

**OSAGE BEACH / LAKE OZARK
JOINT SEWER BOARD MEETING
AGENDA
July 16th, 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: June 18th, 2024

2

5. REPORTS

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Income & Expense Summary	12

6. ALLIANCE REPORT OF OPERATIONS

13-33

7. APPROVAL OF FLOW CHARTS

8. OLD BUSINESS

A. Board update.

9. NEW BUSINESS

10. ADDITIONAL DISCUSSION ITEMS

11. ADJOURNMENT

LAKE OZARK-OSAGE BEACH JOINT SEWER BOARD

Meeting Minutes – June 18th, 2024

CALL TO ORDER:

Mayor Harmison called the meeting to order at 4:00 pm on Tuesday, June 18th, 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 - Absent
 Alderman, Kevin Rucker- Present
 Alderman, Pat Thompson- Present
 Public Works Director, Matt Michalik – Present
 Resident Member, Mr. Gary Hamner – Present
 Public Works Manager, Zachary Wilber - Present

MINUTES:

Alderman, Alderman, Kevin Rucker, motioned to approve the meeting minutes from May 21st, 2024. The motion was seconded by Alderman, Pat Thompson 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, Harrison Fry and passed unanimously.

ALLIANCE REPORT OF OPERATIONS:

Alliance Report of Operations: The average daily incoming flow for May was 1.233 mgd. We had 7.4 inches of precipitation measured at the WWTP for May.

Operationally, the plant's discharge was excellent, with an effluent monthly average BOD of 1.8 mg/l and TSS of 2.1 mg/l respectively for May which represents a 99.2 + % or better removal.

JOINT SEWER BOARD
BILL LIST
JULY 16, 2024

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:	\$	125.29
OPERATING FUND BILLS TO BE PAID:	\$	57,384.61
EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:	\$	-
EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:	\$	188,500.00

TOTAL \$ 246,009.90

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:

Account	Paid To:	Description:	Amount:
4176	Allied Services	July	\$ 82.54
4176	AT&T	June	\$ 42.75

TOTAL \$ 125.29

OPERATING FUND BILLS TO BE PAID:

Account	Paid To:	Description:	Amount:
4000	Equipment Replacement Fund	Payment into ER Fund	\$ 8,760.00
4020	Alphagraphics	Invoices	\$ 148.00
4020	Heartland Environmental	Bacteria for Ditches	\$ 1,520.00
4020	M/C QuickBooks	Accounting Software	\$ 30.00
4020	Menards	69036 WD-40 & Brushes	\$ 34.44
4020	O'Reilly Auto	V-Belt for RAS Bldg	\$ 14.06
4020	Pace Analytical	Test for Permit Renewal	\$ 2,058.60
4020	Woodley Building Main.	Janitorial - July	\$ 330.00
4020	TRS Small Engine	Lawn mower service	\$ 321.68
4150	O'Reilly Auto	Oil & Filters	\$ 354.47
4150	O'Reilly Auto	Oil for Sludge Trk	\$ 139.96
4170	Alliance Water Resources Inc	June	\$ 30,321.00
4175	Ameren MO	11673321	\$ 13,181.11
4175	Ameren MO	98041275	\$ 181.29
			\$ -

TOTAL \$ 57,384.61

EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:

Account	Paid To:	Description:	Amount:
4000			\$ -

TOTAL \$ -

EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:

Account	Paid To:	Description:	Amount:
4000	JCI Industries	Replacement RAS Pumps	\$ 188,500.00

TOTAL \$ 188,500.00



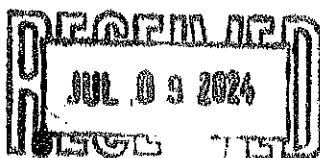
INVOICE

Pace Analytical Services, LLC 41-1821817
Pace Analytical National 82-0814289

Pace Analytical Services, LLC
8808 Laird Blvd.
Lenexa, KS 66219
Phone: (913)869-6665

Sold To:

Joint Sewer Board
C/O Alliance Water Resources
PO Box 1985
Lake Ozark, MO 65049



Date:	07/09/2024
Invoice #:	2480209413
Customer PO#:	
Terms:	Net 30
Due Date:	08/08/2024
Total Due:	\$2,058.60

Please Remit To:

Pace Analytical Services, LLC
P.O. Box 684056
Chicago, IL 60695-4056

Client Number/Client ID	Purchase Order No.	Pace Project Manager	Terms	Pages
60-632417 / Joint Sewer		Ryan N. Brumfield	Net 30	1

Client Project: CHRONIC WET TEST
Pace Project No: 60465645
Report Sent To: Gary Hutchcraft, Alliance Water Resources
Comments:

Client Name: Joint Sewer Board, Alliance Water Resources
Sample Received: 6/25/2024

ANALYTICAL CHARGES

Quantity	Unit	Description	Method	Matrix	Price	Total
1	Ea	200.8 ICPMS Metals	EPA 200.8	Water	\$29.70	\$29.70
1	Ea	350.1 Ammonia	EPA 350.1	Water	\$0.00	\$0.00
1	Ea	Chronic Toxicity	EPA 821/R-02/013	Water	\$1,702.90	\$1,702.90
1	Ea	Environmental Impact Fee	Miscellaneous Charges	Water	\$30.00	\$30.00
1	Ea	Logistical Surcharge Courier	Miscellaneous Charges	Water	\$222.00	\$222.00
2	Ea	Sample Disposal	Miscellaneous Charges	Water	\$7.00	\$14.00
Analytical Subtotal						\$2,058.60

CHRONIC WET TEST
FOR THE PERMIT RENEWAL

Total Number of Charges 7

Total Invoice Amount \$2,058.60

If paying by credit card, a 2.5% surcharge of \$51.47 will be assessed, PAY \$2,110.07

GL Acct#: 4020

If you have any questions, please contact Ryan N. Brumfield at Pace.
Phone: (913)869-6665 Email: ryan.brumfield@pacelabs.com

Signature: Gary Hutchcraft

Date: 7/9/24

A 2.5% CREDIT CARD SURCHARGE OF \$51.47 MAY BE ADDED TO ANY CREDIT CARD PAYMENT. DEBIT AND ACH/E-CHECKS INCUR NO ADDITIONAL FEES.

**1.5% MONTHLY FINANCE CHARGE ASSESSED AFTER 30 DAYS OR TERMS OF CONTRACT.
PLEASE REFERENCE THE INVOICE NUMBER ON ALL REMITTANCE ADVICE.

AN EQUAL OPPORTUNITY EMPLOYER

Please complete and return copy of invoice with your payment.

INVOICE TOTAL \$2,058.60

Amount Paid: \$

Check No:

Customer No: 60-632417 Invoice No: 2480209413



- Pay by phone: 1.866.288.3729
- Pay by mail: PO Box 88068, Chicago, IL 60680-1068
- Pay online or manage your account: AmerenMissouri.com
- Customer Service: 1.877.426.3730

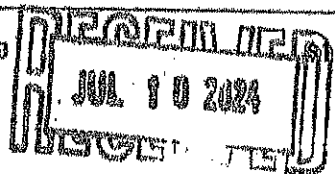
FOCUSED ENERGY. For life.

Account Number 4580005832
Customer Name ALLIANCE WATER RESOURCES INC
Service Address 3 ANDERSON RD.,
LAKE OZARK, MO 65049

Current Detail for Statement 07/10/2024

Total Electric Charges \$13,181.11

Total Amount Due \$13,181.11



AMOUNT DUE \$13,181.11

Due Date 07/31/2024

Amount After Due Date \$13,312.92

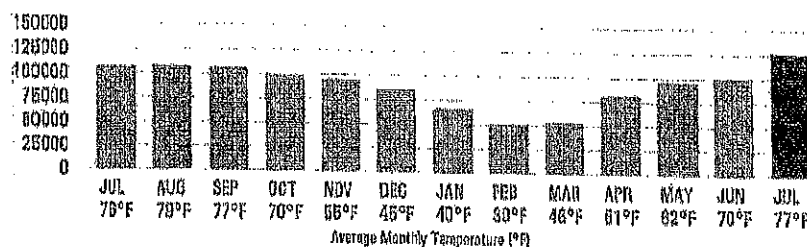
Previous Statement \$7,435.21

Total Payments \$7,435.21

Payment Received: Thank You

Electric Usage History

Electric Usage in Kilowatt Hours (kWh)



Electric Usage Summary (kWh)

So far this year your electric energy usage is about the same as the same time period last year.

2023	670,720 kWh
2024	671,200 kWh

13073
02278 2250541 004458005832 00013181110 00013181110

Electric Service Details

Service from 06/05/2024 - 07/08/2024 (33 days)

Electric Meter Read

METER NUMBER	SERVICE FROM - TO	NO. DAYS	USAGE TYPE	READING TYPE	CURRENT READING	PREVIOUS READING	READING DIFFERENCE	MULTIPLIER	USAGE
11873921	06/05 - 06/12	7	Total kWh	Actual	88618.0000	88376.0000	144.0000	100.0000	23040.0000
06703200	06/05 - 06/12	7	Total kWh	Actual	147.0000	0.0000	147.0000	100.0000	239.2000
06703200	06/12 - 07/08	28	Total kWh	Actual	647.0000	0.0000	647.0000	100.0000	105620.0000

See next page for service details.

Keep this portion for your records.

GL Acct#: H175

Signature: [Signature]

Date: 7/10/24

Please return this portion with your payment.



☐ Check if you have address changes on back.

Amount Due	Due Date
\$13,181.11	July 31, 2024
Delinquent Amount After Due Date	Account Number
\$13,312.92	4580005832

Amount Enclosed \$

>002278 2270741 0001 072139 102

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

AMEREN MISSOURI
PO BOX 88068
CHICAGO IL 60680-1068

00600000 004580005832 000013181110 000013181110



- Pay by phone: 1.888.268.3720
- Pay by mail: PO Box 88058, Chicago, IL 60680-1088
- Pay online or manage your account: AmerenMissouri.com
- Customer Service: 1.877.426.3736

FOCUSED ENERGY. For life.

Electric Service Details (Continued)

METER NUMBER	SERVICE FROM - TO	NO. DAYS	USAGE TYPE	READING TYPE	CURRENT READING	PREVIOUS READING	READING DIFFERENCE	MULTIPLIER	USAGE
00783286	08/12 - 07/08	26	On Peak kWh	Actual	220,0000	0.0000	220,0000	100.0000	36200.0000
66782209	08/12 - 07/08	26	Off Peak kW	Actual	1,4700	0.0000	1,4700	100.0000	238.1000
05783299	08/12 - 07/08	26	On Peak kWh	Actual	1,4100	0.0000	1,4100	100.0000	228.6000

Usage Summary

Total kWh	126660.0000	Summer kWh	126660.0000
Peak kW	238.2000	Billing Demand	238.2000
Total Billing Demand	238.2000	October Winter Base kW	178.8000
Winter Base Demand	178.8000	Base kWh Ratio	0.7561
Base kWh (HUD)	0.0000	Seasonal kWh (HUD)	0.0000

Rate 3M Large General Service

DESCRIPTION	USAGE	UNIT		RATE	CHARGE
Seasonal Energy Charge	0.00	kWh	@	\$ 0.04080000	\$0.00
Summer Demand Charge	238.20	kW	@	\$ 0.19000000	\$1,462.09
Energy Charge/Hours Used	35,430.00	kWh	@	\$ 0.11120000	\$3,939.82
Energy Charge/Hours Used	47,240.00	kWh	@	\$ 0.09300000	\$2,949.28
Energy Charge/Hours Used	43,800.00	kWh	@	\$ 0.06830000	\$2,471.01
Customer Charge					\$110.55
Fuel Adjustment Charge	126,560.00	kWh	@	\$ 0.00400000	\$506.24
Energy Efficiency Investment Charge	126,560.00	kWh	@	\$ 0.00382400	\$483.97
Renewable Energy Adjustment	126,560.00	kWh	@	\$ 0.00204000	\$258.18
Total Service Amount					\$13,181.11
Total Electric Charges					\$13,181.11

Questions? Contact Ameren Missouri at 1.877.426.3736 or visit AmerenMissouri.com.

Page 2 of 4

Address Changes or Corrections

Name _____
 Address _____
 City, State, Zip _____
 Phone Number _____

AmerenMissouri.com/WaysToPay



ONLINE
E-CHECK



PHONE
888.268.3720



IN PERSON
FIND A PAY STATION AT
AMERENMISSOURI.COM/PAYSTATION



ONLINE
CREDIT CARD



MAIL
STUB & CHECK



- Pay by phone: 1.866.288.3720
- Pay by mail: PO Box 88088, Chicago, IL 60680-1088
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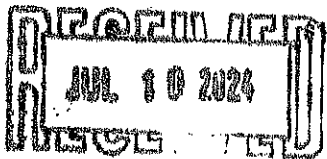
FOCUSED ENERGY. For life.

Account Number 5580005920
Customer Name ALLIANCE WATER RESOURCES INC
Service Address 3 ANDERSON RD
LAKE OZARK, MO 65048

Current Total for Statement 07/10/2024

Total Electric Charges \$181.29

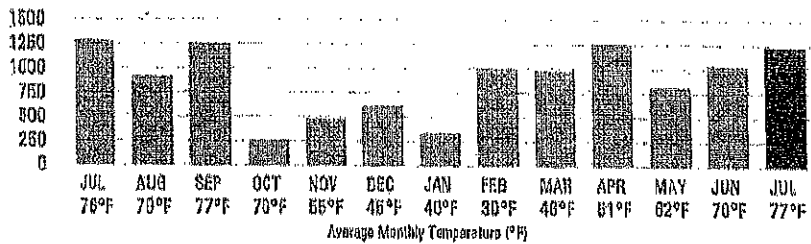
Total Amount Due \$181.29



AMOUNT DUE	\$181.29
Due Date	07/31/2024
Amount After Due Date	\$183.10
Previous Statement	\$128.25
Total Payments	\$128.25
Payment Received: Thank You	

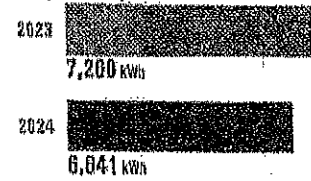
Electric Usage History

Electric Usage in Kilowatt Hours (kWh)



Electric Usage Summary (kWh)

So far this year you're using 8.5% less than the same time period last year.



Keeping You Informed.

Update your account information so we can contact you when crews are working in your neighborhood. Fill out the slip and mail it in or update your online account. Don't have an online account? Sign up today at AmerenMissouri.com.

GL Acct#: 4175
Signature: [Signature]
Date: 7/10/24

See next page for service details.

Keep this portion for your records.

Page 1 of 4



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Please return this portion with your payment.

Amount Due	Due Date
\$181.29	July 31, 2024
Delinquent Amount After Due Date	Account Number
\$183.10	5580005920

Amount Enclosed \$

0002272 2290741 0009 052139 10Z

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

AMEREN MISSOURI
PO BOX 88088
CHICAGO IL 60680-1088

70633000 0055800059200 000000181290 000000181290



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- Pay online or manage your account: AmerenMissouri.com
- Customer Service: 1.877.420.3736

FOCUSED ENERGY. For life.

Electric Service Details Service from 08/08/2023 - 07/08/2024 (33 days)

Electric Meter Read

METER NUMBER	SERVICE FROM - TO	NO. DAYS	USAGE TYPE	READING TYPE	CURRENT READING	PREVIOUS READING	READING DIFFERENCE	MULTIPLIER	USAGE
70843410	08/08 - 07/08	33	Total kWh	Actual	8341.0000	6119.0000	1222.0000	1.0000	1222.0000
70843410	08/08 - 07/08	33	Peak kW	Actual	0.0000	0.0000	0.0000	1.0000	0.0000

Usage Summary

Total kWh	1222.0000	Summer kWh	1222.0000
Winter Base kWh	1000.0000	Current Base kWh	1000.0000
Summer Cur Base kWh	1000.0000	Seasonal kWh	222.0000
Summer Seasonal kWh	222.0000		

Rate 2M Sm Gen Svc - 3 Ph w/Dmd

Threshold - Peak Demand

DESCRIPTION	USAGE	UNIT	RATE	CHARGE
Summer Total Energy Charge	1,222.00	kWh	@ \$ 0.11970000	\$146.27
Seasonal Energy Charge	0.00	kWh	@ \$ 0.05180000	\$0.00
Customer Charge				\$23.07
Fuel Adjustment Charge	1,222.00	kWh	@ \$ 0.00400000	\$4.89
Energy Efficiency Investment Charge	1,222.00	kWh	@ \$ 0.00379800	\$4.67
Renewable Energy Adjustment	1,222.00	kWh	@ \$ 0.00204000	\$2.49
Total Service Amount				\$181.29
Total Electric Charges				\$181.29

Payments Since Previous Statement

DATE RECEIVED	AMOUNT
June 25, 2024	\$120.25

Questions? Contact Ameren Missouri at 1.877.420.3736 or visit AmerenMissouri.com.

Page 2 of 4

Address Changes or Corrections

Name _____
 Address _____
 City, State, Zip _____
 Phone Number _____

AmerenMissouri.com/WaysToPay



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E-CHECK



PHONE
866.268.3720



IN PERSON
FIND A PAY STATION AT
AMERENMISSOURI.COM/
PAYSTATION



ONLINE
CREDIT CARD



MAIL
STUB & CHECK

Remit To:

JCI Industries, Inc.
PO Box 411114
Kansas City, MO 64141
816-525-3320



INVOICE

INVOICE	
8269756	
Invoice Date	Page
06/28/2024	1 of 1
ORDER NUMBER	
1239847	

Branch 06

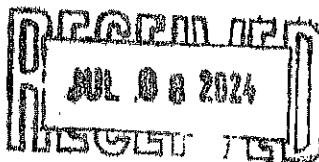
JEFFERSON CITY

Bill To:

LAKE OZARK/OSAGE BEACH JOINT SEWER BOARD
PO BOX 1985
LAKE OZARK, MO 65049

Ship To:

ALLIANCE WATER RESOURCES
#3 ANDERSON ROAD
LAKE OZARK, MO 65049



Customer ID: 400263

PO Number				Term Description				Net Due Date			
VERBAL GARY HUTCHCRAFT-2				Net 30				7/28/2024			
Order Date		Pick Ticket No		Primary Salesrep Name				Order Taker			
1/31/2024 15:46:57		3257149		Ben Reinkemeyer JL				JBURRI			
Quantities					Item ID			Pricing			
					Item Description			UOM		Unit Price	
Ordered		Shipped	Remaining	UOM	Unit Size	Disp	Unit Size		Extended Price		
1.00		1.00	0.00	EA			EA		188,500.00		
					FS R&R RAS PUMPS 013124					188,500.00	

Total Lines: 1

REPLACEMENT RAS PUMPS

GL Acct#: 4000

SUB-TOTAL: 188,500.00

TAX: 0.00

Signature: Gary Hutchcraft

AMOUNT DUE: 188,500.00

Date: 7/8/24

Carrier: BESTWAY

Tracking #:

Merchandise cannot be returned without permission. Claims for shortages or errors must be made in writing within thirty (30) days after receipt of goods. All approved returns must include a JCI return authorization number and may be subject to a restocking fee up to 25%.

Please Note: Effective 9/18/2023 our accounting@jclind.com email has changed. Please use: jciaccounting@otcindustrial.com

JCI Industries, Inc. acceptance of buyer's order is conditioned upon buyer's assent to the terms and conditions set forth on <http://www.jclind.com/tandc>. Any additional or contrary terms are hereby rejected.

ORIGINAL

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

6/30/2024

Account Number	Account Name	2022 Actual	2023 Actual	2024 Budget	2024 Actual as of 6/30/2024	2024 June Revenue	Percent YTD
3020	Osage Beach	460,708.70	491,201.99	512,148.00	251,532.59	42,688.33	49%
3010	Lake Ozark	91,794.26	87,143.84	97,552.00	48,475.75	8,120.00	50%
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	6,312.72	22.73	126%
3060	Waste Haulers' Fee	49,490.00	63,160.00	57,000.00	28,375.00	8,750.00	50%
Total Operating Fund		605,550.23	647,261.98	671,700.00	334,696.06	59,581.06	50%
E/R Fund Income		3,588.63	15,192.01	12,000.00	10,628.06	561.53	89%
TOTAL INCOME		609,138.86	662,453.99	683,700.00	345,324.12	60,142.59	51%

**MONTH-TO-DATE AND YEAR-TO-DATE
EXPENDITURE/BUDGET ANALYSIS
6/30/2024**

Account Number	Account Name	2022 Actual	2023 Actual	2024 Budget	2024 Actual as of 6/30/2024	2024 June Expenses	Percent YTD
4000	Equipment Replace Fund	55,008.00	60,000.00	100,000.00	47,500.00	8,750.00	48%
4020	*Maintenance & Repair	60,030.11	84,665.12	64,000.00	59,734.67	847.20	93%
4140	Insurance	22,088.00	22,791.00	26,210.00	27,213.00	186.00	104%
4150	Vehicle Repair/Main	5,999.58	3,255.47	9,000.00	1,338.11	498.29	15%
4170	Contract Management	331,080.00	353,592.00	374,808.00	181,926.00	30,321.00	49%
4175	Electric	79,890.16	88,547.80	87,000.00	32,157.82	7,563.46	37%
4176	Utilities Misc.	3,694.18	4,579.70	4,700.00	1,853.53	116.21	39%
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	2,900.00	0.00	100%
4240	Capital Purchases	0.00	0.00	0.00	0.00	0.00	0%
	Totals	678,450.37	620,234.09	668,618.00	354,623.13	48,282.16	53%
	**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	354,993.11	48,282.16	41%

4020 DETAIL: Equip & Bldg. Repair/Main.

Regular Maintenance	20,000
UV Bulbs, Quartz Sleeves, Misc	11,000
Painting RAS basement piping &	30,000 x
Rock for road	3,000
	64,000.00

DETAIL: Equipment & Replacement

Replace RAS Pumps & Check Valves	195,000
	195,000.00

OPERATING FUND INCOME AND EXPENSE SUMMARY
6/30/2024

Beginning Balance	339,944.95
Income - Osage Beach	42,688.33
Income - Lake Ozark	8,120.00
Income - Other	-
Income - Waste Haulers' Fees	8,750.00
Interest - Checking	22.73
Income - CD Interest	-
Transfers From E/R Fund	-
Transfers To E/R Fund	(8,750.00)
Expenses	(39,532.16)
Ending Fund Balance	351,243.85
Central Bank - NOW Acct.	117,731.91
	-
CD First Bank of the Lake, 2/20/25 #8432	113,608.14
CD First Bank of the Lake, 1/22/25 #8433	120,421.66
	-
Outstanding Checks:	(517.86)
	351,243.85

EQUIPMENT REPLACEMENT FUND INCOME AND EXPENSE SUMMARY
6/30/2024

Beginning Balance	532,805.19
Interest - Checking	561.53
Income - CD Interest	-
Transfers From Operating Fund	8,750.00
Income - Miscellaneous	-
Expenses	-
Ending Fund Balance	542,116.72
First Bank of the Lake - Money Mkt.	234,534.43
CD First Bank of the Lake, 4/30/25 #8430	117,582.29
CD First Bank of the Lake, 8/07/25 #8434	190,000.00
	-
	-
Outstanding Checks:	-
	542,116.72



OUR MISSION

We partner with communities to deliver the finest water and wastewater services available at a competitive price. We are committed to keeping water safe and clean while serving people and taking care of communities with improved technical operations, careful management and financial oversight, and ensured regulatory compliance.

Alliance Water Resources, Inc.

206 S. Keene
St.
Columbia, MO
65201

(573)874-8080

REPORT OF OPERATIONS

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

Month of June 2024

Submitted by Alliance Water Resources, Inc. for the

July 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	pH	E.coli Colonies/100 ml	Coliform	Ammonia as N mg/L	O&G mg/L
Monthly/Quarterly Avg	1.6	1.8	N/A	10.0		0.38	< 2.0
Peak Day	1.8	1.9	8.1	< 20.0		1.0	< 2.0
Percent Removal	99.3	99.2	N/A	N/A		N/A	N/A

NPDES EFFLUENT LIMITATIONS

	BOD mg/l	TSS mg/l	pH	E.coli Colonies/100 ml	Coliform	Ammonia as N mg/L	O&G mg/L
Monthly/Quarterly Avg	30	30	6-9	126		1.7	10
Weekly Average	45	45		630			
Daily Max				N/A		12.1	15

PLANT HYDRAULIC AND ORGANIC LOADING

The average daily influent flow for the month was 1.410 MGD or 47% of Permitted flow with Lake Ozark contributing 14% of the total flow and Osage Beach contributing 86%. 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 75690 pounds of BOD.

BIOSOLIDS APPLICATION AND INVENTORY

Plant personnel land applied 50 tanker loads of bio-solids during the month equivalent to a total of 180,000 gallons and 53,413 pounds dry weight solids.

189,422 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 607,500 gallons with a level of 7.0 feet in Tank 1 and 6.5 feet in Tank 2.

WASTEHAULERS

The plant received 78 loads of septage during the month totaling 175,000 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.
- Lumix Electric came in on the 3rd of June to wire up the first of the new RAS pumps. They came back on the 4th with JCI to do the startup but had problems with the programming of the VFD. They had to call the factory tech support and came back on the 5th to finish and got it online.
- Larry Roemer came in and worked on the sludge truck PTO pump shaft that was leaking on the 5th of June. We had to get a seal and oil, so he came back on the 6th and got it back going.
- JCI came in on the 11th of June and installed the second of the new RAS pumps and Lumix Electric came in on the 12th and wired it up and got it online that afternoon.
- We had a flat on the sludge truck on the 13th of June and Clark tire came in and fixed it.
- JCI came in on the 19th of June to install the last of the new RAS pumps and Lumix Electric was also here and got it on going that afternoon.
- We called in a Tech from the Ray Lindsey Group to assist us with troubleshooting the Pista Grit system problem. He came in on the 19th of June and had it back online that afternoon.
- The AC unit in the Headworks building started freezing up on the 24th of June. Controlled Heating and Cooling came in and looked at it and thought they had it fixed, then it froze up again on the 25th. They came back this time and checked the freon, filled it up and we haven't had a problem with it since.

SAFETY

- We started a new monthly Safety Meeting process to where the employee is assigned a safety meeting topic through our AWR UKG Learning site which is due by the 15th of each month. This month's topic was Work Zone & Flagger Safety and Driving at Night Hazards.

REGULATORY AGENCY, INSPECTION AND REPORT

- We filled out the new EDMR on the EPA MoGEM website on the 9th of July.
- We took & shipped our Permit required Chronic WET test the week of June 24th through the 28th and received the results on the 9th of July. We passed with a 100% survival rate with both test species.

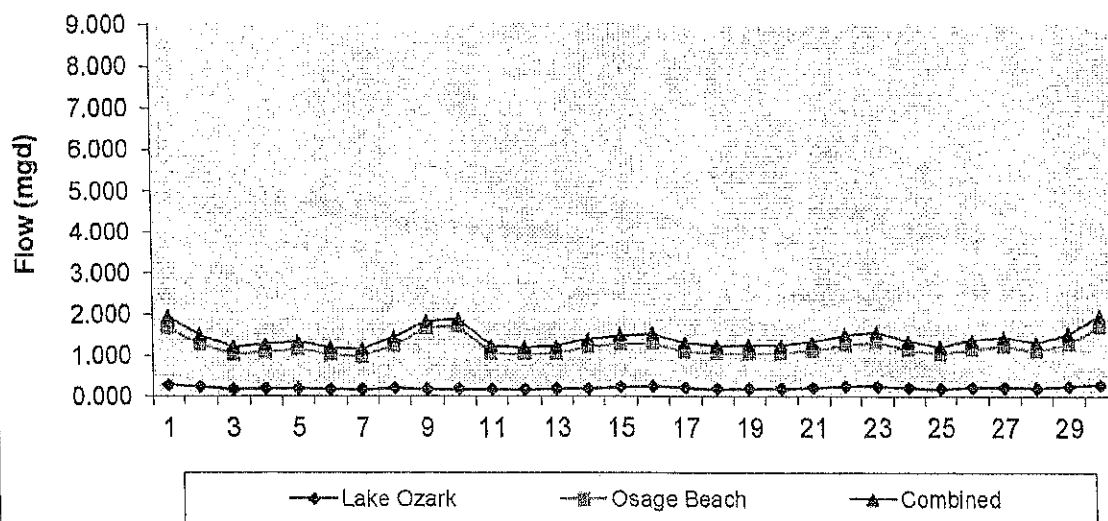
MISCELLANEOUS AND RECOMMENDATIONS

-

MONTH OF June 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-Jun	0.3	0.281	1.671	1.952	14.4	85.6						
2-Jun	0	0.231	1.273	1.504	15.4	84.6						
3-Jun	0.0	0.174	1.022	1.196	14.5	85.5						
4-Jun	0.5	0.183	1.078	1.261	14.5	85.5						
5-Jun	0.4	0.186	1.145	1.331	14.0	86.0						
6-Jun	0.0	0.170	1.014	1.184	14.4	85.6						
7-Jun	0.0	0.163	0.975	1.138	14.3	85.7	213	195	170	138	116	158
8-Jun	1	0.201	1.245	1.446	13.9	86.1						
9-Jun	0.8	0.171	1.664	1.835	9.3	90.7						
10-Jun	0	0.180	1.701	1.881	9.6	90.4						
11-Jun	0	0.173	1.053	1.226	14.1	85.9						
12-Jun	0	0.161	1.026	1.187	13.6	86.4						
13-Jun	0	0.183	1.041	1.224	15.0	85.0						
14-Jun	0.3	0.188	1.204	1.392	13.5	86.5	340	210	210	284	142	234
15-Jun	0.0	0.220	1.269	1.489	14.8	85.2						
16-Jun	0	0.240	1.288	1.528	15.7	84.3						
17-Jun	0	0.210	1.086	1.296	16.2	83.8						
18-Jun	0	0.179	1.048	1.227	14.6	85.4						
19-Jun	0	0.186	1.053	1.239	15.0	85.0						
20-Jun	0	0.188	1.048	1.236	15.2	84.8						
21-Jun	0	0.208	1.112	1.320	15.8	84.2	258	188	248	226	146	304
22-Jun	0	0.246	1.257	1.503	16.4	83.6						
23-Jun	0	0.253	1.311	1.564	16.2	83.8						
24-Jun	0	0.205	1.137	1.342	15.3	84.7						
25-Jun	0	0.180	1.019	1.199	15.0	85.0						
26-Jun	0.9	0.214	1.148	1.362	15.7	84.3	385	253	230	262	300	234
27-Jun	0.0	0.214	1.221	1.435	14.9	85.1						
28-Jun	0	0.200	1.099	1.299	15.4	84.6						
29-Jun	0	0.243	1.286	1.529	15.9	84.1						
30-Jun	1	0.286	1.699	1.985	14.4	85.6						
SUM	4.8	6.117	36.193	42.310								
AVG		0.204	1.206	1.410	14	86	299	212	215	228	176	233
NOTE: BOLD PRINT INDICATES WEEKEND DAYS												

Daily Flow
Figure 1



Effect of Rainfall on Flow
Figure 2

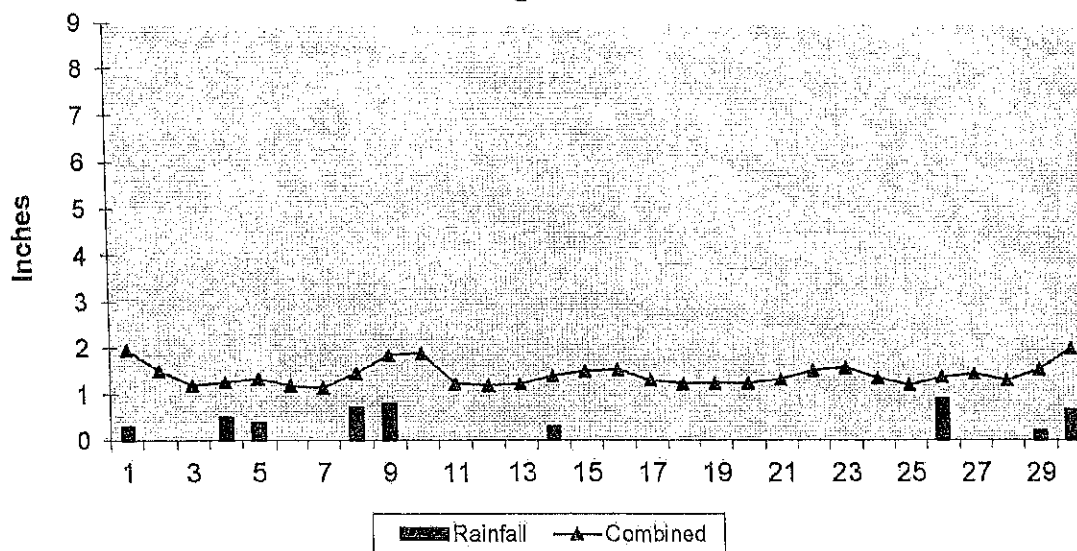


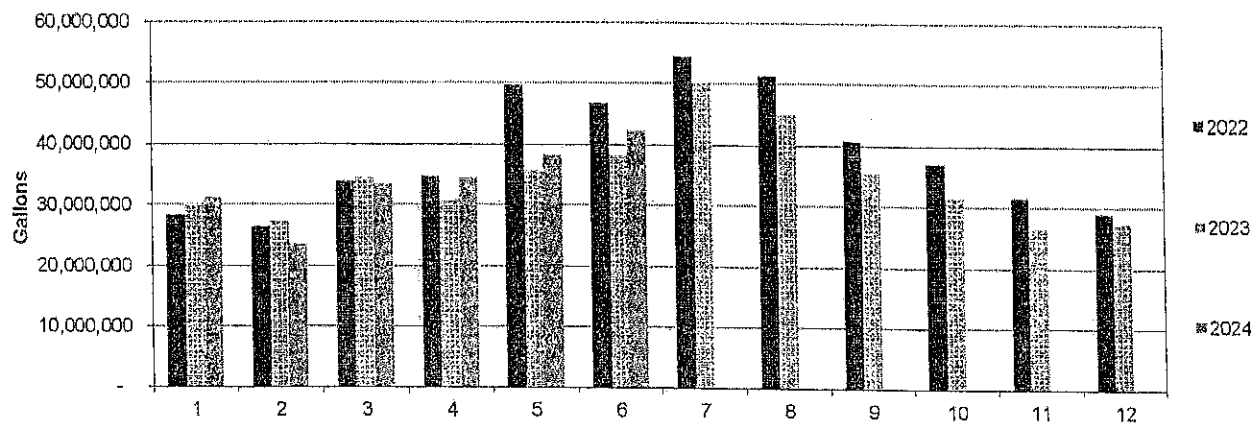
TABLE B
JOINT SEWER BOARD
Monthly Flows

2022	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	1.7	23,599,000	83%	4,824,000	17%	28,423,000	100%
February	3.8	21,853,000	83%	4,610,000	17%	26,463,000	100%
March	5.2	28,266,000	83%	5,657,000	17%	33,923,000	100%
April	6.3	28,580,000	82%	6,088,000	18%	34,668,000	100%
May	9.1	41,076,000	83%	8,597,000	17%	49,673,000	100%
June	3.3	39,125,000	84%	7,563,000	16%	46,688,000	100%
July	2.6	45,728,000	84%	8,591,000	16%	54,319,000	100%
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%	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%

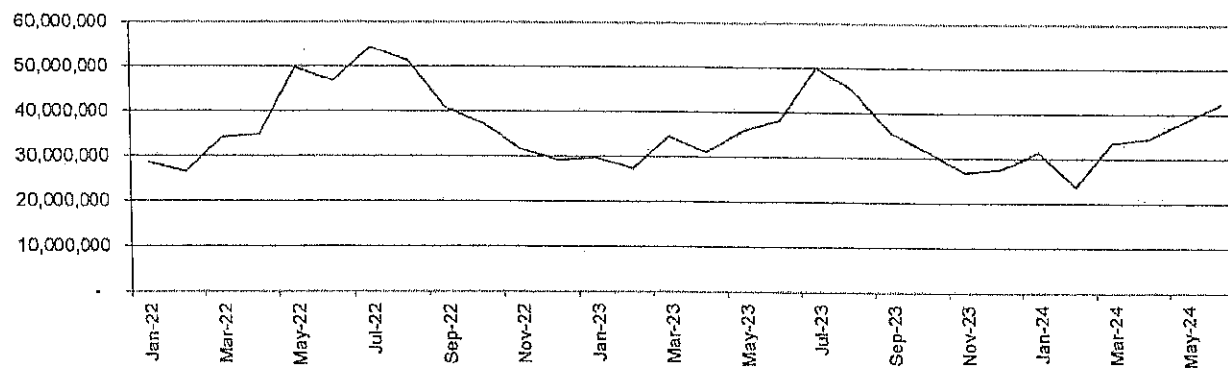
2023	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	2.8	25,972,000	87%	3,812,000	13%	29,784,000	100%
February	3.9	23,448,000	86%	3,820,000	14%	27,268,000	100%
March	6.2	29,920,000	87%	4,559,000	13%	34,479,000	100%
April	1.3	26,903,000	87%	4,085,000	13%	30,988,000	100%
May	2.1	29,783,000	83%	5,950,000	17%	35,733,000	100%
June	0.9	32,155,000	84%	6,040,000	16%	38,195,000	100%
July	7.1	42,263,000	85%	7,678,000	15%	49,941,000	100%
August	8.3	37,375,000	83%	7,664,000	17%	45,039,000	100%
September	2.5	29,574,000	83%	5,917,000	17%	35,491,000	100%
October	3.2	26,468,000	84%	5,067,000	16%	31,535,000	100%
November	1.0	22,375,000	84%	4,282,000	16%	26,657,000	100%
December	3.4	23,026,000	84%	4,445,000	16%	27,471,000	100%
	42.7	349,262,000	85%	63,319,000	15%	412,581,000	100%

2024	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	4.8	26,487,000	85%	4,806,000	15%	31,293,000	100%
February	1.1	20,148,000	85%	3,491,000	15%	23,639,000	100%
March	5.1	27,206,000	81%	6,214,000	19%	33,420,000	100%
April	7.3	28,925,000	84%	5,502,000	16%	34,427,000	100%
May	7.4	31,860,000	83%	6,377,000	17%	38,237,000	100%
June	4.8	36,193,000	86%	6,117,000	14%	42,310,000	100%
July							
August							
September							
October							
November							
December							
	30.5	170,819,000	84%	32,507,000	16%	203,326,000	100%

Monthly Influent Flow
Figure 3A

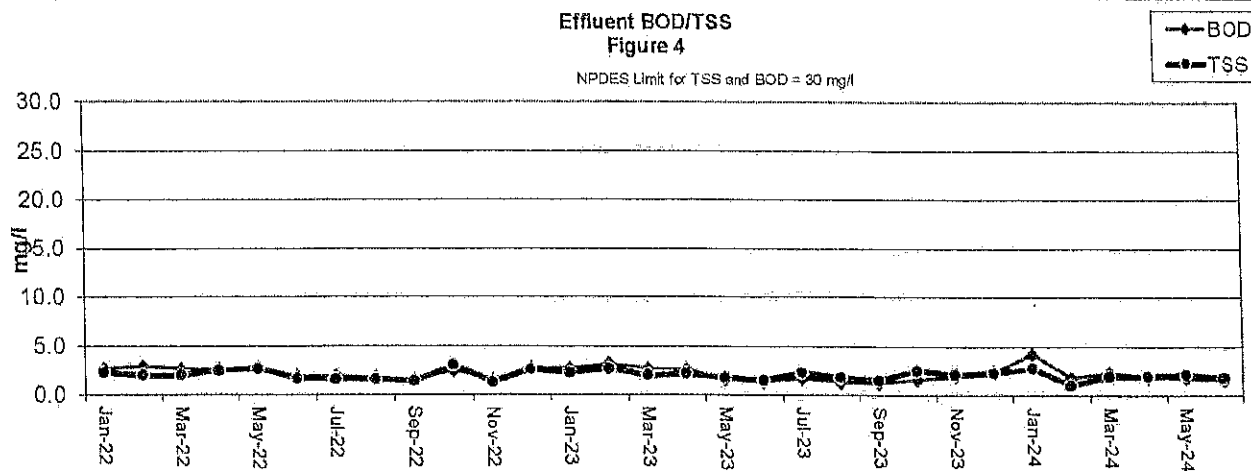


Monthly Influent Flow
Figure 3B



Effluent BOD/TSS
Figure 4

NPDES Limit for TSS and BOD = 30 mg/l

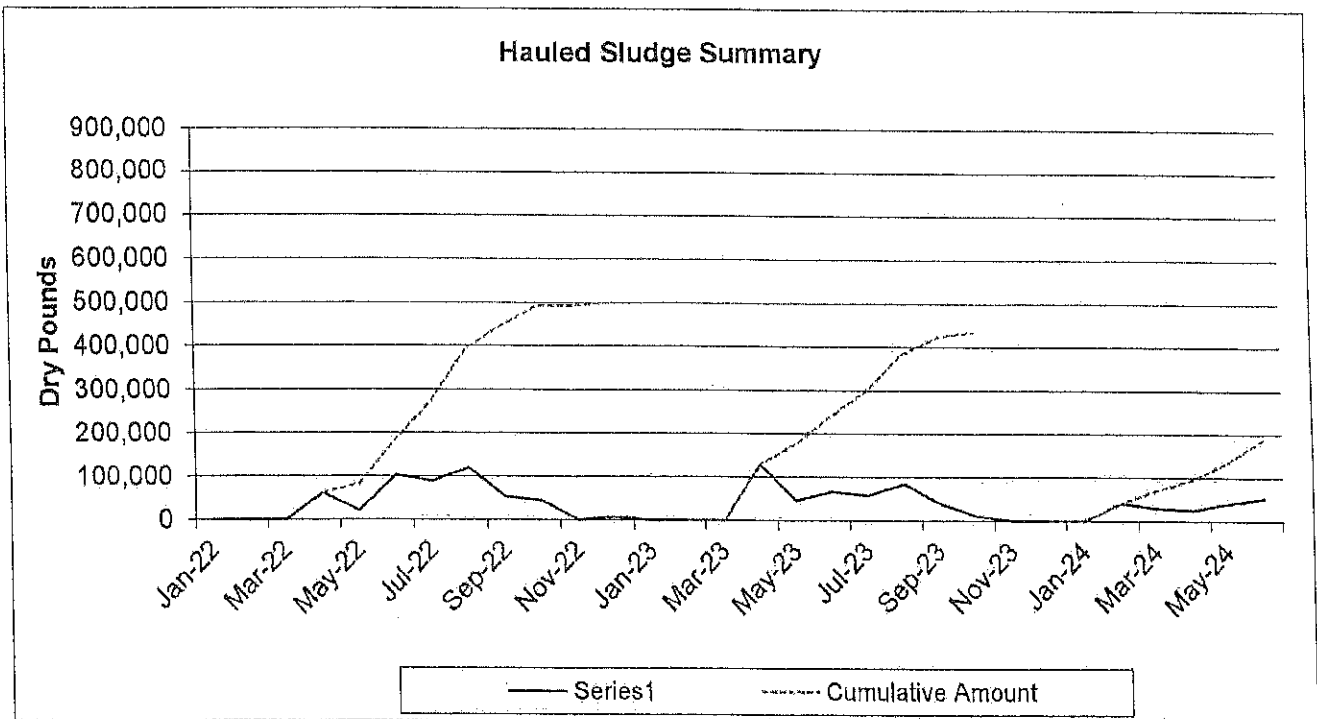
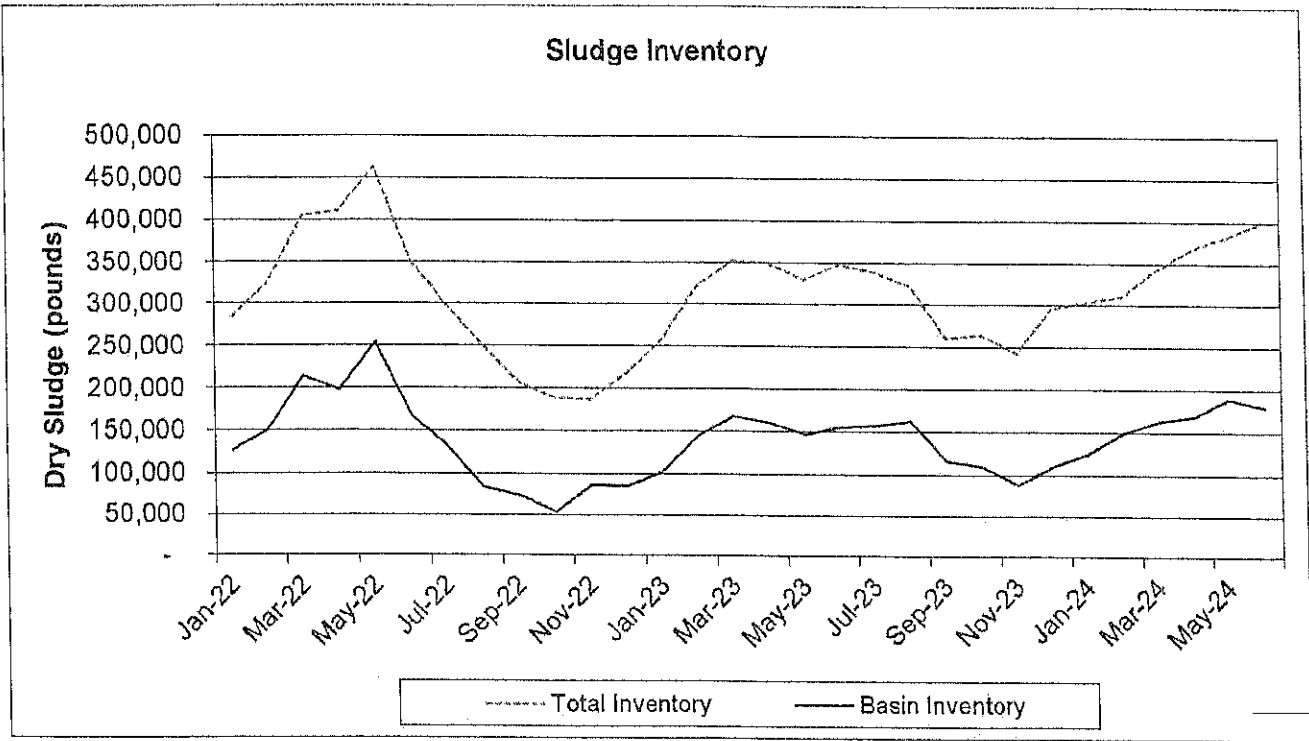


	Hauled Sludge				
	Loads	Gallons	# Dry	% Solids	Annual Cumulative # Dry
Jan-22	0	-	0	4.5%	
Feb-22	0	-	0	4.0%	
Mar-22	0	-	0	4.4%	
Apr-22	47	169,200	62,120	4.4%	62,120
May-22	16	57,600	21,017	4.4%	83,137
Jun-22	84	302,400	102,052	4.0%	185,189
Jul-22	80	288,000	86,961	3.7%	274,150
Aug-22	108	388,800	120,426	3.7%	394,576
Sep-22	51	183,600	54,073	3.5%	448,649
Oct-22	42	151,200	44,405	3.5%	493,054
Nov-22	0	-	0	3.5%	493,054
Dec-22	8	28,800	7,746	3.2%	500,800
Jan-23	0	-	0	3.2%	
Feb-23	0	-	0	3.2%	
Mar-23	0	-	0	3.2%	
Apr-23	116	417,000	129,223	3.7%	129,223
May-23	48	172,800	46,747	3.2%	175,970
Jun-23	58	208,800	65,362	3.8%	241,332
Jul-23	51	183,600	58,307	3.8%	299,639
Aug-23	74	266,400	83,587	3.8%	383,226
Sep-23	34	122,400	39,271	3.8%	422,497
Oct-23	9.5	34,200	11,124	3.9%	433,621
Nov-23	0	-	0	3.9%	
Dec-23	0	-	0	3.9%	
Jan-24	0	-	0	3.9%	
Feb-24	38	129,600	40,663	3.8%	40,663
Mar-24	25	90,000	29,724	4.0%	70,587
Apr-24	23	82,800	24,950	3.6%	95,537
May-24	38	129,600	40,472	3.7%	136,009
Jun-24	50	180,000	53,413	3.6%	189,422

Basin Depths				# Dry
Tank #1	Tank #2	AB #1	Basin Gallons	
4.5	3.0	0.0	337,500	126,664
7.0	3.0	0.0	450,000	150,120
6.0	7.0	0.0	585,000	214,672
7.0	5.0	0.0	540,000	198,255
6.5	7.0	0.0	697,500	254,503
7.0	4.0	0.0	495,000	167,049
7.0	2.5	0.0	427,500	132,051
2.0	4.0	0.0	270,000	83,629
3.5	2.0	0.0	247,500	72,693
1.0	3.0	0.0	180,000	52,863
4.0	2.5	0.0	292,500	85,381
4.0	3.0	0.0	315,000	84,722
5.0	3.5	0.0	382,500	102,082
8.5	5.5	0.0	540,000	144,115
7.0	7.0	0.0	630,000	168,134
7.5	4.0	0.0	517,500	160,367
6.0	6.0	0.0	540,000	146,084
6.0	5.0	0.0	495,000	154,953
6.0	5.0	0.0	495,000	157,200
7.0	4.5	0.0	517,500	162,373
7.5	0.5	0.0	360,000	115,503
7.5	0.0	0.0	337,500	109,776
3.0	3.0	0.0	270,000	87,620
4.5	3.0	0.0	337,500	109,775
5.5	3.0	0.0	382,500	124,412
7.0	3.5	0.0	472,500	148,980
7.0	4.0	0.0	495,000	163,482
5.5	7.0	0.0	552,500	169,497
7.0	6.5	0.0	607,500	189,713
7.0	6.5	0.0	607,500	180,289

Blanket Depths			MLSS Inventory		Blanket and MLSS Inventory		MLSS	Total Dry
Clar #1	Clar #2	Clar #3	MLSS AB #1	MLSS AB #2	Gallons	# Dry	% Solids	Sludge Inventory
1.0	3.5	0.0	5,060	5,180	3,679,929	157,136	0.0051	283,600
4.0	1.5	0.0	6,280	5,030	3,697,691	174,393	0.0057	324,513
9.0	10.0	0.0	5,870	5,760	3,937,478	190,484	0.0058	405,135
10.0	10.0	1.0	7,100	5,600	3,998,668	211,785	0.0064	410,021
2.0	10.0	1.0	8,290	6,630	3,856,572	207,778	0.0085	462,281
4.5	0.5	1.5	5,780	8,010	3,753,952	184,247	0.0059	351,297
8.0	3.0	1.5	4,740	5,860	3,860,524	166,296	0.0052	298,348
1.5	1.0	0.5	5,490	5,420	3,699,119	166,789	0.0055	250,418
1.0	1.0	0.5	4,660	4,160	3,657,238	134,359	0.0044	207,251
0.5	0.5	0.5	4,590	4,390	3,639,476	136,286	0.0045	189,149
1.0	1.0	0.0	4,330	2,340	3,635,524	101,573	0.0034	186,954
1.5	1.5	0.0	4,510	4,270	3,653,286	133,758	0.0044	218,478
1.0	1.0	0.0	4,880	5,380	3,635,524	155,543	0.0051	257,625
2.0	2.0	0.0	6,030	5,570	3,671,048	177,882	0.0058	321,997
1.0	2.0	1.0	5,310	6,640	3,696,714	184,213	0.0060	352,347
1.0	1.0	1.0	6,200	6,170	3,678,952	189,771	0.0062	350,138
0.5	9.0	0.5	5,120	6,530	3,790,453	184,142	0.0058	330,226
1.5	4.0	0.5	6,020	6,440	3,719,405	183,254	0.0062	348,207
2.0	3.5	0.5	6,030	5,710	3,719,405	182,086	0.0059	339,287
1.0	1.0	0.5	5,690	4,910	3,657,238	160,285	0.0053	322,658
1.0	1.0	0.5	4,780	4,750	3,657,238	145,339	0.0048	280,842
0.5	0.5	0.5	4,530	5,680	3,639,476	154,650	0.0051	284,426
2.0	2.0	0.5	4,550	5,540	3,692,762	155,374	0.0050	243,194
1.0	3.0	0.0	5,730	6,450	3,671,048	186,455	0.0061	296,290
1.0	5.0	0.0	5,470	6,100	3,706,572	178,631	0.0058	303,243
0.5	1.0	0.0	5,120	5,530	3,626,643	161,061	0.0053	310,041
4.0	5.0	0.0	5,990	5,540	3,759,858	180,304	0.0058	343,786
1.5	0.5	0.5	5,770	7,270	3,657,238	198,889	0.0056	368,886
6.0	2.5	0.5	6,800	5,623	3,772,691	192,561	0.0061	382,274
3.0	6.0	1.5	6,680	7,100	3,825,000	219,954	0.0069	400,223

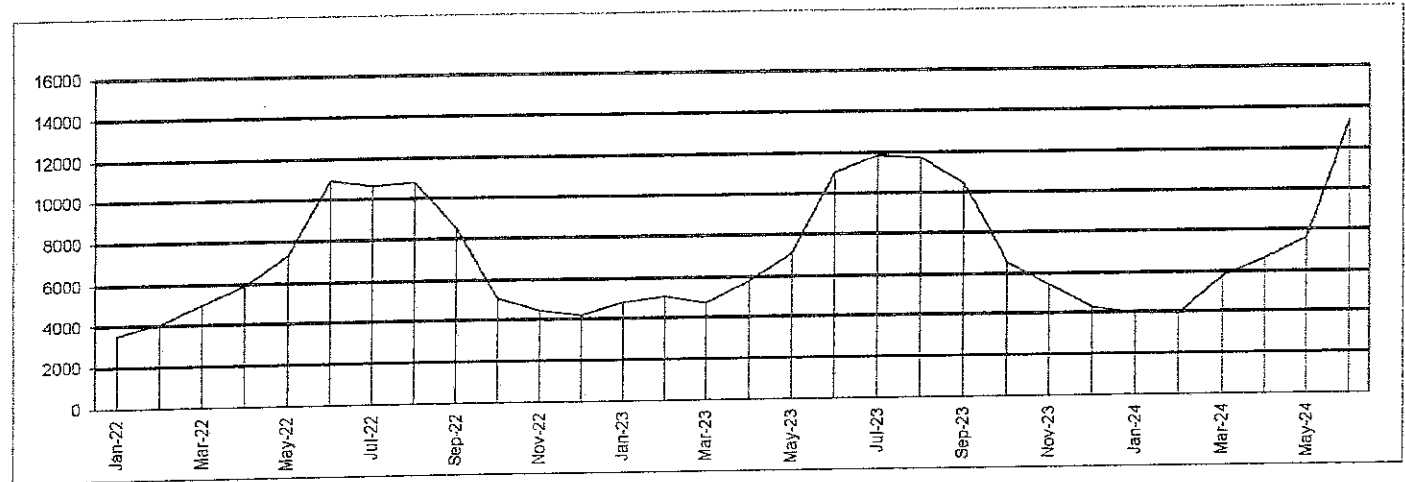
Accepted Septage	
Loads	Gallons
13	27,000
32	68,000
23	48,000
52	124,500
37	85,000
42	93,500
33	68,500
168	300,000
76	168,000
33	71,000
38	89,500
33	71,500
35	74,500
38	87,500
50	115,500
82	171,500
49	102,500
59	131,500
61	120,500
27	65,500
84	164,000
40	85,500
30	59,000
29	77,000
23	43,000
21	40,000
21	51,500
56	122,000
48	119,000
78	175,000



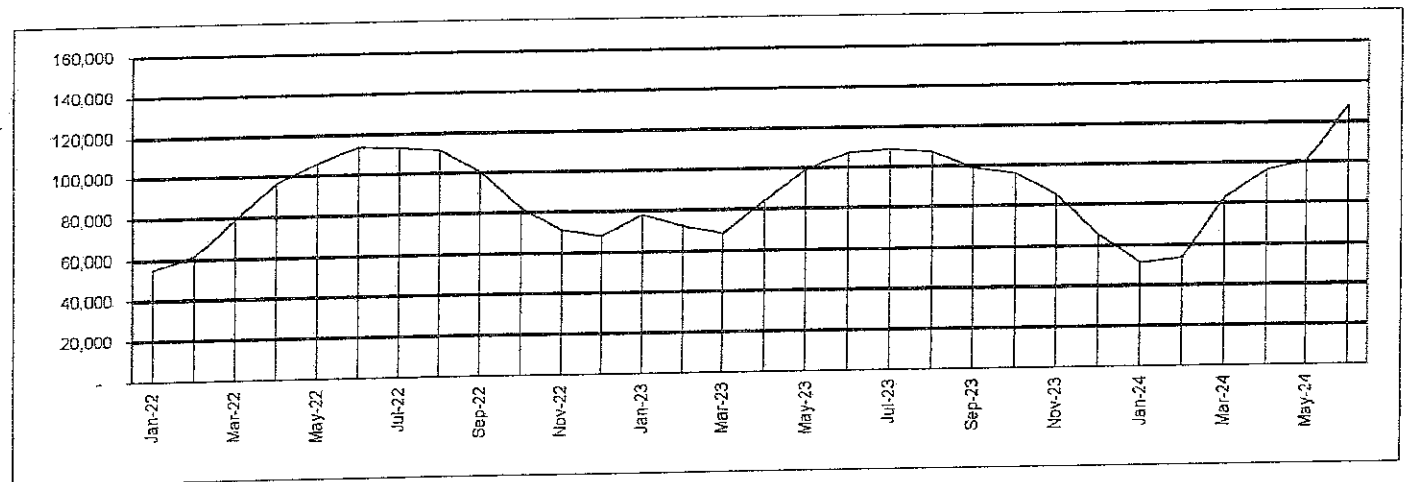
Electric Cost Kilowatts Used

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
Apr-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
Feb-24	3925	53,460
Mar-24	5786	82,859
Apr-24	6619	96,496
May-24	7563	100,390
Jun-24	13362	127,782

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	4.5	3.5
Apr-22	4.7	2.9	Apr-23	6.0	3.2	Apr-24	5.5	2.1
May-22	4.4	2.8	May-23	5.6	1.9	May-24	5.2	3.6
Jun-22	4.4	3.7	Jun-23	6.2	2.8	Jun-24	4.5	1.4
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.	5.0	2.8



MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
 Discharge Monitoring Report For Municipal Wastewater Treatment Plants

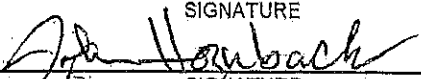
NAME OF FACILITY							LOCATION ADDRESS & CITY							COUNTY/REGION		
Lake of the Ozarks Regional WWTP #1							#3 Anderson Road							Miller/SWRO		
MONTH/YEAR		PERMIT NUMBER					OUTFALL NUMBER		TYPE TREATMENT FACILITY							
Jun-24		MO-0103241					#001		Oxidation Ditch/UV/Sludge Holding-sludge is land applied							
INFLUENT						EFFLUENT								% Removal		
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	6.8				22.1	2.221	7.7				8.4		22.2			
2	7.0				22.2	1.827	7.7				8.4		22.8			
3	6.9				22.7	1.560	7.7				8.3	< 20	23.0			
4	6.7			15.3	20.9	1.586	7.7			0.26	8.3		21.9			
5	7.1				20.7	1.700	7.9				8.3		22.5			
6	7.1				21.9	1.457	8.1				8.3		23.4			
7	6.9	170	158		21.5	1.489	7.7	1.7	1.8		8.4		22.4	99.0	98.9	
8	6.9				21.5	1.847	8.1				8.3		22.6			
9	6.9				20.5	2.171	8.1				8.6		21.8			
10	6.7				21.2	2.229	7.9				8.7	< 20	22.1			
11	6.8				21.1	1.587	7.8				8.4		22.0			
12	7.1			20.0	21.4	1.515	8.0			0.12	8.4		22.6			
13	7.0				22.8	1.568	8.0				8.3		23.6			
14	7.1	210	234		22.9	1.728	7.9	1.5	1.9		8.2		23.9	99.3	99.2	
15	7.3				23.3	1.827	8.0				8.2		24.8			
16	7.2				24.8	1.851	8.1				8.0		26.0			
17	6.9				23.6	1.618	7.9				8.0	< 20	25.6			
18	6.6			20.7	22.6	1.506	7.8			0.14	8.1		24.6			
19	6.8				22.9	1.604	7.8				8.0		25.4			
20	6.9				24.7	1.543	7.8				8.0		25.6			
21	6.8	248	304		22.9	1.644	7.8	1.2	1.7		8.1		24.5	99.5	99.4	
22	7.0				23.4	1.759	7.8				8.1		24.8			
23	6.9				23.8	1.884	7.8				7.9		25.3			
24	6.7			43.3	24.7	1.664	7.7			1.0	8.0	< 20	26.0			
25	6.7				25.4	1.453	7.7				7.8		26.8			
26	6.7	230	234		23.4	1.671	7.8	1.8	1.6		7.9		24.9	99.2	99.3	
27	6.8				23.7	1.748	7.8				8.0		24.8			
28	6.9				23.6	1.648	7.8				8.0		24.4			
29	6.9				24.4	1.741	7.8				8.1		24.5			
30	6.7				23.7	2.365	7.8				8.2		24.6			
Total						52.011										
Avg		215	233	24.8	22.8	1.734		1.6	1.8	0.38	8.2	10.0	24.0	99.3	99.2	
Min	6.6	170	158	15.3	20.5	1.453	7.7	1.2	1.6	0.12	7.8	< 20	21.8	99.0	98.9	
Max	7.3	248	304	43.3	25.4	2.365	8.1	1.8	1.9	1.0	8.7	< 20	26.8	99.5	99.4	

MONTHLY EFF MONITORING				QUARTERLY EFF MONITORING				MONTHLY INF MONITORING		
DATE	Phosphorus mg/L	TKN 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										
3										
4	1.38	0.485	< 0.030					4.51	39.8	< 0.030
5										
6										
7										
8										
9										
10										
11										
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19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
Total	1.38	0.485	< 0.030					4.51	39.8	< 0.030
Avg	1.38	0.485	< 0.030					4.51	39.8	< 0.030
Min	1.38	0.485	< 0.030					4.51	39.8	< 0.030
Max	1.38	0.485	< 0.030					4.51	39.8	< 0.030

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

DATE Jun-24	SLUDGE DISP. LBS. DRY WEIGHT	#1 Aeration Basin, O-Ditch, Etc.				#2 Aeration Basin, O-Ditch, Etc.				*Weather Conditions		
		MIXED LIQUOR				MIXED LIQUOR				Outside * Ambient Temp ° F	*RAIN inches	Time
		* DO mg/l	** MLSS mg/l	*Settleability		* DO mg/l	** MLSS mg/l	*Settleability				
				*30 min ml	Temp ° C			*30 min ml	Temp ° C			
1		0.8	6,670	830	22.8	1	5,390	650	22.3	69	0.3	7:30
2		1.0	6,380	710	23	1	6,100	730	22.8	70	0	7:30
3		1.0	6,460	790	23.1	1.1	6,490	760	23	71	0	7:30
4		0.9	6,680	820	21.5	1.3	6,790	790	21.7	68	0.5	7:30
5		0.9	6,500	820	22.5	0.9	6,480	800	22.4	73	0.4	7:30
6		1.2	6,380	730	22.9	1.1	6,750	830	22.8	68	0	7:30
7		1.5	6,150	740	22.1	1.2	7,060	840	22.5	62	0	7:30
8		1.1	5,900	790	22.3	1.1	5,940	790	22.4	70	0.7	7:30
9		0.7	5,800	750	21.6	0.7	6,100	800	21.6	68	0.8	7:30
10		1.1	6,190	780	22.2	1.0	6,320	800	22.3	63	0	7:30
11		1.7	6,650	810	21.8	1.4	6,340	810	21.9	62	0	7:30
12	5,254	1.3	6,620	830	22.6	0.9	6,870	860	22.8	68	0	7:30
13	5,404	1.3	6,530	760	24.3	0.8	7,520	880	23.9	70	0	7:30
14		1.0	5,950	700	23.7	0.8	7,750	880	23.7	73	0.3	7:30
15		0.9	6,390	780	24.6	0.7	7,430	880	24.4	75	0	7:30
16		0.8	6,750	820	26.3	0.8	7,020	860	25.3	79	0	7:30
17		0.8	6,420	780	25.5	0.7	6,930	860	25.1	79	0	7:30
18		0.8	7,090	870	24.8	0.8	6,930	850	24.6	77	0	7:30
19		0.8	6,770	830	25.2	1.0	7,040	870	25.2	74	0	7:30
20	11,109	1.0	7,030	830	25.7	0.7	7,400	870	25.2	75	0	7:30
21		1.1	6,920	850	24.3	0.9	7,320	870	24.3	72	0	7:30
22		0.9	6,770	850	24.5	1.1	6,990	860	24.6	72	0	7:30
23		0.9	7,060	840	25.0	1.1	7,160	840	25.0	81	0	7:30
24	6,305	0.9	6,730	850	26.0	0.9	6,630	840	25.9	74	0	7:30
25	7,927	1.1	7,610	880	26.6	1.8	6,830	830	26.6	81	0	7:30
26		0.6	7,210	880	24.6	0.8	6,440	830	24.6	71	0.9	7:30
27	11,109	0.6	7,530	870	24.5	0.7	7,360	870	24.6	70	0	7:30
28	6,305	0.7	7,080	870	24.1	1.2	7,530	880	24.1	72	0	7:30
29		1.8	6,950	860	24.3	1.9	6,860	870	24.4	74	0.2	7:30
30		0.8	6,690	840	24.8	1.1	7,100	850	24.1	73	0.65	7:30

COMMENTS:

TESTS PERFORMED BY (PRINT)	SIGNATURE	PHONE #	DATE
John Hornback		(573)365-0455	7/8/2024
REPORT APPROVED BY (PRINT)	SIGNATURE	PHONE #	DATE
Gary Hutchcraft		(573)365-0455	7/8/2024

*Required Daily (Monday - Friday)

**Required 1/week

Lake of the Ozarks Regional
WWTP #1
#3 Anderson Road
LAKE OZARK, MO, Miller

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

Permit Number	Outfall Number
MO0105241	001M
Monitoring Period	
6/1/24	6/30/24
NODI:	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
Flow, in conduit or thru treatment plant	*****	*****	*****	*****	2.365	1.734	Mgal/d
Mon. Location.: End of Pipe	*****;*****	*****;*****	*****;*****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
Sample Type: Total Measured							
Frequency: Daily							
BOD, 5-day, 20 deg. C	*****	1.8	1.6	mg/L	*****	*****	*****
Mon. Location.: End of Pipe	*****;*****	Weekly Avg.:45	Monthly Avg.:30		*****;*****	*****;*****	
Sample Type: 24 Hour Composite							
Frequency: Weekly							
Total Suspended Solids (TSS)	*****	1.9	1.8	mg/L	*****	*****	*****
Mon. Location.: End of Pipe	*****;*****	Weekly Avg.:45	Monthly Avg.:30		*****;*****	*****;*****	
Sample Type: 24 Hour Composite							
Frequency: Weekly							
Escherichia coli (E. coli)	*****	<20	10.0	#/100mL	*****	*****	*****
Mon. Location.: End of Pipe	*****;*****	7 Day Geo.:630	30 Day Geo. Mean:126		*****;*****	*****;*****	
Sample Type: Grab							
Frequency: Weekly							
Phosphorus, total (as P)	1.38	*****	1.38	mg/L	*****	*****	*****
Mon. Location.: End of Pipe	Daily Max.:Monitoring Required	*****;*****	Monthly Avg.:Monitoring Required		*****;*****	*****;*****	
Sample Type: 24 Hour Composite							
Frequency: Monthly							
Nitrogen, Kjeldahl, total (as N)	0.485	*****	0.485	mg/L	*****	*****	*****
Mon. Location.: End of Pipe	Daily Max.:Monitoring Required	*****;*****	Monthly Avg.:Monitoring Required		*****;*****	*****;*****	
Sample Type: 24 Hour Composite							
Frequency: Monthly							
Nitrite plus nitrate total (as N)	<0.030	*****	<0.030	mg/L	*****	*****	*****
Mon. Location.: End of Pipe	Daily Max.:Monitoring Required	*****;*****	Monthly Avg.:Monitoring Required		*****;*****	*****;*****	
Sample Type: 24 Hour Composite							
Frequency: Monthly							
Nitrogen, ammonia total (as	1.0	*****	0.38	mg/L	*****	*****	*****

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Jefferson City, MO, 65102

N)							
Mon. Location.: End of Pipe	Daily Max.:12.1	****,****	Monthly Avg.:1.7		****,****	****,****	
Sample Type: 24 Hour Composite							
Frequency: Weekly							
pH	7.7	****	8.1	SU	****	****	****
Mon. Location.: End of Pipe	Minimum:6.0	****,****	Maximum:9.0		****,****	****,****	
Sample Type: Grab							
Frequency: Weekly							
BOD, 5-day, percent removal	****	****	99.0	%	****	****	****
Mon. Location.: End of Pipe	****,****	****,****	Monthly Avg. Min.:85		****,****	****,****	
Sample Type: Calculated							
Frequency: Monthly							
Suspended Solids, percent removal	****	****	98.9	%	****	****	****
Mon. Location.: End of Pipe	****,****	****,****	Monthly Avg. Min.:85		****,****	****,****	
Sample Type: Calculated							
Frequency: Monthly							
Comments:							

Lake of the Ozarks Regional
WWTP 1
#3 Anderson Road
LAKE OZARK, MO, Miller

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

Permit Number	Outfall Number
MO0103241	INF1M
Monitoring Period	
6/1/24	6/30/24
NODI:	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements			Unit
BOD, 5-day, 20 deg. C	*****	*****	215	mg/L	*****	*****	*****	
Mon. Location.: Influent	*****;*****	*****;*****	Monthly Avg.:Monitoring Required		*****;*****	*****;*****		
Sample Type: 24 Hour Composite								
Frequency: Monthly								
Total Suspended Solids (TSS)	*****	*****	233	mg/L	*****	*****	*****	
Mon. Location.: Influent	*****;*****	*****;*****	Monthly Avg.:Monitoring Required		*****;*****	*****;*****		
Sample Type: 24 Hour Composite								
Frequency: Monthly								
Nitrogen, ammonia total (as N)	43.3	*****	24.8	mg/L	*****	*****	*****	
Mon. Location.: Influent	Daily Max.:Monitoring Required	*****;*****	Monthly Avg.:Monitoring Required		*****;*****	*****;*****		
Sample Type: 24 Hour Composite								
Frequency: Monthly								
Phosphorus, total (as P)	4.51	*****	4.51	mg/L	*****	*****	*****	
Mon. Location.: Influent	Daily Max.:Monitoring Required	*****;*****	Monthly Avg.:Monitoring Required		*****;*****	*****;*****		
Sample Type: 24 Hour Composite								
Frequency: Monthly								
Nitrogen, Kjeldahl, total (as N)	39.8	*****	39.8	mg/L	*****	*****	*****	
Mon. Location.: Influent	Daily Max.:Monitoring Required	*****;*****	Monthly Avg.:Monitoring Required		*****;*****	*****;*****		
Sample Type: 24 Hour Composite								
Frequency: Monthly								
Nitrite plus nitrate total (as N)	<0.030	*****	<0.030	mg/L	*****	*****	*****	
Mon. Location.: Influent	Daily Max.:Monitoring Required	*****;*****	Monthly Avg.:Monitoring Required		*****;*****	*****;*****		
Sample Type: 24 Hour Composite								
Frequency: Monthly								

Comments:

Lake of the Ozarks Regional
WWTP 1
#3 Anderson Road
LAKE OZARK, MO, Miller

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 Gary Hutchcraft	Submission Date July 8, 2024	User Phone Number (573)365-0455
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Lake of the Ozarks Regional
WWTP 1
#3 Anderson Road
LAKE OZARK, MO, Miller

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

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eSignature Gary Hutchcraft	Submission Date July 9, 2024	User Phone Number (573)365-0455
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FOR JUNE 2024
month year

Date 7/8/2024