95.2	20.0	96	
28 Sep 2023	17.4	76.9	48.5	0.070	96	-1.6	62.8	35.5	96	
29 Sep 2023	23.4	80.3	46.5	0.067	96	55.1	61.4	59.6	96	
30 Sep 2023	18.3	81.2	47.6	0.074	96	59.3	60.7	60.2	96	
				0.074						
average daily average:				0.075						
max daily average:				0.088						

## **FAIRWAYS METRO DISTRICT**

### **ORC Water Professionals**

**Preparers:** Gabrielle Begeman

**November-December 2023**

#### Aerators

- The facility has all aerators operational and 2 spares ready to install as needed.
- The new aerators were installed and officially started up by Goble Sampson on Dec 11<sup>th</sup>. They have been operational.
- Wiring was replaced to the auxiliary junction box to ensure proper operation of the aerators in cell 1.
- New wire was installed on SE aerator in cell 1.
- A custom junction box cover had to be made for the East aerator in cell 2 after it was lost at the pump company.
- Aerator work was performed on 11/29, 11/30 and 12/11.

#### Ponds

- Pond levels have been elevated during times when the filter sand stopped moving. We verified pond bypassing to keep pond levels low.

#### Filtration

- Coagulant feed rate has been adjusted according to the amount of suspended solids present in the effluent of the filter.
- During the month of November, the filter has had instances of bypassing where the sand stops moving. This results in the filter being bypassed and not treating the water as well as it could.
- In mid November we reinstalled the super-sucker and cleaned the sand of debris. The only debris we found were some turtle shells.

#### Pump House

- Everything in the effluent pump house worked well throughout the month of November and December.
- An actuated valve has been received and will be installed in the effluent wet well asap. The controls to operate this valve in conjunction to the levels, pump capacity and season will need to be developed, implemented and installed by a controls company. We are awaiting a quote on this portion of the project.

#### Compliance

- For the months of November and December, the facility was in compliance with all effluent permit requirements.

## Compliance Results Spreadsheet

DATE	TSS 30 max mg/L	E. Coli 126/235 USE <1 ON DMR	BOD 30/45 mg/L	85% Removal	TSS 75/110 mg/L	Ammonia mg/L NOT ON DMR	TIN mg/L NOT ON DMR	FLOW MGD 0.107 MAX
10/31/23	28	1						
11/8/23	17	1	0		17	6.13	15.3	
11/14/23	19	1						
11/20/23	25	1						
AVG/MIN/GEOMEAN	22.3	1.0	0	100	17	6.13	15.30	
MAX	28	1	0		17	6.13	15.30	
DATE	TSS 30 max mg/L	E. Coli 126/235 USE <1 ON DMR	BOD 30/45 mg/L	85% Removal	TSS 75/110 mg/L	Ammonia mg/L NOT ON DMR	TIN mg/L NOT ON DMR	FLOW MGD 0.107 MAX
11/27/23	23	1						
12/5/23	22	1	0		22	16.1	20.6	
12/12/23	19	1						
12/19/23	18	1						
12/26/23	20	1						
AVG/MIN/GEOMEAN	20.4	1.0	0	100	22	16.10	20.60	
MAX	23	1	0		22	16.10	20.60	

TSS mg/L	BOD mg/L	BOD #/DAY	PLANT CAP HYDRAULIC(P)	PLANT CAP ORGANIC(Q)	MGD	FLOW ON DAY OF SAMPLE	Ph 6.5/9.0
694	831						
694	831	416	58	171	0.062	60000	0.00
694	831				0.067		0.00
TSS mg/L	BOD mg/L	BOD #/DAY	PLANT CAP HYDRAULIC(P)	PLANT CAP ORGANIC(Q)	MGD	FLOW ON DAY OF SAMPLE	Ph 6.5/9.0
224	234						
224	234	0	0	0			0.00
224	234						0.00

Operability Report for November and December are attached.

[illegible]

Working/Good:					In Use:	✓
Not Working/Bad:					Not in Use:	-
Under Repair:						

Analog Data (Min/Max/Avg)									
Fairways Metro District, CO - Fairways Metro District									
1 Nov 2023 - 30 Nov 2023									
	Channel 1					Channel 2			
	Influent Flow (GPM)					Effluent Flow (GPM)			
Date/Time	Min	Max	Avg	Average (MGD)	Count	Min	Max	Avg	Count
1 Nov 2023	17.4	77.8	44.2	0.064	96	-1.2	64.9	33.0	96
2 Nov 2023	14.9	86.3	42.9	0.062	96	-1.6	64.6	30.8	96
3 Nov 2023	-2.1	412.6	69.1		116	-1.6	64.2	30.1	116
4 Nov 2023	14.0	79.5	41.5	0.060	96	-1.2	64.2	28.5	96
5 Nov 2023	17.4	81.2	46.3	0.067	96	-1.2	64.2	29.1	96
6 Nov 2023	14.0	87.1	41.4	0.060	96	-1.2	63.5	28.0	96
7 Nov 2023	11.5	84.6	40.7	0.059	96	-0.9	63.5	51.9	96
8 Nov 2023	14.9	79.5	41.5	0.060	96	-1.2	64.6	22.9	96
9 Nov 2023	17.4	93.9	44.6	0.064	96	-1.2	65.6	19.1	96
10 Nov 2023	17.4	76.1	42.9	0.062	96	-1.2	66.0	19.4	96
11 Nov 2023	16.6	82.9	44.5	0.064	97	-1.2	65.6	16.6	97
12 Nov 2023	16.6	87.1	44.2	0.064	97	-1.2	65.6	16.8	97
13 Nov 2023	16.6	81.2	44.4	0.064	96	-1.2	64.9	17.5	96
14 Nov 2023	17.4	80.3	41.5	0.060	96	-1.2	65.6	37.0	96
15 Nov 2023	13.2	82.9	40.7	0.059	96	56.1	57.9	56.8	96
16 Nov 2023	14.0	76.1	40.1	0.058	96	-0.9	61.8	50.4	96
17 Nov 2023	9.8	91.4	39.7	0.057	96	-1.2	62.8	38.3	96
18 Nov 2023	14.0	76.9	43.4	0.062	96	-1.6	64.2	33.4	96
19 Nov 2023	11.5	74.4	42.2	0.061	96	-1.2	63.5	32.7	96
20 Nov 2023	14.0	76.9	43.3	0.062	96	-1.6	63.5	32.3	96
21 Nov 2023	13.2	76.1	41.6	0.060	96	-1.2	64.2	30.2	96
22 Nov 2023	14.9	89.7	45.2	0.065	96	-1.2	64.2	28.1	96
23 Nov 2023	14.0	93.9	45.7	0.066	96	-0.9	63.5	32.2	96
24 Nov 2023	-0.4	86.3	41.7	0.060	96	-1.2	63.5	33.8	96
25 Nov 2023	17.4	70.1	43.9	0.063	96	-1.6	63.5	32.6	96
26 Nov 2023	14.9	101.6	45.4	0.065	96	-1.2	62.8	32.5	96
27 Nov 2023	14.9	91.4	41.7	0.060	96	-1.2	63.2	32.4	96
28 Nov 2023	14.0	72.7	42.3	0.061	96	-1.6	63.5	32.4	96
29 Nov 2023	14.9	89.7	41.3	0.060	97	-0.9	63.5	30.7	97
30 Nov 2023	14.9	81.2	41.0	0.062	96	-1.2	63.2	32.5	96
			average daily average:	0.062					
			max daily average:	0.067					



Analog Data (Min/Max/Avg)									
Fairways Metro District, CO - Fairways Metro District									
1 Dec 2023 - 31 Dec 2023									
	Channel 1					Channel 2			
	Influent Flow (GPM)					Effluent Flow (GPM)			
Date/Time	Min	Max	Avg	MGD	Count	Min	Max	Avg	Count
1 Dec 2023	13.2	74.4	39.2	0.05649	96	-1.2	63.5	27.2	96
2 Dec 2023	11.5	80.3	41.9	0.06027	96	-1.6	63.5	30.1	96
3 Dec 2023	14.9	73.5	42.0	0.06046	96	-1.2	64.2	27.4	96
4 Dec 2023	11.5	69.3	39.5	0.05693	96	-1.2	63.5	30.2	96
5 Dec 2023	13.2	77.8	39.4	0.05675	96	-1.2	63.2	28.2	96
6 Dec 2023	14.0	80.3	40.7	0.05863	96	-1.6	64.9	33.9	96
7 Dec 2023	14.9	86.3	41.5	0.05981	96	-1.2	75.5	24.1	96
8 Dec 2023	14.0	74.4	39.2	0.05646	96	-1.6	75.8	16.0	96
9 Dec 2023	16.6	77.8	42.4	0.06099	96	-1.6	75.8	13.6	96
10 Dec 2023	14.9	81.2	44.8	0.06457	96	-1.2	76.5	21.1	96
11 Dec 2023	13.2	76.9	40.1	0.05781	96	-1.6	75.8	16.4	96
12 Dec 2023	14.9	88.0	42.9	0.06184	96	-1.2	76.5	14.7	96
13 Dec 2023	14.0	66.7	39.6	0.05697	96	-1.6	76.5	18.0	96
14 Dec 2023	13.2	71.0	39.8	0.05738	96	-1.6	76.5	16.1	96
15 Dec 2023	14.0	79.5	39.1	0.05637	96	-1.6	75.8	17.5	96
16 Dec 2023	10.6	79.5	41.0	0.05901	96	-1.6	77.2	14.5	96
17 Dec 2023	10.6	79.5	41.4	0.05957	96	-1.6	75.8	11.3	96
18 Dec 2023	-0.4	76.9	40.3	0.05803	96	-1.6	75.8	19.9	96
19 Dec 2023	14.0	101.6	41.8	0.06013	96	-1.6	76.5	12.7	96
20 Dec 2023	13.2	76.9	40.1	0.05768	96	-1.6	76.5	18.2	96
21 Dec 2023	18.3	76.1	42.7	0.06148	96	-1.6	76.5	12.7	96
22 Dec 2023	14.0	84.6	43.7	0.06297	96	-1.6	74.8	13.4	96
23 Dec 2023	13.2	86.3	45.7	0.06583	96	-1.6	47.0	14.9	96
24 Dec 2023	11.5	96.5	46.7	0.06723	96	-1.2	47.7	17.0	96
25 Dec 2023	-0.4	82.9	43.9	0.06325	96	-1.2	47.0	16.2	96
26 Dec 2023	13.2	74.4	41.5	0.05976	96	-1.2	46.6	16.0	96
27 Dec 2023	10.6	76.1	40.8	0.05878	96	-1.6	32.9	16.4	96
28 Dec 2023	-0.4	81.2	43.0	0.06192	96	-1.2	32.9	15.3	96
29 Dec 2023	14.9	88.0	41.4	0.05961	96	-0.9	32.9	16.3	96
30 Dec 2023	13.2	83.7	42.7	0.06155	96	-0.9	33.3	15.6	96
31 Dec 2023	17.4	86.3	44.8	0.06452	99	-1.6	32.9	15.5	99
			Average	0.06010					
			MAX	0.06723					