OSAGE BEACH / LAKE OZARK JOINT SEWER BOARD MEETING AGENDA

March 19, 2024 @ 4:00 p.m. LAKE OZARK CITY HALL

1. CALL TO ORDER

2. ROLL CALL

Mayor, Michael Harmison
Mayor, Dennis Newberry
City Administrator, Harrison Fry
City Administrator, Jeana Woods
Alderman, Kevin Rucker
Alderman, Pat Thompson
Public Works Director, Matt Michalik
Member at Large, Gary Hamner
Public Works Manager, Osage Beach, Zachary Wilber

3. PUBLIC COMMENT

4. MINUTES

Regular Meeting: January 16th, 2024	2-3
5. REPORTS	
Bills List Revenue Budget Analysis Expenditure Budget Analysis Income & Expense Summary	4-13 14 15 16
6. <u>ALLIANCE REPORT OF OPERATIONS</u>	19-60
7. APPROVAL OF FLOW CHARTS	
8 OLD BUSINESS	

8. OLD BUSINESS

A. Board update.

9. <u>NEW BUSINESS</u>

A. Discussion and possible approval action on RFP insurance coverage. Pg. 17-18

10. ADDITIONAL DISCUSSION ITEMS

11. ADJOURNMENT

LAKE OZARK-OSAGE BEACH JOINT SEWER BOARD

Meeting Minutes – January 16th 2024

CALL TO ORDER:

Mayor Harmison called the meeting to order at 4:00 pm on Tuesday, January 16th, 2024, at Lake Ozark City Hall.

ROLL CALL:

Mayor, Michael Harmison- Present
Mayor, Dennis Newberry — Absent
City Administrator, Harrison Fry - Present
City Administrator, Jeana Woods - Present
Alderman, Kevin Rucker- Present
Alderman, Pat Thompson- Present
Public Works Director, Matt Michalik — Present
Resident Member, Mr. Gary Hamner — Present
Assistant City Administrator, Acting Public Works Manager, Mike Welty - Absent

MINUTES:

City Administrator, Harrison Fry, motioned to approve the meeting minutes from December 19th, 2023. The motion was seconded by Alderman, Kevin Rucker and passed unanimously.

REPORTS:

- Bill List
- Revenue Budget Analysis
- Expenditure Budget Analysis
- Income & Expense Summary

A motion was made by Alderman, Pat Thompson to approve the Bills List, Revenue Budget Analysis and Expenditure Budget Analysis. The motion was seconded City Administrator, Jeana Woods and passed unanimously.

ALLIANCE REPORT OF OPERATIONS:

Alliance Report of Operations: The average daily incoming flow for December was 0.886 mgd. We had 3.4 inches of precipitation measured at the WWTP for December.

Operationally, the plant's discharge was excellent, with an effluent monthly average BOD of 2.4 mg/l and TSS of 2.3 mg/l respectively for December which represents a 98.9 + % or better removal.

The MLSS average for both aeration basins for December was 5,799 mg/l. The total dry weight sludge inventory for December totaled 296,230 pounds. We received 29 loads of septage or 77,000 gallons for December.

APPROVAL OF FLOW CHART:

Alderman, Kevin Rucker motioned to approve the December flow chart. The motion was seconded by Alderman, Pat Thompson and was unanimously approved.

OLD BUSINESS:

- A. Board Representative Update. Hydrant leaking. The line connected to it has been shut down. Temporary hose in place. JCI Industries have been notified by the maker for the Keen RAS pumps, that they are no longer allowed to sell Keen pumps. JCI are looking at other make and models. Once they find more options, they will notify us, and it will be brought back to the board for discussion and possible approval.
- **B.** Updated report for the Capital Replacement Forecast Plan was discussed and reviewed. No approval necessary.

NEW BUSINESS:

- A. Reviewed and discussed Draft number 4 Alliance Management Contract. Public Works Director, Matt Michalik made a motion to approve the draft. Motion was seconded by City Administrator, Jeana Woods. Harrison Fry abstained from the vote. The motion carried.
- B. Reviewed and discussed the updated 2024 ERP and Plant Inventory report.

ADDITIONAL DISCUSSION ITEMS: .

- A. Review of Gary's Hamnner, s Sewer Plant Flow
- **B.** Review and discussion of the Missouri Department of Natural Resources Effluent Regulations from page 32 of the JSB packet.

ADJOURNMENT:

With no further business to discuss, a motion was made by Alderman, Pat Thompson to adjourn. City Administrator, Jeana Woods seconded the motion. The meeting was adjourned at 4:57 pm.

	Approved:	
Michael Harmison, Mayor Robin Craig, Clerk		7 1 C 1 C 1

JOINT SEWER BOARD BILL LIST MARCH 19, 2024

	G FUND BILLS PAID PRIO		BOARD MEETING:		\$	43,671.60
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			PAID PRIOR TO BOARD MEET	ING:	\$	~
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Account			Description:			Amount:
4176	AT&T		Janauary		\$	47.75
4000	Equipment Replacement F				\$	5,000.00
4020	CED	,	Spare Bulbs for Control Panel		\$	17.50
4020	Controlled HVAC	1	Repair HVAC Admin Bidg		\$ \$ \$	759.78
4020	M/C QuickBooks		Accounting Software		\$	30.00
4020	Menards 60	0411	Sling & Shackles for Winch		\$	62.01
4020	Menards 60	0467	Returned two Shackles		\$	(20.38)
4020	Menards 60	0600	Parts & Supplies for RAS Base		\$	168.59
4020	Menards 60	0607	Garden Hose		\$	59.99
4020	Menards 6	0697	Fittings for RAS Base/Heaters		\$ \$ \$	112.28
4020			Returned PVC Cutter		\$	(25.08)
4020	Menards 6	0716	Heater for RAS Basement		\$	258.16
4020	Menards 6	0804	Returned Backup Heater		\$	(23.99)
4020	Menards 6	0805	2 Pipe Wrenchs		\$	24.98
4020			Hose Repair Supplies		\$	21.77
4020			Returned Supplies for RAS Base		\$ \$	(27.34)
4020			Backup Sump Pump & Parts		\$	347.14
4020			Glue & Adapter		\$	11,38
4020			Wheel Barrel parts & cleaner		\$	196.94
4020	Woodley Building Main.		Janitorial - January		\$	330.00
4020	Woodley Building Main.		Janitorial - February		\$ \$	330.00
4140	Lake Sun/Lake Media		RFP - Insurançe		\$	186.00
4150	Tri State Truck Center		Hood Latch for Sludge Trk		\$	189,66
4150	Tri State Truck Center		Return some latch parts		\$	(45,28)
4170	Alliance Water Resource	s Inc	January/February		\$	31,176,00
4175	Ameren MO		11673321		\$	3,852.27
4175	Ameren MO		98041275		\$	119.26
4176	Ferrellgas		199.5 Gallons of Propane		\$	398,80
4176	AT&T		February			37.99
4176	Allied Services		March		\$ \$	75.42
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JOINT SEWER BOARD BILL LIST MARCH 19, 2024

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Customer Name

ALLIANCE WATER RESOURCES INC

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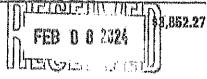
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Current Detail for Statement 92/06/2024

Total Electric Charges

\$3,852.27

Total Amount Due



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ALLTANCE WATER RESOURCES INC PO BOX 1985 LAKE OZARK, MO 65049-1986

AMEREN MISSOURI PO BOX 88088 CHICAGO IL 60680-1068

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Electric Service Details Service from 01/00/2074 - 02/00/2024 (20 days) Elaatric Mater Hood SERVICE READING CURRENT **PREVIOUS** READING METER NUMBER MULTIPLIER USAGE FROM - TO READING READING DIFFERENCE 11073321 01/08 - 02/08 29 Total kWn Actual 84318.0000 84004.0000 314,0000 180,0000 50240.0000 11679321 01108 02106 29 Actual Poet KW 0,9140 0,0000 0.9140 180,0000 146,2400 Usage Summary Total kWh 50240.0000 Non-Summer kWh 50240,0000 Peak kW 146,2000 Billing Demand 146,2000 Total Billing Demand 146,2000 October Winter Base kW 178,6000 Winter Base Demand 146,2000 Base kWh Retio 1.0000 Base kWh (HUD) 50240.0000 Seasonal kWh (HUC) 0.0000 **Roto 3M Largo General Service** DESCRIPTION USAGE UNIT HATE CHARGE Seasonal Energy Chargo 0.00 kWb **0.04080000** \$0.00 Winter Demend Chargo 146.20 k₩ Ô \$ 2,30000000 1338.28 Base Energy Charge / Hours Used 21,930.00 kWh 0 \$ 0.000800D0 \$1,630.71 Base Energy Charge / Hours Used 28,910,00 kWh \$ 0.06190000 \$1,489.29 **Customer Charge** \$110,55 Fuel Adjustment Charge 60,240.00 kWh **\$ 0.00297825** 9140,63 Energy Efficiency Investment Charge 50,240.00 kWh \$ 0.00441841 \$221.88 Renewable Energy Adjustment 60,240,00 kWh Ö \$ 0.00087586 \$33.96 **Total Service Amount** \$8,852.27 Total Electric Charges 93,862,27

Poyments Since Prévious Statement

DATE RECEIVED January 22, 2024 AMOUNT \$4,237.12

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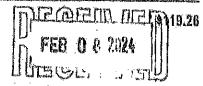
ALLIANCE WATER RESOURCES INC

Service Address

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LAKE OZAHK, MO 66049

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Amount Enclosed \$

TOT PETEL FOOD ALNES STREET

ALLIANCE WATER RESOURCES INC PD BOX 1985 LAKE OZARK, MO 65049-1985

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Customer Name

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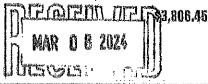
a anderson RD, · Lake Ozark, MO 85049

Current Datal for Statement 03/08/2024

Total Electric Charges

\$3,806,45

Total Amount Duo



AMOUNT DUE \$3;806;45

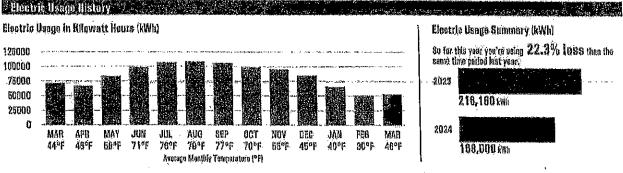
Due Date D4/01/2024

Amount After Due Date \$3,844.51

Previous Statement \$3,852.27

Total Payments \$3,862.27

Payment Received Thank You



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Signature:

Date:

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» San noxt page for service details.

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	Amount Due	Due Date
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Delinga	ent Amount After Due Date	Account Number

Amount Enclosed \$

SOT LETZEG 9000 ENVERER 90E200<

ALLIANCE WATER RESOURCES INC PO BOX 1995 LAKE OZARK, MO 65049-1996

AMEREN MISSOURI PO BOX 88066 CHICAGO IL 60680-1068



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* Customer Bervice: 1,877,426,3736

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« Electric Service Details Service from 02/06/2024 - 03/06/2024 (20 days) Electric Motor Road NO. USAGE READING CURRENT PREVIOUS FLADING METER NUMBER MULTIPLIER USAGE FROM . TO DAYS TYPE TYPE READING READING DIFFERENCE 11873921 02/08 - 03/00 29 Total kWh 84040,0000 Aptual 84310,0000 328.0000 160,0000 52480,0000 11673321 20 Genkky 0.0000 0.78401 180,0000 7125,4400 Usage Summery Total kWh 62400.0000 Non-Summer kWh 52480.0000 Poak kW 125,4000 Billing Demand 125,4000 Total Billing Demand 125,4000 October Winter Base kW 178,6000 Winter Base Demand 126,4000 Base kWh Ratio 1.0000 Base kWh (HUD) 62480.0000 Seasonal kWh (HUD) 0.0000 Rate 3M Large General Service DESCRIPTION USAGE UNIT RATE CHARGE Seasonal Energy Chargo 0.00 kWh \$ 0.040B0000 90.00 Winter Demand Charge 125.40 ΚW Õ \$ 2.30000000 \$288,42 Basa Energy Charge / Hours Used 18,810.00 kWh Ø \$ 0.060B0000 \$1,312.94 Base Energy Charge / Hours Used 26.080.00 kWh Õ \$ 0.05190000 \$1,301.65 Basa Energy Chargo / Hours Used 8,590,00 kWh + 0 \$ 0.04080000 1351.33 Customer Charge \$110,66 Fuel Adjustment Charge 62,480.00 kWh Ø \$ 0.00255000 \$133.82 Energy Efficiency Investment Charge 52,480.00 kWh \$ 0.00382400 \$200.08 Renewable Energy Adjustment 52,480.00 kWh \$ 0,00204000 \$107.06 Total Service Amount \$3,806.46 Total Electric Charges \$3,805,46

Questiona? Contact Ameren Missouri at 1.877.428.3736 or visit Ameren Missouri.com.

Page 2 of 4

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Account Number 6580006920

Customer Name

ALLIANCE WATER RESOURCES INC

Service Address 3 ANDERSON RD

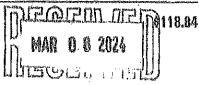
LAKE DZARK, MO 06049

. Current Detail for Statement 03/08/2024

Total Electric Charges

\$118.84

Total Amount Due



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Electric Usage History Efectric Usago in Kilowatt Hours (kWh) Electric Usage Summary (kWh) So for this year you're using $3.3\%\,$ more than the same time period last year. 2600 2000 1500 2023 1000 2,240 sym 600 2024 JUN MAR APII MAY JUL. AUG SEP OCT NOV DEC JAN FER MAR 44°F 71ºF 4806 Sport 76°F 7006 77°F 70°F 66°F 46°F 40°F 30°F 48°F 2,314 kWh Avarage Monthly Yemperatura (°F)

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Signature:

Date:

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Paga 1 of 4

» See next page for service details.

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Amount Due	Duo Date
PR 8114 c	- April 01, 2024
Delinquent Amount After Due Date	Account Number

Amount Enclosed \$

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ALLIANCE WATER RESOURCES INC PO BOX 1995 LAKE OZARK, MO 85049-1985

AMEREN MISSOURI PO BOX 86068 CHICAGO IL 80680-1068



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Electric Service Octoille Nestric Meter Read	tife nyaén ng nasah generatikan gapagan penganasan atau nasah salah salah salah salah salah salah salah salah s	Serv	ivo trom UZ	DU/2024; 03/00/20	24.(20.days)
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Total kWh Winter Base kWh Winter Cur Base kWh	000b.088 0000.0001 0000.088	p 1 1	imat kWh Basa kWh I kWh		0000.089 0000.089 0000.0
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DESCRIPTION	USAGE	UNIT		PATE	CHARGE
Beso Energy Charge	980.00	kWh	0	\$ 0.08940000	\$87.81
Sousonal Energy Chargo	0.00	kWh	0	\$ 0,06180000	\$0.00
Costomer Chargo		•			\$23.07
Fuel Adjustment Charge	980.00	kWh	Ø	\$ 0.0028600 0	\$2.60
Energy Efficiency Investment Charge	980.00	kWh	6	\$ 0.00373900	\$3.66
Renewable Energy Adjustment	980.00	kWh	Q ******	\$ 0.00204000 Service Amount	\$2.00
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			Total E	lactric Charges	\$118,04
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February 26, 2024	AMOUNT \$119.28				

Questions? Contact Ameren Missouri at 1.877.425.3736 or visit AmerenMissouri.com.

Page 2 of 4

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MONTH-TO-DATE AND YEAR-TO-DATE REVENUE/BUDGET ANALYSIS

2/29/2024

Account		2022	2023	2024	2024	2024	Percent
Number	Account Name	Actual	Actual	Budget	Actual as of	February	YTD
					2/29/2024	Revenue	
3020	Osage Beach	460,708.70	491,201.99	512,148.00	81,172.92	40,558.06	16%
3010	Lake Ozark	91,794.26	87,143.84	97,552.00	15,602.08	7,829,44	16%
3030	Misc.	1,094.92	234.08	0.00	0.00	0.00	0%
3100	Interest	2,462.35	5,522.07	5,000.00	3,136.24	1,522.84	63%
3060	Waste Haulers' Fee	49,490.00	63,160.00	57,000.00	4,250.00	3,875.00	7%
	Total Operating Fund	605,550.23	647,261.98	671,700.00	104,161,24	53,785.34	16%
	E/R Fund Income	3,588.63	15,192.01	12,000.00	4,684.23	1,518.59	39%
	TOTAL INCOME	-609,138.86	662,453.99	683,700.00	108,845.47	55,303.93	16%
							,

MONTH-TO-DATE AND YEAR-TO-DATE EXPENDITURE/BUDGET ANALYSIS 2/29/2024

Account Number	Account Name	2022 Actual	2023 Actual	2024 Budget	2024 Actual as of 2/29/2024	2024 February Expenses	Percent YTD
4000	Equipment Replace Fund	55,008,00	60,000.00	100,000.00	10,000.00	5,000.00	10%
4020	*Maintenance & Repair	60,030,11	84,665.12	64,000.00	3,746.77	2,633.73	6%
4140	insurance	22,088.00	22,791,00	26,210.00	0.00	0.00	0%
4150	Vehicle Repair/Main	5,999.58	3,255.47	9,000:00	347.13	144.38	4%
4170	Contract Management	331,080.00	353,592.00	374,808.00	60,642.00	31,176.00	16%
4175	Electric	79,890.16	88,547.80	87,000.00	8,264.26	3,971.53	9%
4176	Utilities Misc.	3,894.18	4,579.70	4,700.00	573.37	446.55	12%
4190	Bank Charges	12.00	3.00	0.00	0.00	0.00	0%
4200	Audit	2,700.00	2,800.00	2,900.00	0.00	0.00	0%
4240	Capital Purchases	- 0.00-	. 0.00	· ··· Q:00· -	0.00	0.00	0%
	Totals	678,460.37	620,234.09	668,618.00	83,573.53	43,372.19	12%
	**E/R Expenses	202,161.70	113,313.66	195,000.00	369.98	0.00	0%
	TOTAL EXPENSES	880,612.07	733,547.75	863,618.00	83,943.51	43,372.19	10%

4020 DETAIL: Equip & Bidg. Repair/Main.

Regular Maintenance 20,000
UV Bulbs, Quartz Sleeves, Misc 11,000
Painting RAS basement piping 30,000
Rock for road 3,000

DETAIL: Equipment & Replacement

Replace RAS Pumps & Check V:	195,000
	195,000.00

64,000.00

OPERATING FUND INCOME AND EXPENSE SUMMARY 2/29/2024

Beginning Balance	381,340.23
Income - Osage Beach	40,558.06
Income - Lake Ozark	7,829.44
Income - Other	н
Income - Waste Haulers' Fees	3,875.00
Interest - Checking	30.91
Income - CD Interest	1,491.93
Transfers From E/R Fund	-
Transfers To E/R Fund	(5,000.00)
Expenses	(38,372.19)
Ending Fund Balance	391,753.38
Central Bank - NOW Acct.	161,447.84
CD First Bank of the Lake, 2/20/25 #8432	112,128.96
CD First Bank of the Lake, 1/22/25 #8433	118,836.58
Outstanding Chapter	(660.00)
Outstanding Checks:	391,753.38

EQUIPMENT REPLACEMENT FUND INCOME AND EXPENSE SUMMARY 2/29/2024

Beginning Balance	494,967.56
Interest - Checking	286,92
Income - CD Interest	2,878.72
Transfers From Operating Fund	5,000.00
Income - Miscellaneous	H
Expenses	••
Ending Fund Balance	503,133.20
First Bank of the Lake - Money Mkt.	117,001.47
CD First Bank of the Lake, 4/30/25 #8430	116,131.73
CD First Bank of the Lake, 5/07/24 #8434	270,000.00
	•
	44
Outstanding Checks:	-
	503,133.20



March 8, 2024

Lake Ozark-Osage Beach Joint Sewer Treatment Plant 1000 City Parkway Osage Beach, MO 65065

RE:

Commercial Package # ETD 0484322

Policy Term: April 10, 2024 to April 10, 2025

Dear Karri Bell:

Enclosed is the bid proposal for the commercial package policy and directors and officers liability policy.

The commercial package premium total is \$26,134. The premium breakdown is as follows:

- Commercial Auto \$5,451
- Commercial Property \$17,394
- Commercial General Liability \$1,689
- Commercial Umbrella \$1,600

The commercial property values were increased by 20% as requested. Earthquake coverage is included.

The Director's and Officers liability policy is currently on a three year policy term, 4/10/22 - 4/10/25. I have enclosed the current policy. The annual premium is \$868.

We also approached MOPERM and Missouri Rural Services and both declined to quote.

Please let us know if you have any other questions.

Sincerely,

Camillia Naught Sr Acct Exec (II)

Commercial Lines

Phone: (573) 392-7141

Camilia Naught

E-Mail: camillia.naught@assuredpartners.com



March 11, 2024

Lake Ozark-Osage Beach Joint Sewer Treatment Plant 1000 City Parkway Osage Beach, MO 65065

RE:

Commercial Package # ETD 0484322

Policy Term: April 10, 2024 to April 10, 2025

Dear Karri:

Thave given you a detailed proposal for the commercial package, commercial auto, commercial umbrella and directors and officers liability policy.

The commercial package policy is for the effective dates 4/10/24 - 4/10/27, a 3 year policy term. The premium breakdown is as follows and is the annual payment amount.

- Commercial Auto \$5,451
 - o This is subject to annual review and updates to rates.
- Commercial Property \$17,394
 - o Building and Business Personal Property values were increased by 20% at renewal, per your request.
 - Earthquake coverage is included.
- Commercial General Liability \$1,689
- Commercial Umbreila \$1,600
 - o This is subject to annual review and updates to rates.

The Directors & Officers Liability is currently in a three year term from 4/10/2022 - 4/10/2025. The annual premium is \$868 per year.

Sincerely,

Camillia Naught

Sr Acct Exec (II)
Commercial Lines

Phone: (573) 392-7141

Camelia Naucht

E-Mall: camillia.naught@assuredpartners.com

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Alfiance Water Resources, Inc.

205 S, Keene St. Columbia, MO 65201

(573)874-8080



REPORT OF OPERATIONS

LAKE OZARK/OSAGE BEACH Joint Wastewater Treatment Plant No. 1

Month of January 2024

Submitted by Alliance Water Resources, Inc. for the

March 2024

Joint Sewer Board Meeting

SUMMARY OF FACILITY OPERATION

The Lake Ozark/Osage Beach Joint WWTP produced superior effluent quality throughout the month and was in full compliance with effluent limitations established in NPDES Permit No.MO-0103241. No leaks, no spills, and no unauthorized releases to waters of the state. No work-related lost time accidents have occurred during the month.

Detailed information relating to plant performance and operations is presented as follows.

PLANT EFFLUENT QUALITY

	BOD mg/l	TSS mg/l		coli Coliform olonies/100 ml	Ammonia as N mg/L	O&G mg/L
Monthly/Quarterly Avg	4.2	2.8	N/A	0.0	0.74	< 2.0
Peak Day	5.3	3.4	8.0	0.0	3.3	< 2.0
Percent Removal	98.1	99.0	N/A	N/A	N/A	N/A

NPDES EFFLUENT LIMITATIONS

	BOD mg/l	TSS mg/l		E.coli Coliform Colonies/100 ml	Ammonia as N mg/L	O&G mg/L
Monthly/Quarterly Avg VVeekly Average Daily Max	30 4 5	30 45	6-9	126 630 N/A	3.1 12.1	10 15

PLANT HYDRAULIC AND ORGANIC LOADING

The average daily influent flow for the month was 1.009 MGD or 34% of Permitted flow with Lake Ozark contributing 15% of the total flow and Osage Beach contributing 85%. Daily influent flow BOD and TSS data is presented in Table A. Daily flow for the month and rainfall are shown in Figure 2. A three-year flow history for each of the two cities is presented in Table B.

Organic loading for the month was 57612 pounds of BOD.

BIOSOLIDS APPLICATION AND INVENTORY

Plant personnel land applied 0 tanker loads of bio-solids during the month equivalent to a total of 0 gallons and 0 pounds dry weight solids.

0 pounds of dry weight solids have been land applied year to date.

Bio-solids inventory in the storage tanks at the end of the month was 382,500 gallons with a level of 5.5 feet in Tank 1 and 3.0 feet in Tank 2.

WASTEHAULERS

The plant received 23 loads of septage during the month totaling 43,000 gallons.

WWTP OPERATIONS

- Decanting digesters and wasting weekly.
- Normal operations.

WWTP MAINTENANCE AND REPAIR

- Performed routine maintenance throughout the month as per Maxpanda Maintenance Data Management software schedule.
- Controlled Heating & Cooling came in on the 10th of January to service the HVAC system and found the outside heat pump motor needed replaced but didn't have one in stock and had to order it. We had to run on emergency heat until they got it in, which was the 18th of January.
- Sometime during the overnight hours of the 14th of January, the fire hydrant on the corner of #1 oxidation ditch froze up and busted an underground water line. We got it isolated and shut off on the morning of the 16th. We had to run temporary water down to the RAS pumps for the cooling of the mechanical seals.
- We came in on the 15th and found that the drain system in the RAS basement had frozen and we got it thawed out that day.
- The overhead heater in the RAS basement quit on the 18th of January and we tried to find a replacement fan motor but had no luck, so we purchased a replacement heater and installed it that afternoon.
- We installed a valve on the coolant water line in the RAS basement to keep it from back feeding into the fire hydrant water line on the 19th of January.

SAFETY

 We conducted our monthly Safety Meeting on Personal Protective Equipment and Violence in the Workplace: Warning Signs on the 9th of January.

REGULATORY AGENCY, INSPECTION AND REPORT

- We filled out the new EDMR on the EPA MoGEM website on the 6th of February.
- We got the annual Form S Sludge Report completed and emailed to MDNR on the 1st of February. We also filled out the EPA online sludge report that same day.

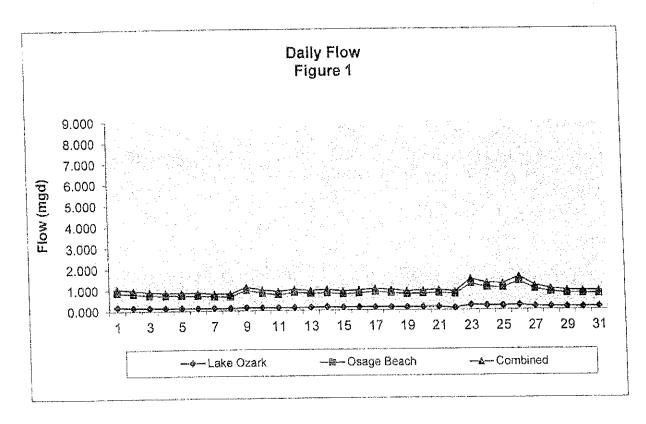
MISCELLANEOUS AND RECOMMENDATIONS

We have attached a copy of the quarterly AWR State and Federal Compliance Reports.

TABLE A LAKE OZARK/OSAGE BEACH WWTP

MONTH OF January 2024

DATE		FLOW						BOD 5 MG/L			TSS MG/L		
	RAIN FALL IN.	LO mgd	OB mgd	COMB mgd	% LO	% OB	LO mg/l	OB mg/l	COMB mg/l	LO mg/l	OB mg/l	COMB mg/l	
1-Jan	0	0.190	0.871	1.061	17.9	82.1							
2-Jan	0	0.153	0.821	0.974	15.7	84.3							
3-Jan	0	0.149	0.756	0.905	16.5	83.5					······································		
4-Jan	0	0.141	0.734	0.875	16.1	83.9							
5-Jan	0	0.136	0.731	0.867	15.7	84,3	205	258	223	132	222	22	
6-Jan	0.0	0.130	0.728	0.858	15.2	84.8							
7-Jan	0	0.134	0.691	0.825	16.2	83.8				<u> </u>			
8-Jan	0	0.123	0.690	0.813	15.1	84.9							
9-Jan	0.75	0.152	0.977	1.129	13.5	86,5							
10-Jan	0	0.145	0.843	0.988	14.7	85.3							
11-Jan	0	0.147	0.772	0.919	16.0	84.0				<u> </u>	ļ		
12-Jan	0.5	0.146	0.875	1.021		85.7	193	215	28	5 140	184	42	
13-Jan	0	0.139	0.816	0.955		85.4		ļ		<u> </u>	<u> </u>		
14-Jan	0	0.170	0.837	1.00		83.1							
15-Jan	0	0.145	0.773	0.91		84.2							
16-Jan	0	0.148	0.810	0.95		84.6					<u> </u>		
17-Jan	0		0.876	1.02		85,2							
18-Jan	0		0.828	0.97		84.7							
19-Jan	0		0.762	0.90		84.7	20:	3 16	8 17	5 10	2 13	4 1	
20-Jan	0		0.793	0.93		84.5							
21-Jan	C	11	0.816	0.96		84.6		_					
22-Jan	0.75		0.780	0.88		88.5							
23-Jan	0.75		1.248			83,9							
24-Jan	0.5		1.078			83,8				_	_		
25-Jan	0.5		1.064										
26-Jan	0.5	0.229	1.357					3 16	5 2	00 14	6 14	14 2	
27-Jan	0.25		0.993	·					_				
28-Jan	(0.155	0.853							_	_		
29-Jan		0.144	0.784										
30-Jan		0.135		0.90									
31-Jan		0 0.140	0.757	0,89	97 15.6	84.4	 				_		
SUM	4.8	4.806	26.487	31.293							-		
AVG		0.155	0.854	1.009	15	85	214	202	221	130) 17	1 27	



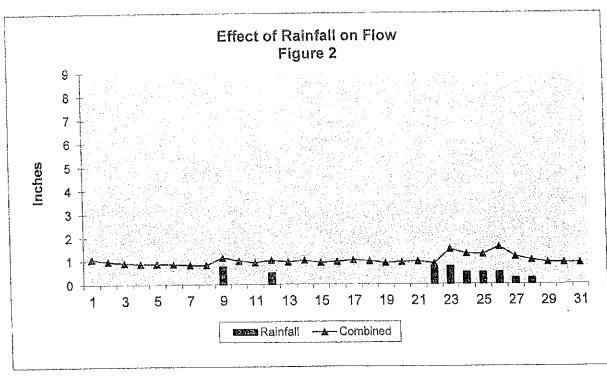
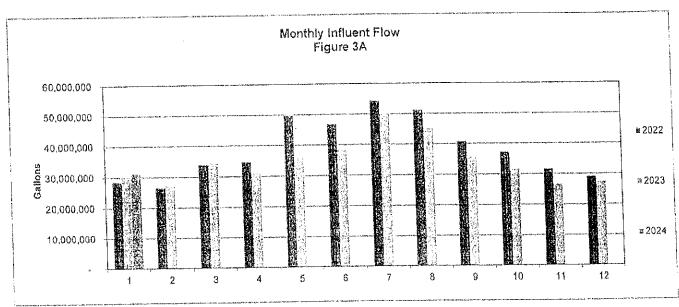
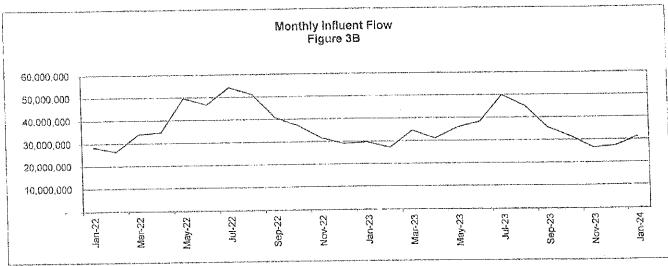
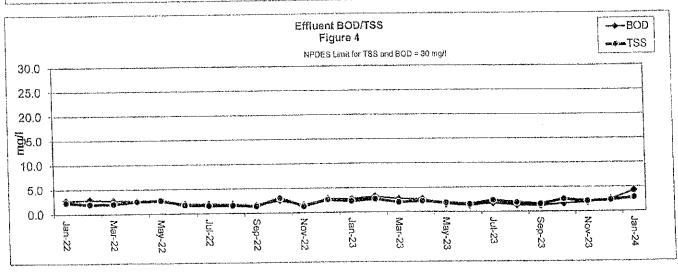


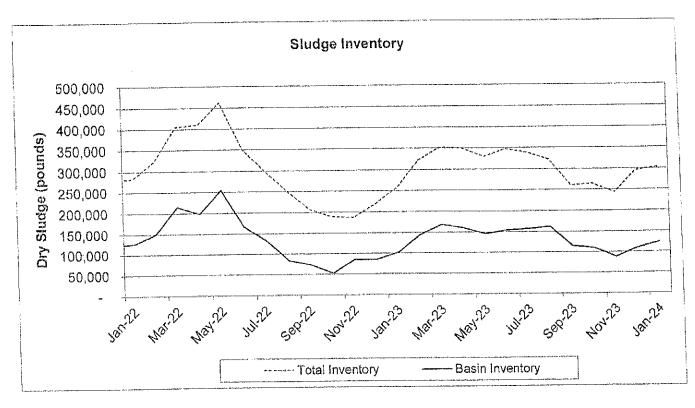
TABLE B JOINT SEWER BOARD Monthly Flows

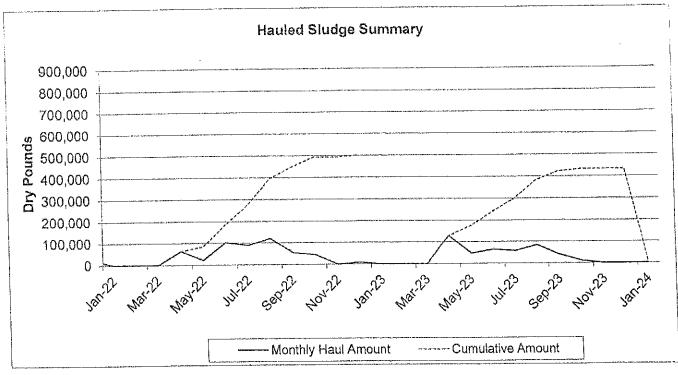
2022	DATKIE AT T	OSAGE BEACH	LAKE OZARK	TOTAL %
	RAINFALL	23,599,000 83%	4,824,000 17%	28,423,000 100%
January	1.7	21,853,000 83%	4,610,000 17%	26,463,000 100%
February	3.8	• •	5,657,000 17%	33,923,000 100%
March	5,2	,	6,088,000 18%	34,668,000 100%
April	6.3	28,580,000 82%	*	49,673,000 100%
May	9.1	41,076,000 83%	8,597,000 17%	, , ,
June	3.3	39,125,000 84%	7,563,000 16%	* *
July	2.6	45,728,000 84%	8,591,000 16%	, ,
August	6.8	42,549,000 83%	8,716,000 17%	51,265,000 100%
September	2.4	34,238,000 84%	6,499,000 16%	40,737,000 100%
October	5.2	31,814,000 86%	5,317,000 14%	37,131,000 100%
November	4,5	26,905,000 85%		31,644,000 100%
December	1.9	24,749,000 85%	4,376,000 15%	29,125,000 100%
	52.7	388,482,000 84%	75,577,000 16%	464,059,000 100%
2022	DATATEAL	OSAGE BEACH	LAKE OZARK	TOTAL %
<u>2023</u>	RAINFALL	25,972,000 87%		29,784,000 100%
January	2.8	23,448,000 86%	, ,	27,268,000 100%
February	3.9 6.2	29,920,000 87%		34,479,000 100%
March	1.3	26,903,000 87%		30,988,000 100%
April		29,783,000 83%	·	35,733,000 100%
May	2.1	32,155,000 84%		38,195,000 100%
June	0.9	42,263,000 85%	Ŧ	49,941,000 100%
July	7.1	37,375,000 839		45,039,000 100%
August	8.3	29,574,000 839	• '	35,491,000 100%
September	2.5	26,468,000 849	, ·	31,535,000 100%
October	3.2 1.0	22,375,000 849		26,657,000 100%
November		, ,		27,471,000 100%
December	3.4	23,026,000 849	, ,	
	42.7	349,262,000 859	% 63,319,000 15%	412,581,000 100%
2024	RAINFALL	OSAGE BEACH	LAKE OZARK	TOTAL %
January	4.8	26,487,000 85	% 4,806,000 15%	31,293,000 100%
February				
March				
April				
May				
June				
July	١			
August				
September	•			
October	l .			
November	p.			
December				
December	Į.			
	4.8	26,487,000 8	5% 4,806,000 15%	31,293,000 100%







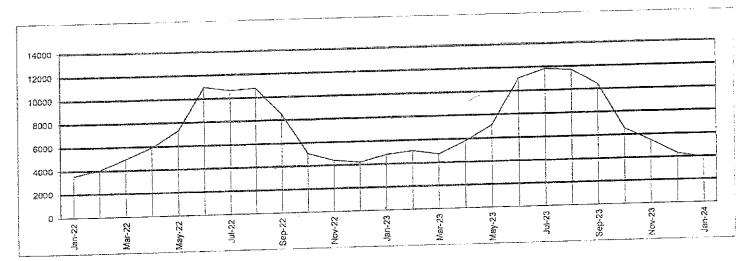




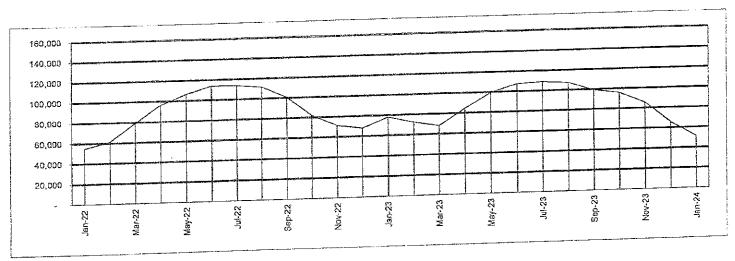
Electric Cost Kilowatts Used

-		
Jan-22	3547	55,070
Feb-22	4063	61,330
Mar-22	4979	79,050
Apr-22	5907	96,160
May-22	7292	106,100
Jun-22	10958	113,870
Jul-22	10648	113,590
Aug-22	10800	111,690
Sep-22	8498	100,470
Oct-22	5071	82,030
Nov-22	4451	71,240
Dec-22	4224	68,000
Jan-23	4809	77,980
Feb-23	5074	72,420
Mar-23	4730	68,320
Арг-23	5801	84,440
May-23	7128	99,300
Jun-23	11076	107,520
Jul-23	11845	109,070
Aug-23	11697	107,330
Sep-23	10438	99,140
Oct-23	6553	96,000
Nov-23	5474	85,570
Dec-23	4293	65,618
Jan-24	3972	51,236

Electric Cost



Kilowatts Used



Lake Ozark/Osage Beach WWTP Phosphorus Removal

	Inf. mg/L	Eff. mg/L		Inf. mg/L	Eff. mg/L		Inf. mg/L	Eff. mg/L
Jan-22	4.8	1.9	Jan-23	4.9	2.7	Jan-24	5.3	3.3
Feb-22	4.6	1.7	Feb-23	5.9	3.0	Feb-24		
Mar-22	4.9	2.9	Mar-23	5.1	2.9	Mar-24		
Apr-22	-4.7	2.9	Apr-23	6.0	3.2	Apr-24		
May-22	4.4	2.8	May-23	5.6	1.9	May-24		
Jun-22	4.4	3.7	Jun-23	6.2	2.8	Jun-24		
Jul-22	6.2	2.8	Jul-23	7.2	0.6	Jul-24		
Aug-22		1.0	Aug-23	4.7	0.6	Aug-24		
Sep-22	the state of the s	4.5	Sep-23		4.6	Sep-24		
Oct-22	6.1	6.8	Oct-23	7.0	6.6	Oct-24		
Nov-22	<u> </u>	3.6	Nov-23	7.6	5.4	Nov-24		
Dec-22	<u> </u>	2.8	Dec-23		3.6	Dec-24		
Avg.	4.9	3.1	Avg.	5.9	3.2	Avg.	5.3	3.3



MISSOURI DEPARTMENT OF NATURAL RESOURCES DIVISION OF ENVIRONMENTAL QUALITY

Discharge Monitoring Report For Municipal Wastewater Treatment Plants

		NAME	OF F	ACILI	TY	*****		T			LOC	ATION	ADDRES	S & CIT	Y		CO	JNTY/RI	EGION
	أحمداما					rp #1						#3 Ar	iderson F	Road				/liller/SV	/RO
MONTH/V	Lake of the Ozarks Regional WWTP #1 THYYEAR PERMIT NUMBER			3/20 07/5	DUT	UTFALL NUMBER TYPE TREATMENT FACILITY													
Jan-2	10011161666			#001	٠				/UV/Slud	lge Holdi	ng-slu	ıdge is l	and app	ied					
77.		INFLU	ENT	1 4	monia						1	EFFLU	ENT rmonia		E. coli	Γ		% Remo	vai
DATE	pH UNITS	BOD mg/L	TSS mg/L	1 8	as N mg/l	TEMP °C	FLOW MGD			BOD mg/L	١.	s	as N mg/l		COLFRN #/100 ML		C r	ng/L	mg/L.
1	6.9					12.4	1.297		7.5					12.7			.7		
2	7.1					10.7	1.196		7.8					12,6		9	.2		
3	7.1			1	35.6	11.5	1.022		7.7				0,01	12.6		8	1.9		
4	7.1					11.6	1.135		7,6					12.6		8	3.2		
5	7.1	223	228			10.5	1.150		7.5	3.2	2	.8		12.6		9	9.1	98.6	98.8
6	6.9				.,	12.5	0.995		7.5					12.4		1	0.1		
7	6.9	-				11.2	1.000		7.5					13.2	<u> </u>	9	9.0		
8	6.9		1		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	11.5	1.05€	;	7.5					13.2			9.5		
9	6.8		1			11.6	1,430)	7.8					12.6			9,9		
10	6.9	†			14.2	11.7	1.292	2	7.6				0.2	13.1			9.0		
11	7.2		_			11.2	1.20	1	8.0					12.0			8.7		
12	6.8	285	42	0		12.4	1.306	5	7.5	3.	1	2.1		12.1			9.8	98.9	99.5
13	6.9					9.3	1.17	1	7.3					13.0			6.6	·····	
14	6,8		1			7.0	1,27	8	7.4					13.5			5.2		
15	6.9	1	T			7.6	1,18	4	7.4				•	13.2			3.8		
16	6.8		—	_	,	9.4	1.21	1	7.4					13.8			4.5		
17	6.8				18.0	9.8	1.26	6	7.1				0,1	13.7			4.7		
18	6.9					9.3	1.20)4	7.4				ALIMOTO ATT.	13.3			6.8		<u> </u>
19	6.9	17	5 19	94		8.0	1.17	76	7.5	5	5.3	3.4		12.9)		5.5	97.0	98.2
20	7.1					8.4	1.17	79	7.8					13.9			5.0		
21	7.2					7.3	1.20	30	7.4					13.9)		4.8		
22	7.1				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	9.1	3 1.1	46	7.6					13.9	9		6.9		
23	7.0					9.	7 1.7	39	7.6			1. in antennition		12,	9		7,5		
24	6.9				25.2	11	6 1.5	80	7.4				3.3	14.			8.6		
25	6.9					10	.5 1.4	41	7.5					13.	6		9.3	ļ	
26	6.9		0 2	70		11	5 1.6	60	7.4		5.3	2.9		13.	0		9.5	97.4	98.9
27	6.9					10	4 1.4	41	7.6					14.	2		9.1	<u> </u>	
28	6.9					10	.1 1.2	68	7.5					13.	.6	,	8.9	<u> </u>	
29	6.9	-				10	1,1	176	7.5					13	.0		8.2	<u> </u>	
30	6.8	3				10),1 1.1	179	7.5					13	.3		9.2	<u> </u>	
31	7.0				26.6	3 10),5 1.	165	7.7				0.09			a di Tatanza P	9.5		Qualitation in
Total	STATE OF	37 3			rational	eg ingiĝ	38	752					144		64 36	ŔĠ.	The state of the s	1.5	
Avg	517		21	278	23.			250	2143.45 2143.45		4.2	2.8	0.74	4 13	3.1	0.0	7.9	97.	9 98
Min	6.		1	194	14.		.0 0.	995	.7.1		3.1	2.1	0.0	1 12	2.0	0.0	3.8	97.	0 98
Max	7.			420				739	8.0)	5.3	3.4	3.3	14	1.2	0,0	10.1	98.	9 99

M	ONTHLY EFF	MONITO	RING	QUA	RTERLY EFF!	MONITORIN	G	MONTHL	MONTHLY INF MONITORING			
	Phosphorus mg/L		Nitrite+Nitrate mg/L	Oil & Grease mg/L	TR. Cadmium mg/L	Selenium mg/L	Hardness mg/L	Phosphorus mg/L	TKN mg/L	Nitrite+Nitrate mg/L		
1												
2						- mark and the Control of the Contro						
3			V-14-200-077									
4										Charles Bliff Reports		
5												
6			and the second s				<u> </u>					
7				Land Data (M)								
8								<u> </u>	<u> </u>			
9									004	- 0.000		
10	3.25	1.11	14.0					5.25	36.1	< 0.030		
11			A. WENNEY .					\\\				
12									-			
13												
14												
15		in Andrews							-	SUPPLE AND ADDRESS OF THE PARTY		
16				_					_			
17								A Charles and the second by the second				
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21					Links and the state of the stat							
22			A-11	manadumb days by the special section of the section						*****		
23	· · · · · · · · · · · · · · · · · · ·											
24												
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28	WALL TO PROPERTY OF THE PARTY O											
29										***************************************		
30			. de de la companya d									
31	en eusereards	31 V 78 V				6 34 - 33 - 14		5.25	1	1,		
Total	3.25		i		ACS CONTRACTOR	# 50 P-59 P-5			36			
Avg	3.25	1.1				Allera		5,25				
Min	3.25	1.1						5.25		3.1 < 0.030		
Max	3.25	1.1	1 14.0					5.25	30). I \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		

OPERATIONAL CONTROLS/LABORATORY TEST REQUIRED FOR "ACTIVATED SLUDGE" PROCESSES

	الموركسية والمستعدد ومرس	#1 Aeration Basin, O-Ditch, Etc.					The second se		*Weather Conditions			
	SLUDGE	#1 A6		LIQUOR	n, Etc.	₩Z AE	MIXED	sin, O-Dito LIQUOR	n, etc.	Outside	er Conc	altions
	DISP. LBS. DRY	* DO	** MLSS	*Settlea	hility	* DO	** MLSS	*Settlea	Bility	* Ambient	*RAIN	Time
DATE	WEIGHT		WESS	*30 min	Temp		,,,,,,,	*30 min	Temp	Temp	, , , , ,	,
Jan-24	77	mg/l	mg/l	ml	°C	mg/l	mg/l	ml	°C	٥F	inches	
1		5.0	5,960	840	10.4	3.2	6,380	860	10,4	36	0	7:30
2		2.5	5,630	790	8.7	1.7	6,200	900	9.3	27	0	7:30
3		3.1	4,930	780	9,0	2.4	5,680	850	9.5	30	0	7:30
4		3.5	5,970	850	9.2	3.6	5,340	780	9.7	32	0	7:30
5		1.4	6,280	850	9.5	3.4	5,450	770	9.7	35	0	7:30
6		2.4	4,560	770	9.8	3.3	4,610	700	10.2	41	0	7:30
7		3.4	4,710	770	9.6	4.6	4,370	570	9.8	39	0	7:30
8		2.9	4,380	670	9.5	4.0	4,380	630	9.6	40	0	7:30
9		2.8	4,770	710	10.1	2.7	4,270	620	10.4	42	0.75	7:30
10		3.7	4,590	620	9.5	3.4	4,000	450	9.7	30	0	7:30
11		3.0	4,110	510	9.3	3.3	4,130	530	9.7	34	0	7:30
12		3.2	3,900	380	10.3	3.9	3,970	490	10.6	45	0.5	7:30
13		4.0	3,300	400	7,3	4.4	3,670	570	7.3	15	0	7:30
14		6.0	3,500	400	4.8	5.8	3,640	450	.5.4	-3	0	7:30
15		7.0	3,200	350	4.0	5.8	3,840	570	4.9	7	0	7:30
16		6.1	3,260	330	3.9	6.2	4,110	520	5.4	7	0	7:30
17		7.2	3,550	350	5.1	7.0	3,780	450	5.4	21	0	7:30
18		7.1	3,780	450	6.3	7,1	3,440	440	7.2	34	0	7:30
19		4.8	3,650	400	5.7	5.1	3,750	450	6.2	8	0	7:30
20		5.9	4,320	600	5.9	6.0	3,370	360	5.8	1	0	7:30
21		7.8	4,160	570	5.0	8.0	3,58	360	5.0	10	0	7:30
22		4.7	4,160	480	7.2	4.2	3,72		7.5	30	0.75	
23		4.6	3,970	410	8.2	3.9	3,65		8.3	41	0.75	
24		4.5	3,740	430	9.4	5.0	4,12	0 430	9.8		0.5	
25		8.3	5,420	740	9.7				9.9		0.5	
26		5.	5 5,410	620	10	3.			10.4		0.5	
27		4.	8 4,900	740	10.3				10.0		0.28	
28		4.	4 5,28	740	9.5	6.			10.		0,2	
29		5.	6 5,55	1 780	8.8	5.	5 5,3	00 720	9.1		0	
30		5.	4 5,27	0 720	9.8	3 4.	.4 5,9				0	
31		5.	2 5,47	0 790	9.6	3 5	.3 6,1	00 830	9.1	3 32	0	7:30

COMMENTS:

	A STATE OF THE PROPERTY OF THE		
TESTS PERFORMED BY (PRINT)	SIGNATURE	PHONE #	DATE
John Hornback	(employee off due to surgery)	(573)365-0455	
REPORT APPROVED BY (PRINT)	SIGNATURE	PHONE #	DATE
Gary Hutchcraft	Gary Hitchcraft	(573)365-0455	2/6/2024

*Required Daily (Monday - Fuday)

**Required 1/week

State of Missouri Department of Natural Resources National Pollutant Discharge Elimination System (NPDES) Discharge Monitoring Report (DMR)

Permit Number	Outfall Number
MO0103241	00174
Monitoria	ıg Period
1/1/24	1/31/24
NODI:	****

Parameters	Reg	orting Requiremen	nts	Unit	Reporting Re	equirements	Unit
ow, in conduit or thru eatment plant	****	***	****	****	1.739	1.250	Mgal/d
1	作者我去本"各北容冰庄	家林蓉水灰。冼班水水彩	*****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
mple Type: Total Measured	1 1 1						
requency: Daily							
OD, 5-day, 20 deg. C	***	5,3	4.2	mg/L	****	****	****
on, Location.: End of Pipe	****	Weekly Avg.:45	Monthly Avg.:30		本次市水市·林市水市学	*****	
ample Type: 24 Hour Composite	·				h		
requency: Weekly						g and an analysis of the second	
The same of the sa	- 技术基本本	3.4	2.8	ուբ:Լ.	****	*****	***
otal Suspended Solids (TSS)	******	Weekly Avg.:45	Monthly Avg.:30		****	****	
Ion, Location.: End of Pipe	1	Weekly Avg.(4)	Molinity Avg.,30	i	1	1	
ample Type: 24 Hour Composite	1 3 1		;; }				1
requency: Weekly					****	****	****
Phosphorus, total (as P)	3.25	****	3.25	mg/L			
Mon. Location.: End of Pipe	Daily Max.:Monitoring Required	· 垃圾水准米 g 数要 要 者 市	Monthly Avg.:Monitoring Required		*************************************	****	
Sample Type: 24 Hour Composite	4 7 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8						
Frequency: Monthly		2					
Nitrogen, Kjeldahl, total (as N)	1.11	*****	1,11	mg/L	Statistical Conference of the	****	****
Mon. Location.: End of Pipe	Daily Max.:Monitoring Required	************************************	Monthly Avg.:Monitoring Required		* # * * * * * * * * *	表杂烩业准。本治疗水水	
Sample Type: 24 Hour Composite							
Frequency: Monthly							
Nitrite plus nitrate total (as N)	14.0	*****	14.0	nig/	****	****	****
Mon. Location.: End of Pipe	Daily Max.:Monitoring Required	****	Monthly Avg.:Monitoring Required		本·本本本。 ※ * 本 · 本 · 本 · 本 · 本 · 本 · 本 · 本 · 本 · 本	*****	
Sample Type: 24 Hour Composit	e i						
Frequency: Monthly							***
Nitrogen, ammonia total (as N)	3.3	****	0.74	gra 		****	
Mon. Location .: End of Pipe	Daily Max.:12.1	*****	Monthly Avg.:3.	1	*****	*****	
Sample Type: 24 Hour Composi	te		M. A. Tarres			1	
Frequency: Weekly	Î	;			1		

State of Missouri Department of Natural Resources National Pollutant Discharge Elimination System (NPDES) Discharge Monitoring Report (DMR)

pΉ	7,1	****	8,0	SU	****	****	****
Mon. Location.: End of Pipe	Minimum:6.0	*****	Maximum:9.0		*****	*****	
Sample Type: Grab							
Frequency: Weekly			# #				
BOD, 5-day, percent removal	非水水香油	*****	97.0	96	****	****	****
Mon. Location.: End of Pipe	*********	*****	Monthly Avg. Min.:85		李和智克松,表本在妆艺	水水水水水。如水水水水	
Sample Type: Calculated			1			į.	
Frequency: Monthly							
Suspended Solids, percent removal	****	****	98.2	%	***	****	****
Mon. Location.: End of Pipe	积水彩彩彩 医电影测净	**************************************	Monthly Avg. Min.:85		李宗张欢办。 中水中小	李本章水本, 在數水安卓	5.0072
Sample Type; Calculated		1		1 1 1		# T	
Frequency: Monthly		į		i.			
Comments:	ga et l'e autre remanere na attendeur van en en de l'hitel d'eller ille	A CONTRACTOR OF THE PROPERTY O	registry was pro-		Approxy) Transaction and Approximation and Appro	WHEN WE WANTED	

Comments:

State of Missouri Department of Natural Resources National Pollutant Discharge Elimination System (NPDES) Discharge Monitoring Report (DMR)

Permit Number	Outfall Number			
MO0103241	INFIM			
Monitori	-			
1/1/24	1/31/24			
NODI:	表示表演者			

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
3OD, 5-day, 20 deg. C	非法非水内	在水冷水水	221	mg/L	****	海水水污水	****
Mon, Location.: Influent	*****	****	Monthly Avg.:Monitoring Required	S. L.	****	·····································	
Sample Type: 24 Hour Composite	:		5 Transport	į			
requency: Monthly	:						
Total Suspended Solids (TSS)	安长春米水	****	278	mg/L	* 6 * 9 \$	****	****
Mon. Location.: Influent	水中水水水水水水水水水水水水水水水水水水水水水水水水水水水水水水水水水水水	¥水分半年•水分半末六	Monthly Avg.:Monitoring Required		家公米老公*****	******	
Sample Type: 24 Hour Composite				' (1
Frequency: Monthly	1			i.			
Nitrogen, ammonia total (as N)	35.6	本名水水子	23.9	mg/L	** ★ * * *	****	****
Mon, Location.: Influent	Duily Max.:Monitoring Required	水流水水水 , 水青水冷却	Monthly , Avg.:Monitoring Required		****	· 水水水水水 · 中省水水水	
Sample Type: 24 Hour Composite							ĺ
Frequency: Monthly							
Phosphorus, total (as P)	5.25	张准外张/6	5,25	mg/L	****	****	*****
Mon. Location.: Influent	Daily Max.:Monitoring Required	****	Monthly Avg.:Monitoring Required		·李林水林水,水水水水水	*****	
Sample Type: 24 Hour Composite							
Frequency: Monthly							
Nitrogen, Kjeldabl, total (as N)	36.1	****	36.1	mg/L	******	****	****
Mon. Location.: Influent	Daily Max.:Monitoring Required	****	Monthly Avg.:Monitoring Required		◆次十本次。※本系申本	*****	
Sample Type: 24 Hour Composite				i.			
Frequency: Monthly							
Nitrite plus nitrate total (as N)	<0.03	本 章亦清本	<0.03	mg/L	*****	****	■本華 本
Mon, Location.: Influent	Daily Max.:Monitoring Required	******	Monthly Avg.:Monitoring Required		冰水浴水水。 * * * * * *	*****	
Sample Type: 24 Hour Composite							
Frequency: Monthly							

State of Missouri Department of Natural Resources National Pollutant Discharge Elimination System (NPDES) Discharge Monitoring Report (DMR)

I certify under penalty of law that this document and all affachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant panalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.								
eSignature Gary Hutchcraft	Eddings David	User Phone Number (573)365-0455						

Lane oblankosede belok www.p Operation.Report

HIR IANUARY ZUZA

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2024 Regulatory Compliance Report Mark Mahler, Director of Safety & Regulatory Compliance

Alliance tracks new and proposed legislative and regulatory issues on an ongoing basis on behalf of its clients. This quarterly report identifies some of the most impactful issues at the Federal and State levels. The information has been compiled by Alliance from MRWA, the Association of Clean Water Agencies and other professional and regional sources.

1st Quarter 2024, Missouri

Water Exportation

The House Committee on Conservation and Natural Resources convened to discuss HB 2153. The bill seeks to limit or ideally eliminate shipping water out of the State of Missouri. During bill presentation, the sponsor stated the intent of the legislation is to all but eliminate the shipment of any water out of the state of Missouri as there are some areas of the state with abundant water supplies and others that are lacking critical resources. Additionally, it was stated that water is one of Missouri's most valuable resources and utilized for not only consumption, but also our crops. Substitute language will be presented to the committee which will address any current water exportation projects. Another potential compromise would be requiring exporters to acquire a permit from the state before doing so.

Design Rule Change

PROPOSED REVISIONS TO PUMP STATION BACKUP POWER RULE - Updating pump station design rules so that all pump stations have some peak-flow based storage. PS > 100,000 gal/day would need a minimum of 2 hours storage, and those > 1 million gal/day would need 4 hours of storage.

Other Bills of Interest

HB 1621 — FLUORIDATION IN WATER SYSTEMS - This bill would require any public water system or public water supply district that intends to start or stop fluoridation of its water supply on a continuing basis to seek and receive information about the impact of public water fluoridation from the local health department.

HB 1734 -- COMMUNITY WATER SYSTEM HYDRANT INSPECTIONS - This bill would only require a program to include scheduled testing of every hydrant.

HB 1871 -- DRINKING WATER - Beginning January 1, 2025, this bill proposes that a maximum contaminant level (MCL) of vinyl chloride in drinking water of 1.8 part per billion. The bill also proposes to reduce the MCL by 0.2 ppb each year until it reaches 1.0 ppb on January 1, 2029.



Regulatory Compliance Report Mark Mahler, Director of Safety & Regulatory Compliance

Alliance tracks new and proposed legislative and regulatory issues on an ongoing basis on behalf of its clients. This quarterly report identifies some of the most impactful issues at the Federal and State levels. The information has been compiled by Alliance from Rural Water Associations, the Association of Clean Water Agencies and other professional and regional sources.

1st Quarter 2024, Federal

The U.S. Environmental Protection Agency (EPA) is proposing revisions to the previously authorized National Primary Drinking Water Regulation (NPDWR) for lead and copper under the authority of the Safe Drinking Water Act (SDWA). Two key proposed changes are:

- Achieving 100% Lead Pipe Replacement within 10 years.
- Lowering the Lead Action Level from 15 μg/L to 10 μg/L.

Other proposed changes are improved tap sampling and strengthening protections to reduce exposure. One provision not changing is the October 16, 2024, deadline to provide states with an initial inventory of lead service lines.

iour Mission

Wexpartner/With communities to deliver the finest water and wastewater x services avallable al a competitive nnce We are committed to keeping Water safe and depar While serving (1)(1)(1)(1)(1)(1) faking cara of communities With/improved technical : (០)១៩/១៥(០)ខន្ម careful management and financial oversight and ensured *េក្រឡងជ្រាស់*រូវ compliance.

Alliance Water Resources

206 S. Keene El Columbia MC 1482000

((4743)1572-1510110



REPORT OF OPERATIONS

LAKE OZARK/OSAGE BEACH
Joint Wastewater Treatment Plant No. 1

Month of February 2024

Submitted by Alliance Water Resources, Inc. for the

March 2024

Joint Sewer Board Meeting

SUMMARY OF FACILITY OPERATION

The Lake Ozark/Osage Beach Joint WWTP produced superior effluent quality throughout the month and was in full compliance with effluent limitations established in NPDES Permit No.MO-0103241. No leaks, no spills, and no unauthorized releases to waters of the state. No work-related lost time accidents have occurred during the month.

Detailed information relating to plant performance and operations is presented as follows.

PLANT EFFLUENT QUALITY

	BOD mg/l	TSS mg/l		E.coli Coliform Colonies/100 ml	Ammonia as N mg/L	O&G mg/L
Monthly/Quarterly Avg	1.8	1.0	N/A	0.0	0.04	< 2.0
Peak Day	2.1	1.6	8.0	0.0	0.06	< 2.0
Percent Removal	99.3	99.7	N/A	N/A	N/A	N/A

NPDES EFFLUENT LIMITATIONS

	BOD mg/l	TSS mg/l	Hq	E.coli Coliform Colonies/100 ml	Ammonia as N mg/L	O&G mg/L
Monthly/Quarterly Avg Weekly Average	30 45	30 45	6-9	126 630	2.7	10
Daily Max	, ,			N/A	10.1	15

PLANT HYDRAULIC AND ORGANIC LOADING

The average daily influent flow for the month was 0.815 MGD or 27% of Permitted flow with Lake Ozark contributing 15% of the total flow and Osage Beach contributing 85%. Daily influent flow BOD and TSS data is presented in Table A. Daily flow for the month and rainfall are shown in Figure 2. A three-year flow history for each of the two cities is presented in Table B.

Organic loading for the month was 50076 pounds of BOD.

BIOSOLIDS APPLICATION AND INVENTORY

Plant personnel land applied 36 tanker loads of bio-solids during the month equivalent to a total of 129,600 gallons and 40,863 pounds dry weight solids.

40,863 pounds of dry weight solids have been land applied year to date.

Bio-solids inventory in the storage tanks at the end of the month was 472,500 gallons with a level of 7.0 feet in Tank 1 and 3.5 feet in Tank 2.

WASTEHAULERS

The plant received 21 loads of septage during the month totaling 40,000 gallons.

WWTP OPERATIONS

- Decanting digesters and wasting weekly.
- Normal operations.

WWTP MAINTENANCE AND REPAIR

- Performed routine maintenance throughout the month as per Maxpanda Maintenance Data Management software schedule.
- Hogan's Inc. started sandblasting Clarifier #3 on the 2nd of February. They were here a total of 16 days blasting and painting throughout the month. They put the final coat of paint on, on the 6th of March.

SAFETY

 We conducted our monthly Safety Meeting on Bloodborne Pathogens, Driver Safety: Hazardous Driving Conditions & CPR Refresher on the 15th of February.

REGULATORY AGENCY, INSPECTION AND REPORT

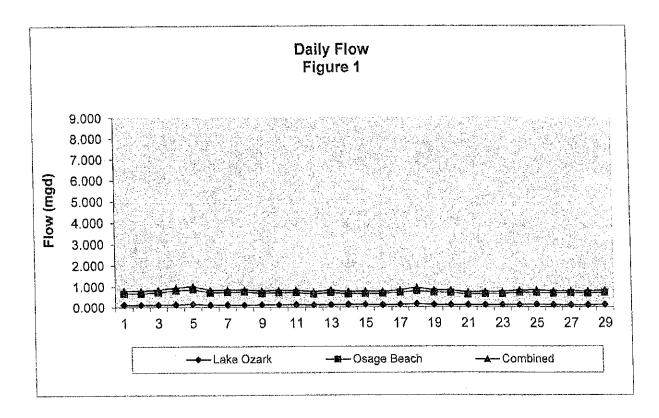
• We filled out the new EDMR on the EPA MoGEM website on the 7th of March.

MISCELLANEOUS AND RECOMMENDATIONS

TABLE A LAKE OZARK/OSAGE BEACH WWTP

MONTH OF February 2024

DATE			FL	OW			В	OD 5 MC	G/L	7	rss MG.	/L
	RAIN FALL IN.	LO mgd	OB . mgd	COMB mgd	% LO	% ОВ	LO mg/l	OB mg/l	COMB mg/l	LO mg/l	OB mg/l	COMB mg/l
1-Feb	0	0.129	0.669	0.798	16.2	83.8						
2-Feb	0	0.127	0.671	0.798	15.9	84.1	340	223	220	320	152	21
3-Feb	0	0.131	0.728	0.859	15.3	84.7						
4-Feb	0.6	0.140	0.815	0.955	14.7	85.3						
5-Feb	0	0,153	0.868	1.021	15.0	85.0						
6-Feb	0	0.121	0.713	0.834	14.5	85.5						
7-Feb	0	0.121	0.724	0,845	14.3	85.7			1 - 1 - 1 - 1 - 1 - 1			
8-Feb	0	0.112	0.740	0.852	13.1	86.9						
9-Feb	0	0.117	0.673	0.790	14.8	85.2	175	265	240	180	228	21
10-Feb	0	0.119	0.700	0.819	14.5	85.5						
11-Feb	0	0.130	0.700	0.830	15.7	84.3						
12-Feb	0	0.114	0.629	0.743	15.3	84.7						
13-Feb	0	0.121	0.705	0.826		85.4						
14-Feb	0	0.123	0.635	0.758	16.2	83.8						
15-Feb	0	0.126	0.643	0.769		83.6						
16-Feb	0	0.108	0.650	0.758		85.8	265	310	278	148	350	3:
17-Feb	0.5	0.123	0.709	0.832		85.2		<u> </u>				
18-Feb	0	0.157	0.785	0.942		83.3		<u> </u>		<u> </u>	<u> </u>	
19-Feb	0	0.119	0.711	0.830		85.7						
20-Feb	0	0.113	0.698	0.811	13.9	86.1				<u> </u>		<u> </u>
21-Feb	0	0.108	0.611	0.719		85,0					ļ	
22-Feb	0	0.106	0.636	0.742		85.7					<u> </u>	
23-Feb	0	0.115	0,636	0.75		84.7	273	3 280	27	8 186	328	3 4
24-Feb	0		0.696	0.810		85.9						
25-Feb	0		0.699	0.82		84.8						
26-Feb	0	0.113	0.658	0.77		85.3						
27-Feb	0	0.094	0.687	0.78		88.0			<u> </u>		<u> </u>	
28-Feb	0	0.101	0.666	0.76		86.8						
29-Feb	0	0.111	0.693	0.80	13.8	86,2						
SUM	1.1	3.491	20.148	23.639								
AVG		0.120	0.695	0.815	15	85	263	270	254	209	265	305



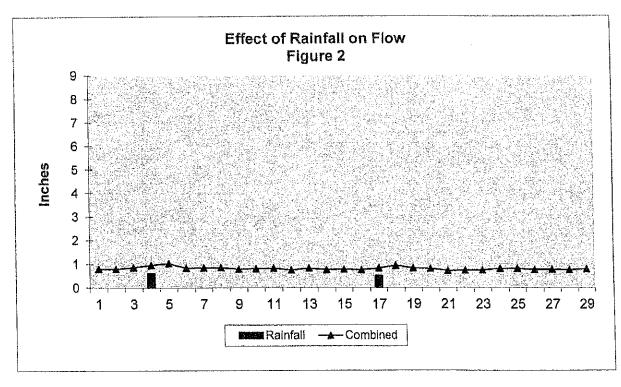
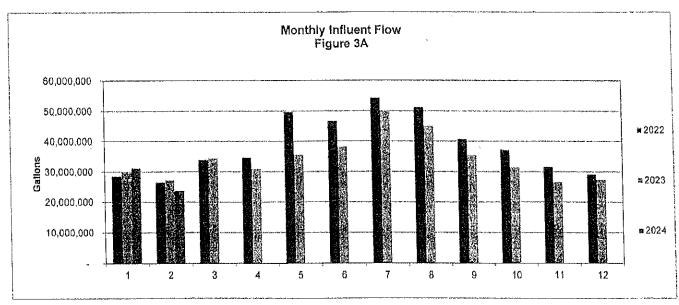
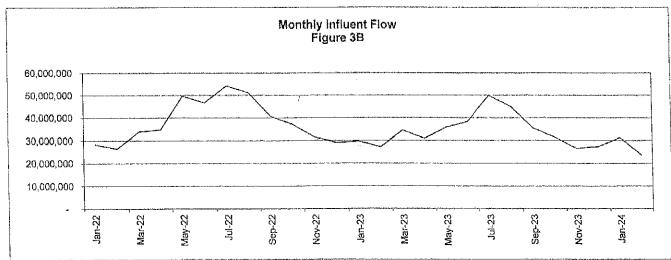
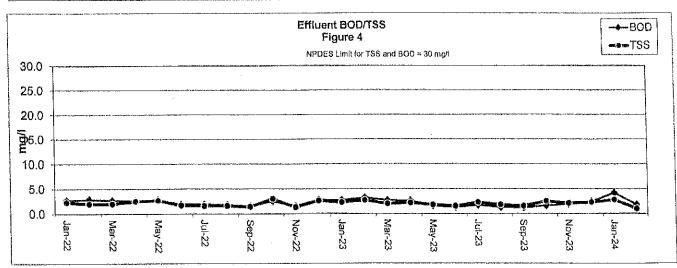


TABLE B JOINT SEWER BOARD Monthly Flows

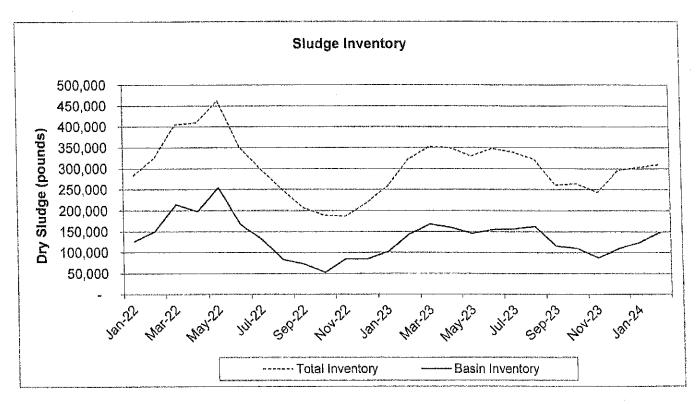
2022 January February March April May June July August	1.7 3.8 5.2 6.3 9.1 3.3 2.6 6.8	21,853,000 28,266,000 28,580,000 41,076,000 39,125,000 45,728,000	83% 83% 83% 82% 83% 84% 84%	4,610,000 1 5,657,000 6,088,000 8,597,000 7,563,000 8,591,000	17% 17% 17% 18% 17% 16% 16%	TOTAL 28,423,000 26,463,000 33,923,000 34,668,000 49,673,000 46,688,000 54,319,000 51,265,000	% 100% 100% 100% 100% 100% 100% 100%
September	2.4	34,238,000	84%	6,499,000	16%	40,737,000	100%
October	5.2	31,814,000	86%		14%	37,131,000	100%
November	4.5	26,905,000	85%	4,739,000	15%	31,644,000	100%
December	1.9	24,749,000	85%	4,376,000	15%	29,125,000	100%
	52.7	388,482,000	84%	75,577,000	16%	464,059,000	100%
2023 January February March April May June July August September October November December	RAINFALL 2.8 3.9 6.2 1.3 2.1 0.9 7.1 8.3 2.5 3.2 1.0 3.4 42.7	OSAGE BEACH 25,972,000 23,448,000 29,920,000 26,903,000 29,783,000 32,155,000 42,263,000 37,375,000 29,574,000 26,468,000 22,375,000 23,026,000	87% 86% 87% 83% 84% 85% 83% 84% 84% 84%	LAKE OZARK 3,812,000 3,820,000 4,559,000 4,085,000 5,950,000 6,040,000 7,678,000 7,664,000 5,917,000 5,067,000 4,282,000 4,445,000	13% 14% 13% 13% 17% 16% 15% 17% 16% 16%	TOTAL 29,784,000 27,268,000 34,479,000 30,988,000 35,733,000 49,941,000 45,039,000 35,491,000 31,535,000 26,657,000 27,471,000	% 100% 100% 100% 100% 100% 100% 100% 10
2024	RAINFALL	OSAGE BEACH	,	LAKE OZARK		TOTAL	%
January	4.8	26,487,000	85%	4,806,000	15%	31,293,000	100%
February March April May June July August September October November December	1.1	20,148,000	85%	3,491,000	15%	23,639,000	100%
	5.9	46,635,000	85%	8,297,000	15%	54,932,000	100%

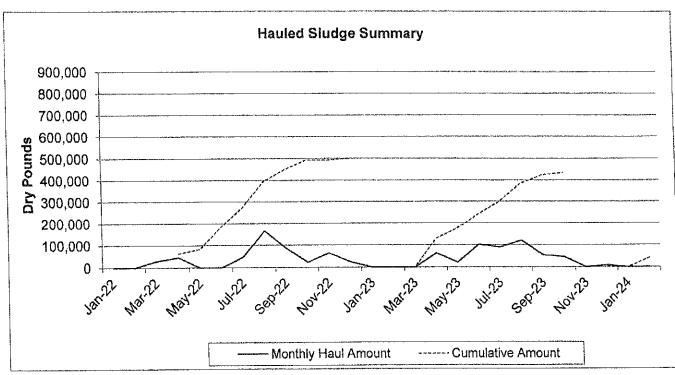






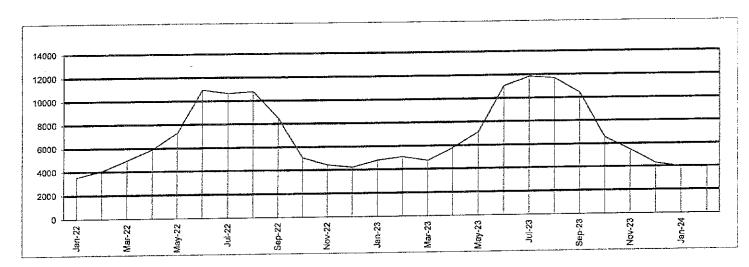
Jan-22 Feb-22 Mar-22 Mar-22 Jul-22 Jul-22 Sep-22 Oct-22 Jan-23 Mar-23 May-23 Jul-24 Jul-24 Ju	0 0 47 16 84 80 108 51 42 0 0 116 48 55 51 74 34 9.5	Gallons 169,200 57,600 302,400 288,000 388,800 183,600 151,200 28,800 417,000 172,800 208,800 183,600 122,400 34,200	Haulec # Dry 0 0 0 0 0 62,120 21,017 102,052 88,961 120,426 64,073 44,405 0 7,746 0 0 0 129,223 46,747 65,362 58,367 39,271 11,124	Sludge % Solids 4.5% 4.4% 4.4% 4.4% 3.7% 3.5% 3.5% 3.2% 3.2% 3.2% 3.2% 3.2% 3.2% 3.2% 3.2% 3.2% 3.2% 3.3.2%	62,120 83,137 185,189 274,150 394,576 448,649 493,054 493,054 500,800 		in Deoths ank #2 / 3.0 3.0 3.0 5.0 4.0 2.5 4.0 2.5 3.0 3.5 5.5 7.0 6.0 5.0 4.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0		337,500 450,000 585,000 585,000 585,000 427,500 427,500 180,000 292,500 315,000 382,500 540,000 547,500 540,000 495,000 495,000 517,500 382,500 540,000 495,000 517,500 382,500 540,000 495,000 517,500 300,000 317,500 317,500 317,500	# Dry 126,864 150,120 214,672 198,255 254,503 167,049 132,051 83,629 72,893 52,863 85,381 84,722 102,082 144,115 168,134 160,367 146,084 154,953 157,200 162,373 115,503 109,776 87,820	Clarf #1 1.0 4.0 9.0 10.0 2.0 4.5 8.0 1.5 1.0 2.0 1.0 2.0 1.0 0.5 1.0 0.5 2.0 1.0 0.5 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	3.5 1.5 10.0 10.0 0.5 3.0 1.0 0.5 1.0 2.0 2.0 4.0 3.5 1.0 0.5 2.0	0.0 0.0 1.0 1.0 1.5 0.5 0.5 0.0 0.0 0.0 0.0 1.0 1.0 1.0 5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	MLSS Inv ILSS A8 #1 N 5,050 6,280 5,870 7,100 6,290 5,760 4,740 5,490 4,550 4,590 4,590 4,510 4,880 6,060 5,310 6,200 6,030 6,	1.55 AB #2 5,180 5,030 5,760 5,800 6,630 5,860 5,420 4,160 2,340 4,390 2,340 4,290 6,570 6,540 6,170 6,530 6,440 5,710 6,530 6,440 5,750 6,540 6,750 6,540 6,750 6,540 6,750 6,540 6,750 6,54	5,679,929 3,697,691 3,997,478 3,998,566 3,856,572 3,753,982 3,860,524 3,665,119 3,657,238 3,639,476 3,635,524 3,653,286 3,635,524 3,671,048 3,671,048 3,671,048 3,671,048 3,671,048 3,671,048 3,671,048 3,671,048 3,671,048	Sinventory # Diy 157,136 174,393 190,464 211,765 207,778 184,247 166,296 166,789 134,359 136,286 101,573 133,756 155,543 187,7882 184,213 189,771 184,142 193,254 182,088 160,285 145,339 154,650 155,374 186,455	MESS % Solids 0.0051 0.0051 0.0054 0.0055 0.0055 0.0055 0.0055 0.0056 0.0	Total Dry Sludge Inventory 283,600 324,513 405,135 410,021 462,281 351,297 298,348 250,418 207,251 189,149 186,954 218,478 257,625 321,997 362,347 350,138 330,226 348,207 339,287 322,658 260,642 264,426 243,194 295,230	35 74,5 38 87,5 50 115,5 82 171,5 49 102,5 59 131,5 61 120,5 27 65,5 84 164,6 40 85,5 30 590,2 29 77,6	Cons Cons
Sep-23	34 9.5 0 0	122,400 34,200	39,271	3.8% 3.9%		7.5	0.0	0.0	337,500	109,776	0.5	0.5	0.5	4,530	5,660	3,639,476	154,650 155,374	0.0050	243,194	30 59,0 29 77,0 23 43,0	.000



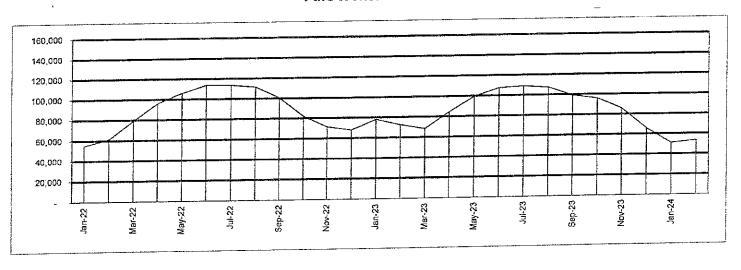


Electric Cost Kilowatts Used 55,070 Jan-22 3547 61,330 Feb-22 4063 79,050 Mar-22 4979 5907 Apr-22 96,160 106,100 May-22 7292 113,870 Jun-22 10958 Jul-22 10648 113,590 111,690 10800 Aug-22 100,470 Sep-22 8498 Oct-22 5071 82,030 71,240 Nov-22 4451 68,000 Dec-22 4224 4809 77,980 Jan-23 5074 72,420 Feb-23 68,320 Mar-23 4730 84,440 5801 Apr-23 99,300 May-23 7128 107,520 Jun-23 11076 Jul-23 109.070 11845 107,330 Aug-23 11697 99,140 Sep-23 10438 Oct-23 6553 96,000 5474 85,570 Nov-23 65,618 Dec-23 4293 51,236 Jan-24 3972 53,460 Feb-24 3925

Electric Cost



Kilowatts Used



Lake Ozark/Osage Beach WWTP Phosphorus Removal

	Inf. mg/L	Eff. mg/L		Inf. mg/L	Eff. mg/L		Inf. mg/L	Eff. mg/L
Jan-22	4.8	1.9	Jan-23	4.9	2.7	Jan-24	5.3	3.3
Feb-22	4.6	1.7	Feb-23	5.9	3.0	Feb-24	5.3	2.8
Mar-22	4.9	2.9	Mar-23	5.1	2.9	Mar-24		
Apr-22	4.7	2.9	Apr-23	6.0	3.2	Apr-24		
May-22	4,4	2.8	May-23	5.6	1,9	May-24		
Jun-22	4.4	3.7	Jun-23	6,2	2.8	Jun-24		
Jul-22	6.2	2.8	Jul-23	7.2	0.6	Jul-24		
Aug-22	3,5	1.0	Aug-23	. 4.7	0.6	Aug-24		
Sep-22	5.3	4.5	Sep-23	5.0	4.6	Sep-24		
Oct-22	6.1	6.8	Oct-23	7.0	6.6	Oct-24		
Nov-22	4.8	3.6	Nov-23	7.6	5.4	Nov-24		
Dec-22	4.8	2.8	Dec-23	5.9	3.6	Dec-24		
Avg.	4.9	3.1	Avg.	5.9	3.2	Avg.	5.3	3.0



MISSOURI DEPARTMENT OF NATURAL RESOURCES DIVISION OF ENVIRONMENTAL QUALITY

Discharge Monitoring Report For Municipal Wastewater Treatment Plants

*		3 1 A B 4 C	- OF FA	OILITY					OCATI	ON ADDRE	99 8 CIT	V	-		
			OF FA					i.				Ť	(COUNTY/R	1
		the Oza		gional WW					#3	Anderson				Miller/\$\	VRO
MONTH/Y	- 1		Р	ERMIT NU MO-0103			DUTFALL N #001		Avi	dation Dite		EATMENT		a land asa	liod
Feb-2	4	INFLU	ENT	1410-0103	241	······································	#001			LUENT	ino yronuc		g-siduge i	% Rem	
DATE	pH UNITS	BOD mg/L	TSS mg/L	Ammonia as N mg/l	TEMP °C	FLOW MGD	pH UNITS	BOD mg/L	TSS mg/L	Ammonia as N mg/l	DO mg/L	E. coli COLFRM #/100 ML	TEMP °C	BOD mg/L	TSS mg/L
1	6.9	11975	Hight	11197	11.9	0.955	7.4	11.9.5			13.4	10 100 1112	9.9	17.972	
2	6.9	220	218		11.9	1.085	7.4	2.1	0.5		13.6		9.9	99.0	99.8
3	7.0				11.7	1,130	7.6			THE STATE OF THE S	12.5		10.8		
4	7.1				11.8	1,231	7.9				12,0	ļ ———	10.6		
5	7.1				11.6	1.296	7.9				10.6	1	10.3	77	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
6	7.0				11.6	1.106	7.7				10.8		9,8		
7	7.0	 		31.6	12.8	1.108	7.7			0.01	10.8	 	11.6		
8	6,9		ļ		13.3	1.115	7.6	<u> </u>			10,3	<u> </u>	12.1		
9	6.9	240	218		12,0	1.080	7.5	1.6	0.3		10.4		11,3	99.3	99.9
10	6.8				13.1	1.010	7.2				10.2		12.2		
11	7.1		1		12.6	1.067	7.6				10.4	 	10.8		
12	7.1				12.6	1,000	7.8		1	1	10.6	***************************************	10.3		Science and Said Said Said Said Said Said Said Sai
13	6.9				11.0	1.083	7.5				10.8		9.7		
14	7.2	 	1	42.4	13.3	1.019	7.8		 	0.06	10.6		10.6		***
15	6.8		†		11.7	1.025	7.5				10.6		11.2		
16	7.0	278	322	<u> </u>	11.5	0,966	7.6	1.7	1.4		10.5		10.7	99.4	99.6
17	7.1				8.7	1.099	8.0				10.8		7,1		
18	7.3			<u> </u>	9.8	1.199	7.8				10.9		8.1		7/
19	7.0	1 -	-		10.8	1,080	7.7		1		11.0		9.0		
20	7.0		 		11.2	1.038	7.7				10.8		10.2		
21	6.8		1	22.9	11.8	0.965	7.5		-	0.02	10.8		10.7	†	
22	7.0				12.9	0.993	7.6				10.3		12.4	†	-
23	6.9	278	462		12.3	1.021	7.9	1.8	1.6		10.0		11.5	99.4	99.7
24	6.9	†			12,3	0,993	7.3		1		10.2		11.1		
25	7.2			1	12.4	1.079					10.4		11.6	1	1
26	7.1	-			13.7	0,995	 -	1			10.1		11.4	1	
27	6.9			1	13.4	0.955					9.6		13.4		
28	7.0			14.9	11.6	1.008				0.06	9,9		11.3	<u> </u>	1
29	7.0	1			12.4	0.982	7.9			~	10.0		12.5		1
Total			L LANGE			30.68	3								
Total						1.058	44444	10					40.0		
Avg		1			12.0			1						1	99.
Min	6.8	220			8.7	0.955		1.6			9.6			99.0	99.6
Max	7.3	278	3 462	42.4	13.7	1.29	8.0	2.1	1.6	0.06	13.6	0.0	13.4	99.4	_

	MONTHLY EFF	MONITO	RING	QUA	RTERLY EFF	MONITORIN	IG	MONTHL	Y INF MO	ONITORING
DATE	Phosphorus mg/L	TKN mg/L	Nitrite+Nitrate mg/L	Oll & Grease mg/L	TR. Cadmium	Selenium mg/L	Hardness mg/L	Phosphorus mg/L	TKN mg/L	Nitrite+Nitrate mg/L
1										
2									Mean operation	
3									yaa aana oo aa waana dhabbaah	Company of the Compan
4										
5										on a construction of the second construction of
6										
7	2.83	1.43	2.69	< 2.0	< 0.002	< 0.04	321	5.30	49.6	< 0.03
8										
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28					O2112					
29	CONTROL OF A CONTROL AND A		4770-141							
Total			/ / 269		F (43) (502)	% 0 ° ≥ ° ≥ 6 ° 0	321	5 30	49)	i i i i i i i i i i i i i i i i i i i
Avg	2,83	1.43		< 2.0	< 0.002	< 0.04		5,30	49.0	
Min	2.83	1.43		< 2.0	< 0.002			5.30	49.6	
Max	2.83	1.43	1	< 2.0	< 0.002	< 0.04		5.30	49.	The second secon

OPERATIONAL CONTROLS/LABORATORY TEST REQUIRED FOR "ACTIVATED SLUDGE" PROCESSES

	SLUDGE	#1 Ac	ration Bas	in, O-Ditc	h, Etc.	#2 Ae	ration Bas	sin, O-Dito	h, Etc.	*Weath	er Cond	ditions
	DISP.		MIXED	LIQUOR			MIXED			Outside		
	LBS. DRY	* DO	** MLSS	*Settlea		* DO	** MLSS	*Settlea		* Ambient	*RAIN	Time
DATE Jan-23	WEIGHT	mg/l	mg/l	*30 min ml	Temp °C	mg/l	mg/l	*30 min mi	Temp ° C	Temp ° F	inches	
1		5.3	5,090	740	10.4	4,0	5,440	820	10.7	39	0	7:30
2		4.2	5,590	770	11.1	4.8	5,280	760	11.6	44	0	7:30
3		4.4	5,590	790	11.2	4.1	5,550	790	11.8	50	0	7:30
4		3.3	5,380	770	11.1	2.9	5,780	790	11.6	48	0.6	7:30
5		2.0	5,310	750	10.6	1.9	5,750	800	11.2	36	0	7:30
6		2.2	5,510	730	10.1	2.0	5,660	770	10.5	32	0	7:30
7		1.8	6,080	780	11.5	1.7	5,350	760	11.7	39	0	7:30
8		1.9	5,910	760	12.3	1.8	5,580	700	12.3	54	0	7:30
9		2.0	5,310	700	11.6	1.8	5,670	820	11.9	42	0	7:30
10		1.8	5,420	650	12.0	1.9	5,970	800	12.2	43	0	7:30
11		2.2	5,440	750	11.0	2.5	5,900	840	11.3	32	0	7:30
12		2.4	5,180	660	, 10.7,	1.8	5,800	800	10.8	41	0	7:30
13		2.7	5,670	790 .	10.0	1.9	5,560	840	10.3	32	0	7;30
14		1.7	5,980	800	10.6	1.8	5,650	780	11.0	36	0	7:30
15		1.8	5,680	.760	11.2	1.9	5,770	800	11.4	50	0	7:30
16		2.0	5,090	640	10.8	1.8	6,010	820	11.2	39	0	7:30
17		2.7	4,910	710	8.8	2.4	6,080	850	8.9	24	0.5	7:30
18		3.3	5,090	760	9.0	2.3	5,980	880	9.1	30	0	7:30
19		3.0	5,050	750	9.3	2.1	5,830	860	9.6	29	0	7:30
20	4,684	2.2	5,360	790	10.5	2.1	5,620	810	10.3	35	0	7:30
21	9,367	7 2.1	5,660	800	10.5	2.0	5,810	840	10.6	40	0	7:30
22	6,00	5 1.9	5,910	800	12,5	2.1	5,730	810	12.6	- 50	0	7:30
23		1.8	5,650	770	11.8	2.3	6,030	860	11.9	40	0	7:30
24		1.9	5,450	700	11.4	2.0	5,970	840	11.6	39	0	7:30
25		1.7	5,570	740	12.0	2.1	6,180	840	11.9	40	0	7:30
26	6,12	5 2.3	5,000	640	12.1	1.7	6,370	840	12.4	40	0	7:30
27	8,19	7 1.8	5,530	710	13.6	1.7	6,09	008	13.5	5 53	0	7:30
28		2.0	5,610	780	11.6	1.9	5,80	0 840	12.0	29	0	7:30
29	6,48	5 1.9	5,120	760	12.3	2.0	5,53	0 780	12.5	5 27	0	7:30
							<u> </u>					_
				1						<u> </u>		
COMME	NTS:									 		

DATE SIGNATURE PHONE # TESTS PERFORMED BY (PRINT) (573)365-0455 3/6/2024 John Homback REPORT APPROVED BY (PRINT) DATE PHONE # 3/6/2024

*Required Daily (Monday - Friday)

Gary Hutchcraft

**Required 1/week

(573)365-0455

State of Missouri Department of Natural Resources National Pollutant Discharge Elimination System (NPDES) Discharge Monitoring Report (DMR)

Permit Number	Outfall Number
MO0103241	001M
Monitori	ng Period
2/1/24	2/29/24
NODI:	****

Parameters	Re	porting Requireme	nts	Unit	Reporting I	Unit	
low, in conduit or thru	为和松本本	****	在海市市市	收者本本市	1,296	1.058	Mgal/d
" !L	者村歌店水·朱安安康。	****	*****	,	Daily Max.:Monitoring Required	Monthly Ayg.:Monitoring Required	in the state of th
ample Type: Total Measured							
requency: Daily							
3OD, 5-day, 20 deg. C	****	2.1	1.8	mg/l.	****	****	****
vion. Location.: End of Pipe	****	Weekly Avg.:45	Monthly Avg.:30		****	*****	
Sample Type: 24 Hour Composite							
Frequency: Weekly		N. S.					
Total Suspended Solids (TSS)	****	1.6	1.0	mg/L	****	****	****
Mon. Location.: End of Pipe	****	Weekly Avg.:45	Monthly Avg.:30		*****	****	
Sample Type: 24 Hour Composite		1					
Frequency: Weekly							
Phosphorus, total (as P)	2,83	***	2.83	mg/L	****	*****	***
Mon. Location.: End of Pipe	Daily Max.:Monitoring Required	****	Monthly Avg.:Monitoring Required		*****	*********	
Sample Type: 24 Hour Composite Frequency: Monthly	2						
Nitrogen, Kjeldahl, total (as N)	1.43	****	1.43	nıg/L	****	****	****
Mon. Location.: End of Pipe	Daily Max.:Monitoring Required	******	Monthly Avg.:Monitoring Required		******	*****	
Sample Type: 24 Hour Composite							
Frequency: Monthly	L I I I I I I I I I I I I I I I I I I I						
Nitrite plus nitrate total (as N)	2.69	***	2.69	mg/L	****	****	****
Mon. Location.; End of Pipe	Daily Max.:Monitoring Required	*****	Monthly Avg.:Monitoring Required		*****	*****	
Sample Type: 24 Hour Composite				1			
Frequency: Monthly			ALCO MANAGEMENT				
Nitrogen, ammonia total (as N)	0.06	操作班市班	0.04	mg/L	****	有字章等书	****
Mon. Location.: End of Pipe	Daily Max.:10.1	*****	Monthly Avg.:2.7		*****;*****	****	
Sample Type: 24 Hour Composite			W				
Frequency: Weekly		Ï					

State of Missouri Department of Natural Resources National Pollutant Discharge Elimination System (NPDES) Discharge Monitoring Report (DMR)

pH	7.2	***	8.0	SU	****	****	****
Mon, Location.: End of Pipe	Minimum:6.0	****	Maximum:9.0	_	****	*****	
Sample Type: Grab							
Frequency: Weekly							
BOD, 5-day, percent removal	****	****	99.0	0/0	****	相母常在每	*****
Mon. Location.: End of Pipe	有引用水水。★本水水	*************************************	Monthly Avg. Min.:85		*****	****	
Sample Type: Calculated				i.			
Frequency: Monthly			A CONTRACTOR OF THE CONTRACTOR				
Suspended Solids, percent removal	****	****	99.6	9/6	****	******	****
Mon. Location.: End of Pipe	家北埠市本"省水水水	******	Monthly Avg. Min.:85	G	*****	***********	
Sample Type: Calculated		d de la company					
Frequency: Monthly							

State of Missouri Department of Natural Resources National Pollutant Discharge Elimination System (NPDES) Discharge Monitoring Report (DMR)

Permit Number	Outfall Number
MO0103241	INFIM
Monitoris	ng Period
24.21	2/29/24
2/1/24	

Parameters	Re	porting Requireme	ents	Unit	Reporting F	tequirements	Unit
OD, 5-day, 20 deg. C	****	*****	254	mg/L	****	*****	****
Ion. Location.; Influent	*****	****	Monthly Avg.:Monitoring Required		****	*****	
ample Type: 24 Hour Composite						The state of the s	
requency: Monthly		-NICE STOP			PUTEVALOVINA HEVIDOVINA		
otal Suspended Solids (TSS)	****	****	305	mg/L	****	****	****
Ion. Location.: Influent	*************************************	*************************************	Monthly Avg.:Monitoring Required		*****	******	
Sample Type: 24 Hour Composite							
requency: Monthly				Lanconnection of the second			
Nitrogen, ammonia total (as N)	42.4	****	28.0	mg/L	****	****	*****
Mon. Location.: Influent	Daily Max.:Monitoring Required	*****	Monthly Avg.:Monitoring Required		****	*****	
Sample Type: 24 Hour Composite							
Frequency: Monthly				Lukan, min			
Phosphorus, total (as P)	5.30	****	5.30	mg/L	****	办水中水车	****
Mon. Location.: Influent	Daily Max.:Monitoring Required	*****	Monthly Avg.:Monitoring Required		*****	******	
Sample Type: 24 Hour Composite							
Frequency: Monthly				<u> </u>			
Nitrogen, Kjeldahl, total (as N)	49.6	****	49.6	mg/L	***	****	****
Mon. Location.: Influent	Daily Max.:Monitoring Required	*****	Monthly Avg.tMonitoring Required		*****	*****	
Sample Type: 24 Hour Composite							
Prequency: Monthly							
Nitrite plus nitrate total (as N)	<0.03	本 章 本 本 本 本	<0.03	mg/L	****	****	****
Mon, Location.: Influent	Daily Max.:Monitoring Required	*****	Monthly Avg.:Monitoring Required		*****	*****	-
Sample Type: 24 Hour Composite	:						
Frequency: Monthly				3	1		

State of Missouri Department of Natural Resources National Pollutant Discharge Elimination System (NPDES) Discharge Monitoring Report (DMR)

Central Field Operations P O Box 176 Jefferson City, MO, 65102

Lecrtify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel property gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penulties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

eSignature Submission Date User Phone Number
Gary Hutchcraft March 7, 2024 (573)365-0455

State of Missouri Department of Natural Resources National Pollutant Discharge Elimination System (NPDES) Discharge Monitoring Report (DMR)

Permit Number	Outfall Number
MO0103241	001Q
Monitorh	ng Period
1/1/24	3/31/24
NODI:	治疟米米 壳

Parameters	R	eporting Requirem	ents	Unit	Reporting	Requirements	Unit
Oil and grease	<2.0	****	<2.0	mg/L	****	水牢木水守	****
Mon. Location.: End of Pipe	Daily Max.:15	*****	Monthly Avg.:10		*****	****	
Sample Type: Grab							
Frequency: Quarterly				~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	J. Comments of the Civilian		
Cadmium, total recoverable	<0.002	****	<0.002	ug/L	****	****	****
Mon. Location.; End of Pipe	Daily Max.:Monitoring Required	*********	Monthly Avg.:Monitoring Required		*****	本中都在原,常应在非水	
Sample Type: 24 Hour Composite							
Frequency: Quarterly							
Selenium (Se), total recoverable	<0.04	****	<0.04	ug/L	****	****	****
Mon. Location.: End of Pipe	Daily Max.:Monitoring Required	****	Monthly Avg.:Monitoring Required		在水水丸堆。彩水本水水	*****	
Sample Type: 24 Hour Composite						- Telegramical Control	
Frequency: Quarterly				<u> </u>			
Hardness, total (as CaCO3)	321	****	321	mg/L	******	****	***
Mon. Location.: End of Pipe	Daily Max.:Monitoring Required	*****	Monthly Avg.:Monitoring Required	The state of the s	*****	*****	
Sample Type: Grab							
Frequency; Quarterly	1					1	1

State of Missouri Department of Natural Resources National Pollutant Discharge Elimination System (NPDES) Discharge Monitoring Report (DMR)

Central Field Operations P O Box 176 Jefferson City, MO, 65102

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

eSignature Submission Date User Phone Number (573)365-0455

LAKE OZERKOSAGE BEACH WATP Operation Report

ne February 2024

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9	RGI	5,117	0.673	0.796	175	265	240	120	278	213	¥				;	81 13		,-			424	650	120	7.43	1.8	5,970	860	134	7.07	1,9	95	<u>ز ا</u>	0.5	1.01		3		182	12.		 			-+			1.0			-	
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14	RG)	0.123	0.635	0,75%					<u> </u>		14	4				<u> </u>		<u>-</u>			(40)	760	134	7,01	1.8	5,770	200	139	7 05	1.9	1,0	1,0	51.5	**				10,6	11.						-		8,7	-		120000	_22
15 5	K:JFJ	0.126	0.60	0.769					<u> </u>			+	-			95 13		-	-		090	6.50	126	7,06	2.0	6,610	*10	136	7 93	1.8	0,5	2.0	0.0	0.96	se <mark>) 7.56</mark>	1,7	المالية المالية	OF REAL PROPERTY.	10.							}-	- 1.1				
16	R9F1	D. 1 DE	0,650	0.758	262	الا	378	148	350	32	2	+					-1-	K .) 5		910	710	-		2,7	6,080	550	140	7.25	2.4	9.5	0.5	0.0		99 800			10.8	7.			-				<u>i</u>			990		
17	HII	0.123	8.709	0.832					<u> </u>	 -						بند		-	,,,,		090	T66		7.29	33	5,980	880	147	7 26	2.3	0.5	95	o t	1,15	7.78	8	1	10.91	- K.					-+		+	1.0		165		
18	3F91	0.157	0.785	9.953			_		ļ	ļ	 	- }				34 5		4			050	756			3.0	5,834	860	1-15	7.17	2.1	7.45	2.8	a.	1.08	20	•		11,0	9,	-							0.9		-	-t	-
19	JFH	0.159	0.717	0.83D					<u> </u>	<u> </u>	ļ					0/2 LC		-			163	7.43		7.20	22	5,620	810	144	7,20	2.1	1.5	0.1	0.0	1,63	38 7.76	7	1	10.8		-							1.0			-	
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22	nat :	0.106	0.636	0.712					ــــــــــــــــــــــــــــــــــــــ							97 13	-	<u>-</u>	9		600	779		7 35	E 9	5.930	850		7.05	2.3	2.6	1.5	9.0	t 02	21 7.91	1.8	1.6	10.0	13.		<u> </u>			\rightarrow			- 0.8		_;_	45,030	
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Use following abbrariations & rain, S-source, O-overcost, U-clear, PC-querty slowly			
Prepared by MR. IFEE GR	Appeared by GII	Pate 3/s/2024	