

**OSAGE BEACH / LAKE OZARK
JOINT SEWER BOARD MEETING
AGENDA
November 21st, 2023 @ 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
Assistant City Administrator, Acting Public Works Manager, Mike Welty

3. PUBLIC COMMENT

4. MINUTES

Regular Meeting: October 17th, 2023 **3-4**

5. REPORTS

Bills List	5-9
Revenue Budget Analysis	10
Expenditure Budget Analysis	11
Income & Expense Summary	12

6. ALLIANCE REPORT OF OPERATIONS **14-33**

7. APPROVAL OF FLOW CHARTS

8. OLD BUSINESS

- A. Board update
- B. Further discussion and possible action regarding FY 2024 operating budget
(approved October meeting.)

9. NEW BUSINESS

- A. Review and possible action regarding the financial records disposal List for 2023. **Pg. 13**
- B. Review and possible action regarding the bids for the clarifier paint project (opened on November 20th, 2023. Alliance will bring the bids to this meeting). **Pg. 16**
- C. Bid opens for the RAS Pump Replacement Project December 4th, 2023.
Review/discuss if the board would like to have the bid summary emailed to them or does the board want the bid(s) summary or see the bids at the December meeting to review and possibly approve. **Pg. 16**

10. ADDITIONAL DISCUSSION ITEMS

11. ADJOURNMENT

LAKE OZARK-OSAGE BEACH JOINT SEWER BOARD

Meeting Minutes – October 17th, 2023

CALL TO ORDER:

Mayor Harmison called the meeting to order at 4:00 pm on Tuesday, October 17th, 2023, 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- Absent
 Alderman, Pat Thompson- Present
 Public Works Director, Matt Michalik – Present
 Resident Member, Mr. Gary Hamner – Absent
 Assistant City Administrator, Acting Public Works Manager, Mike Welty - Present

MINUTES:

Public Works Director, Matt Michalik, motioned to approve the corrected meeting minutes from September 19th, 2023. The motion was seconded by City Administrator, Harrison Fry 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, Expenditure Budget Analysis, and the Income & Expense Summary. Motion was seconded by City Administrator, Jeana Woods and was passed unanimously.

ALLIANCE REPORT OF OPERATIONS:

Alliance Report of Operations: The average daily incoming flow for August was 1.183 mgd. We had 2.5 inches of precipitation measured for September at the WWTP.

Operationally, the plant's discharge was excellent, with an effluent monthly average BOD of 1.2 mg/l and TSS of 1.5 mg/l respectively for September which represents a 99.2 + % or better removal.

The MLSS average for both aeration basins for September was 4,707 mg/l. The total dry weight sludge inventory for September totaled 260,842 pounds. There were 34 loads of biosolids or 122,400 gallons land applied for September. We received 84 loads of septage or 164,000 gallons for September.

APPROVAL OF FLOW CHART:

Public Works Director, Matt Michalik motioned to approve the August flow chart. The motion was seconded by Assistant City Administrator, Acting Public Works Manager, Mike Welty and was unanimously approved.

OLD BUSINESS:

- A. Board Representative Update. All is running as expected.

NEW BUSINESS:

- A. Amended 2023 budget. City Administrator, Jeana Woods made a motion to approve the amended 2023 budget. The motion was seconded by City Administrator, Harrison Fry and was unanimously approved.
- B. FY2024 Operating budget review. City Administrator, Jeana Woods made a motion to approve the amended 2023 budget. The motion was seconded by City Administrator, Harrison Fry and was unanimously approved.

ADDITIONAL DISCUSSION ITEMS:

ADJOURNMENT:

With no further business to discuss, a motion was made by Alderman, Pat Thompson to adjourn. The motion was seconded Public Works Director, Matt Michalik. The meeting was adjourned at 4:25 pm.

Approved:

Michael Harmison, Mayor

Robin Craig, Clerk

JOINT SEWER BOARD
BILL LIST
NOVEMBER 21, 2023

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:	\$	1,479.96
OPERATING FUND BILLS TO BE PAID:	\$	43,298.80
EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:	\$	-
EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:	\$	-

TOTAL \$ 44,778.76

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:

Account	Paid To:	Description:	Amount:
4020	Penn-Troy Manufacturing	Replace Mud Valve for UV Pit	\$ 989.96
4020	WSG & Solutions	Repair Drive Chain for Bar Screens	\$ 490.00
			\$ -
TOTAL			\$ 1,479.96

OPERATING FUND BILLS TO BE PAID:

Account	Paid To:	Description:	Amount:
4000	Equipment Replacement Fund	Payment into ER Fund	\$ 5,000.00
4020	Lake Sun	Legal Notice Bid Clarifier Paint Pro	\$ 275.10
4020	Lake Sun	Legal Notice Bid RAS Pump Replace	\$ 296.80
4020	M/C QuickBooks	Accounting Software	\$ 30.00
4020	Menards	Sump Pump & Tape	\$ 158.85
4020	Menards	Bolts, Nuts, Digester #2	\$ 66.20
4020	Menards	Extension Cord	\$ 44.99
4020	Menards	Screws for Digester	\$ 7.09
4020	USA Blue Book	Sludge Judge Parts	\$ 474.32
4020	Woodley Building Main.	Janitorial - November	\$ 330.00
4170	Alliance Water Resources Inc	November	\$ 29,466.00
4175	Ameren MO	11673321	\$ 6,183.54
4175	Ameren MO	98041275	\$ 69.28
4176	AT&T	Sept/Oct.	\$ 93.04
4176	Ferrellgas	361.6 Gallons of Propane	\$ 722.84
4176	Republic	November	\$ 80.75
TOTAL			\$ 43,298.80

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			\$ -
TOTAL			\$ -



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

Current Detail for Statement 11/06/2023

Total Electric Charges \$6,183.54

Total Amount Due \$6,183.54

AMOUNT DUE \$6,183.54

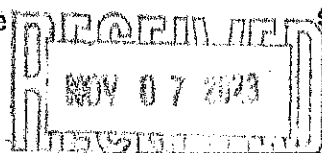
Due Date 11/29/2023

Amount After Due Date \$6,245.38

Previous Statement \$10,382.34

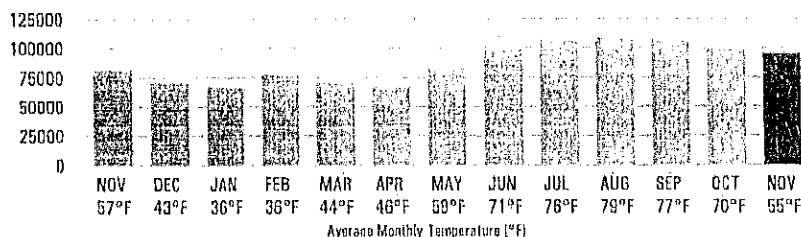
Total Payments \$10,382.34

Payment Received, Thank You.



Electric Usage History

Electric Usage in Kilowatt Hours (kWh)



Electric Usage Summary (kWh)

So far this year you're using **1.6% more** than the same time period last year.

2022	964,320 kWh
2023	979,360 kWh

13073
01502 22-6873 003167 006533 0001/2002

Keeping You Informed.

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GL Acct#: 4175
 Signature: [Signature]
 Date: 11/17/23
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» See next page for service details.

Page 1 of 4

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Amount Due	Due Date
\$6,183.54	November 28, 2023
Delinquent Amount After Due Date	Account Number
\$6,245.38	4580005832

Amount Enclosed \$

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

AMEREN MISSOURI
 PO BOX 88068
 CHICAGO IL 60680-1068

00600000 0045800058302 000006183540 000006183540



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Electric Service Details Service from 10/04/2023 - 11/02/2023 (29 days)

Electric Meter Read

METER NUMBER	SERVICE FROM - TO	NO. DAYS	USAGE TYPE	READING TYPE	CURRENT READING	PREVIOUS READING	READING DIFFERENCE	MULTIPLIER	USAGE
11673321	10/04 - 11/02	29	Total kWh	Actual	83085.0000	82488.0000	597.0000	160.0000	85520.0000
11673321	10/04 - 11/02	29	Peak kW	Actual	0.0000	0.0000	0.0000	160.0000	168.9000

Usage Summary

Total kWh	85520.0000	Non-Summer kWh	85520.0000
Peak kW	168.9000	Billing Demand	168.9000
Total Billing Demand	168.9000	October Winter Base kW	178.8000
Winter Base Demand	168.9000	Base kWh Ratio	1.0000
Base kWh (HUD)	85520.0000	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
Winter Demand Charge	168.90	kW	@ \$ 2.30000000	\$386.47
Base Energy Charge / Hours Used	28,836.00	kWh	@ \$ 0.06990000	\$1,998.68
Base Energy Charge / Hours Used	31,780.00	kWh	@ \$ 0.06190000	\$1,948.38
Base Energy Charge / Hours Used	36,906.00	kWh	@ \$ 0.04090000	\$1,529.11
Customer Charge				\$110.58
Fuel Adjustment Charge	85,520.00	kWh	@ \$ 0.00309000	\$262.16
Energy Efficiency Investment Charge	85,520.00	kWh	@ \$ 0.00467100	\$399.82
Renewable Energy Adjustment	85,520.00	kWh	@ \$ 0.00032000	\$27.37
Total Service Amount				\$8,193.54
Total Electric Charges				\$8,193.54

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

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Account Number 5580005920
 Customer Name ALLIANCE WATER RESOURCES INC
 Service Address 3 ANDERSON RD
 LAKE OZARK, MO 65049

AMOUNT DUE \$69.28

Due Date 11/29/2023

Amount After Due Date \$69.97

Previous Statement \$55.37

Total Payments \$55.37

Payment Received. Thank You.

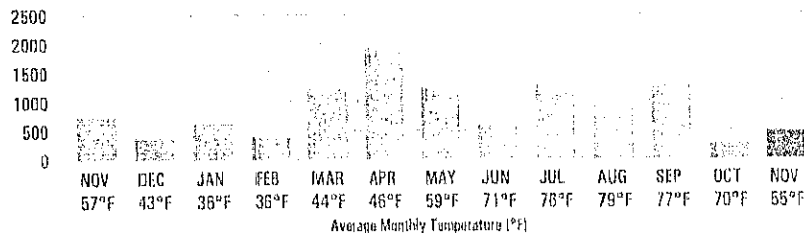
Current Detail for Statement 11/06/2023

Total Electric Charges \$69.28

Total Amount Due \$69.28

Electric Usage History

Electric Usage in Kilowatt Hours (kWh)



Electric Usage Summary (kWh)

So far this year you're using **40.7% less** than the same time period last year.

2022 17,140 kWh

2023 10,160 kWh

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: Gary Hutchings
 Date: 11/7/23

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Amount Due	Due Date
\$69.28	November 29, 2023
Delinquent Amount After Due Date	Account Number
\$69.97	5580005920
Amount Enclosed \$	

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

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 CHICAGO IL 60680-1068

30633000 0055800059200 000000069280 000000069280



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Electric Service Details Service from 10/04/2023 - 11/02/2023 (29 days)

Electric Meter Read:

METER NUMBER	SERVICE FROM - TO	NO. DAYS	USAGE TYPE	READING TYPE	CURRENT READING	PREVIOUS READING	READING DIFFERENCE	MULTIPLIER	USAGE
00041270	10/04 - 11/02	29	Total kWh	Actual	20386.0000	20338.0000	48.0000	10.0000	480.0000
00041270	10/04 - 11/02	29	Peak kW	Actual	0.3780	0.0000	0.3780	10.0000	0.3780

Usage Summary

Total kWh	480.0000	Non-Summer kWh	480.0000
Winter Base kWh	1000.0000	Current Base kWh	480.0000
Winter Cur Base kWh	480.0000	Seasonal kWh	0.0000

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

Threshold - Peak Demand

DESCRIPTION	USAGE	UNIT	RATE	CHARGE
Base Energy Charge	480.00	kWh	@ \$ 0.08040000	\$42.91
Seasonal Energy Charge	0.00	kWh	@ \$ 0.05180000	\$0.00
Customer Charge				\$28.07
Fuel Adjustment Charge	480.00	kWh	@ \$ 0.00308000	\$1.48
Energy Efficiency Investment Charge	480.00	kWh	@ \$ 0.00340000	\$1.67
Renewable Energy Adjustment	480.00	kWh	@ \$ 0.00032000	\$0.16
Total Service Amount				\$69.28
Total Electric Charges				\$69.28

Payments Since Previous Statement

DATE RECEIVED	AMOUNT
October 23, 2023	\$69.37

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

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

Account Number	Account Name	10/31/2023					Percent YTD
		2021 Actual	2022 Actual	2023 Budget	2023 Actual as of 10/31/2023	2023 October Revenue	
3020	Osage Beach	465,202.63	460,708.70	481,940.00	410,268.91	40,153.71	85%
3010	Lake Ozark	84,797.35	91,794.26	98,710.00	71,301.92	8,233.79	72%
3030	Misc.	22,000.00	1,094.92	0.00	234.08	234.08	0%
3100	Interest	2,700.22	2,462.35	2,500.00	4,819.20	712.94	193%
3060	Waste Haulers' Fee	60,520.00	49,490.00	56,000.00	56,060.00	4,275.00	100%
Total Operating Fund		635,220.20	605,550.23	639,150.00	542,684.11	53,609.52	85%
E/R Fund Income		5,508.47	3,588.63	4,000.00	11,998.93	1,332.11	300%
TOTAL INCOME		640,728.67	609,138.86	643,150.00	554,683.04	54,941.63	86%

**MONTH-TO-DATE AND YEAR-TO-DATE
EXPENDITURE/BUDGET ANALYSIS
10/31/2023**

Account Number	Account Name	2021 Actual	2022 Actual	2023 Budget Original	2023 Budget Amended	2023 Actual as of 10/31/2023	2023 October Expenses	Percent YTD
4000	Equipment Replace Fund	143,608.00	55,008.00	60,000.00	60,000.00	50,000.00	5,000.00	83%
4020	*Maintenance & Repair	104,853.81	60,030.11	93,500.00	118,000.00	77,711.67	6,506.88	66%
4140	Insurance	21,493.00	22,088.00	23,000.00	23,000.00	22,791.00	0.00	99%
4150	Vehicle Repair/Main	11,099.99	5,999.58	8,000.00	8,000.00	3,255.47	39.97	41%
4170	Contract Management	308,640.00	331,080.00	360,000.00	360,000.00	294,660.00	29,466.00	82%
4175	Electric	82,227.41	79,890.16	81,000.00	88,000.00	76,820.58	10,437.71	87%
4176	Utilities Misc.	3,528.17	3,694.18	5,000.00	5,000.00	3,556.38	80.36	71%
4190	Bank Charges	0.00	12.00	0.00	0.00	3.00	0.00	0%
4200	Audit	2,600.00	2,700.00	2,800.00	2,800.00	2,800.00	0.00	100%
4240	Capital Purchases	399.99	0.00	0.00	0.00	0.00	0.00	0%
	Totals	678,450.37	560,502.03	633,300.00	664,800.00	531,598.10	51,530.92	80%
	**E/R Expenses	202,161.70	11,093.26	103,000.00	120,000.00	112,613.67	0.00	94%
	TOTAL EXPENSES	880,612.07	571,595.29	736,300.00	784,800.00	644,211.77	51,530.92	82%

4020 DETAIL: Equip & Bldg. Repair/Main.

Auto Dialer Yrly Software Fee	500	X
Regular Maintenance	20,000	X
UV Bulbs, Quartz Sleeves, Misc	10,000	X
Painting RAS basement piping &	30,000	X
Rock for road	3,000	Fall
Sandblasting & paint Clarifier #3	30,000	Fall

93,500.00

DETAIL: Equip DETAIL: Equipment & Replacement

Replace wooden	Replace wooden doors w/fiberglass	3,000	If needed
Replace flow met	Replace flow meter for the effluer	25,000	X
*Replace aerator	*Replace aerator gear box - new	75,000	X

103,000.00

OPERATING FUND INCOME AND EXPENSE SUMMARY
10/31/2023

Beginning Balance	353,145.19
Income - Osage Beach	40,153.71
Income - Lake Ozark	8,233.79
Income - Other	234.08
Income - Waste Haulers' Fees	4,275.00
Interest - Checking	28.33
Income - CD Interest	684.61
Transfers From E/R Fund	-
Transfers To E/R Fund	(5,000.00)
Expenses	(46,111.52)
Ending Fund Balance	355,643.19
Central Bank - NOW Acct.	128,396.72
	-
CD First Bank of the Lake, 11/20/23 #8432	109,991.07
CD First Bank of the Lake, 1/22/25 #8433	117,255.40
	-
Outstanding Checks:	-
	355,643.19

EQUIPMENT REPLACEMENT FUND INCOME AND EXPENSE SUMMARY
10/31/2023

Beginning Balance	469,293.76
Interest - Checking	133.94
Income - CD Interest	1,198.17
Transfers From Operating Fund	5,000.00
Income - Miscellaneous	-
Expenses	-
Ending Fund Balance	475,625.87
First Bank of the Lake - Money Mkt.	90,704.93
CD First Bank of the Lake, 1/31/24 #8430	114,920.94
CD First Bank of the Lake, 5/07/24 #8434	270,000.00
	-
	-
Outstanding Checks:	-
	475,625.87

FINANCIAL RECORDS DISPOSAL LIST 2023

SCHEDULE NUMBER		MINIMUM RETENTION
<u>Administrative Records</u>		
GS 012	Correspondence - General (pre 2021, 2021)	1 YEAR
<u>Financial Records</u>		
GS 004	Budget Preparation (pre 2022, 2022)	COMPLETION OF AUDIT
MS 0008.2	Budget Adjustments (pre 2017, 2017)	5 YEARS
GS 006	Subsidiary Ledgers (pre 2022, 2022)	COMPLETION OF AUDIT
GS 007	Accounts Payable (pre 2017, 2017)	5 YEARS
GS 008	Accounts Receivable (pre 2016, 2016)	4 YEARS
GS 009	Purchasing Records (pre 2017, 2017)	5 YEARS
GS 010	Banking & Investment (pre 2016, 2016)	4 YEARS
GS 011	Receipts (pre 2022, 2022)	COMPLETION OF AUDIT
GS 019	Vendor Files (pre 2022, 2022)	SUPERSEDED OR OBSOLETE
GS 056	Insurance Policies (pre 2016, 2016)	6 YEARS AFTER EXPIRE.
GS 057	Insurance Claims (pre 2012, 2012)	10 YEARS AFTER CLOSED
GS 057	Insurance Claim Dismissed/Canceled (pre 2019, 2019)	3 YEARS AFTER DISMISSED
MS 0717	Journal Entries (pre 2017, 2017)	5 YEARS
<u>Legal</u>		
GS 058	Litigation Case Files (pre 2016, 2016)	CASE CLOSED PLUS 6 YEARS
GS 060	Contracts, Leases & Agreements (pre 2017, 2017)	EXPIRATION PLUS 5 YEARS

Local Records Retention Schedules

Missouri Revised Statutes Chapter 109 (Public and Business Records) Section 255 authorizes the Local Records Board to establish minimum retention periods for the administrative, fiscal and legal records created by local governments.

Retention and disposition of records that are common to many offices are included in the General Schedule. Records unique to particular offices are addressed in individual office schedules.

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

WATER RESOURCES® Alliance

Professional Water and Wastewater Operations

REPORT OF OPERATIONS

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

Month of October 2023

Submitted by Alliance Water Resources, Inc. for the

November 2023

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	2.5	N/A	10.0		0.05	< 2.0
Peak Day	2.1	3.4	8.1	< 20		0.10	< 2.0
Percent Removal	99.2	99.0	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		2.5	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 1.017 MGD or 34% of Permitted flow with Lake Ozark contributing 16% of the total flow and Osage Beach contributing 84%. 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 51680 pounds of BOD.

BIOSOLIDS APPLICATION AND INVENTORY

Plant personnel land applied 9.5 tanker loads of bio-solids during the month equivalent to a total of 32,200 gallons and 11,124 pounds dry weight solids.

434,621 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 337,500 gallons with a level of 7.5 feet in Tank 1 and 0.0 feet in Tank 2.

WASTEHAULERS

The plant received 40 loads of septage during the month totaling 85,500 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.

SAFETY

- We conducted our monthly Safety Meeting on Working Alone & Crane Safety on the 22nd of October.

REGULATORY AGENCY, INSPECTION AND REPORT

- We filled out the new EDMR on the EPA MoGEM website on the 7th of November.

MISCELLANEOUS AND RECOMMENDATIONS

- We put the Public Notice Invitation to Bid for both the Clarifier Paint Project & RAS Pump Replacement Project in the Lake Sun Newspaper Legals section. The Clarifier Paint Project was posted on the 8th and the RAS Pump Replacement Project will be posted on the 10th. We will open Bids for the Clarifier Paint Project on the 20th of November with a proposed starting date of the 22nd and the RAS Pump Replacement Project on December 4th with a proposed starting date of after January 1, 2024. I will bring a bid summary for the Clarifier Paint Project to this month's Joint Sewer Board meeting for discussion/approval and would like to see if it's okay for the Joint Sewer Board Reps to go over/discuss the bids for the RAS Pump Replacement Project unless the Board would prefer me to email everyone with a bid summary for discussion/approval.

TABLE A
LAKE OZARK/OSAGE BEACH WWTP

MONTH OF **October** **2023**

[illegible]

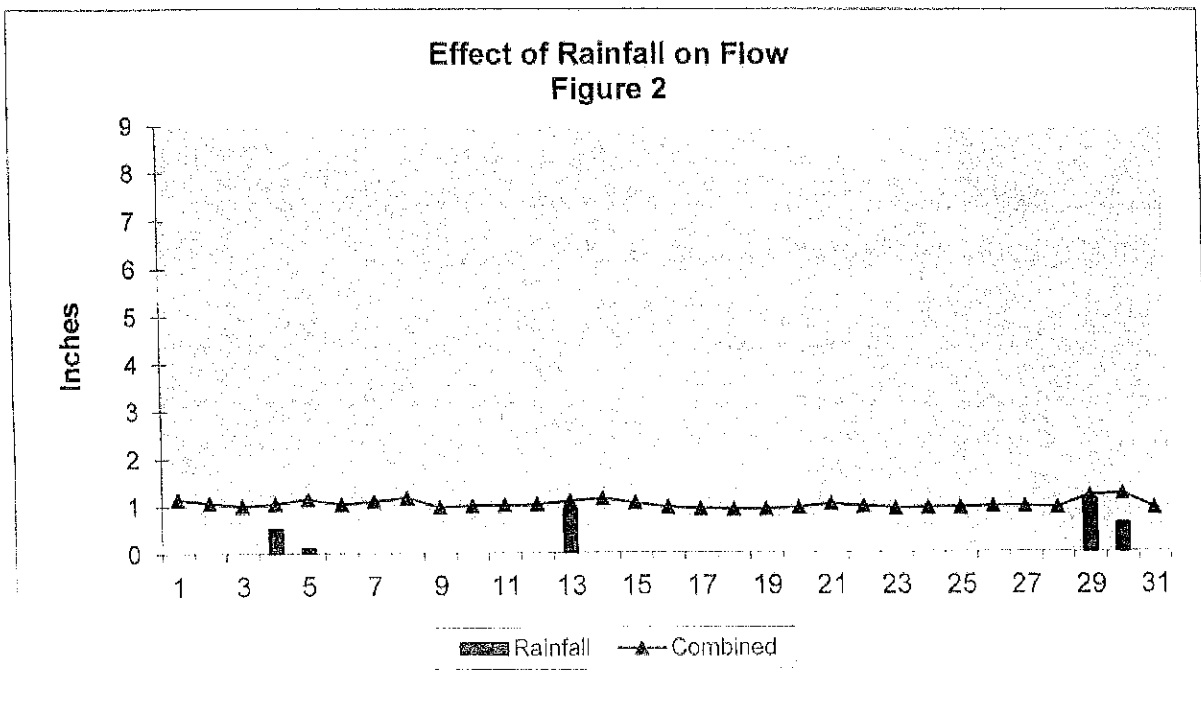
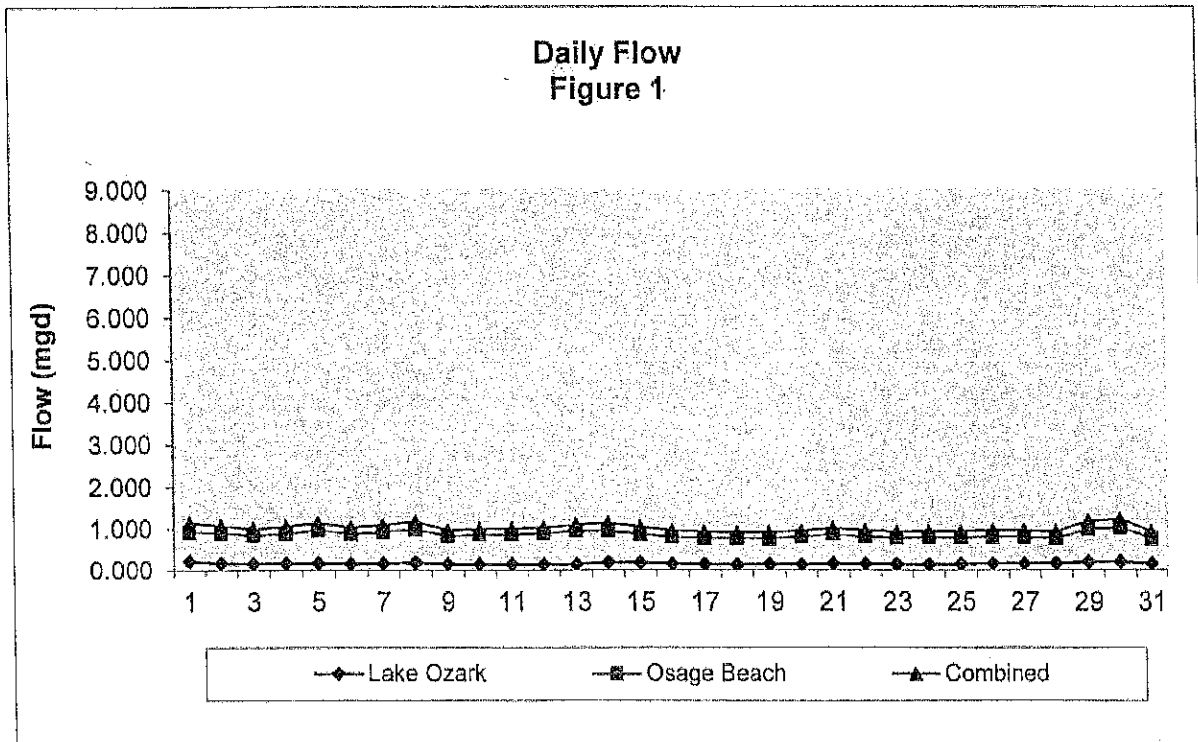


TABLE B
JOINT SEWER BOARD
Monthly Flows

<u>2021</u>	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	6.0	28,107,000	85%	4,855,000	15%	32,962,000	100%
February	3.0	22,136,000	85%	4,048,000	15%	26,184,000	100%
March	4.0	32,848,000	84%	6,450,000	16%	39,298,000	100%
April	5.2	30,179,000	84%	5,792,000	16%	35,971,000	100%
May	5.2	37,964,000	84%	7,479,000	16%	45,443,000	100%
June	8.0	41,695,000	85%	7,390,000	15%	49,085,000	100%
July	6.9	49,378,000	85%	9,000,000	15%	58,378,000	100%
August	1.8	41,691,000	85%	7,211,000	15%	48,902,000	100%
September	3.1	36,185,000	85%	6,306,000	15%	42,491,000	100%
October	6.0	32,925,000	85%	5,987,000	15%	38,912,000	100%
November	0.8	25,192,000	83%	5,025,000	17%	30,217,000	100%
December	2.3	25,041,000	82%	5,317,000	18%	30,358,000	100%

52.2	403,341,000	84%	74,860,000	16%	478,201,000	100%
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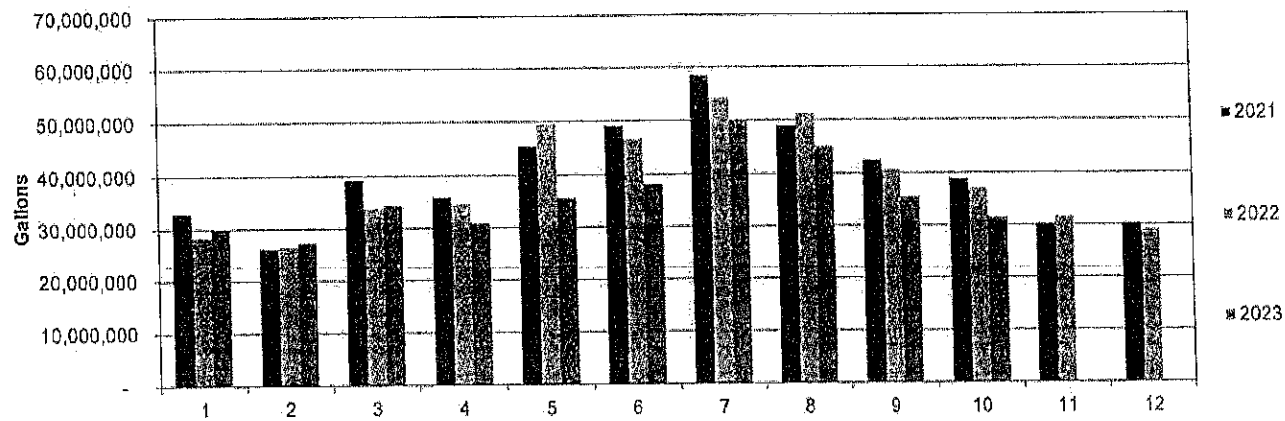
<u>2022</u>	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	1.7	23,599,000	83%	4,824,000	17%	28,423,000	100%
February	3.8	21,853,000	83%	4,610,000	17%	26,463,000	100%
March	5.2	28,266,000	83%	5,657,000	17%	33,923,000	100%
April	6.3	28,580,000	82%	6,088,000	18%	34,668,000	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%
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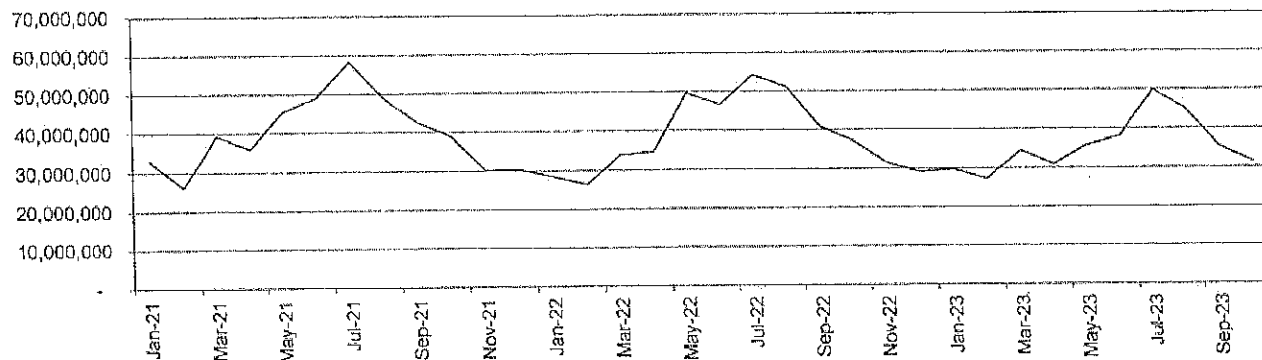
<u>2023</u>	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	2.8	25,972,000	87%	3,812,000	13%	29,784,000	100%
February	3.9	23,448,000	86%	3,820,000	14%	27,268,000	100%
March	6.2	29,920,000	87%	4,559,000	13%	34,479,000	100%
April	1.3	26,903,000	87%	4,085,000	13%	30,988,000	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							
December							

58.3	303,861,000	85%	54,592,000	15%	358,453,000	100%
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Monthly Influent Flow
Figure 3A

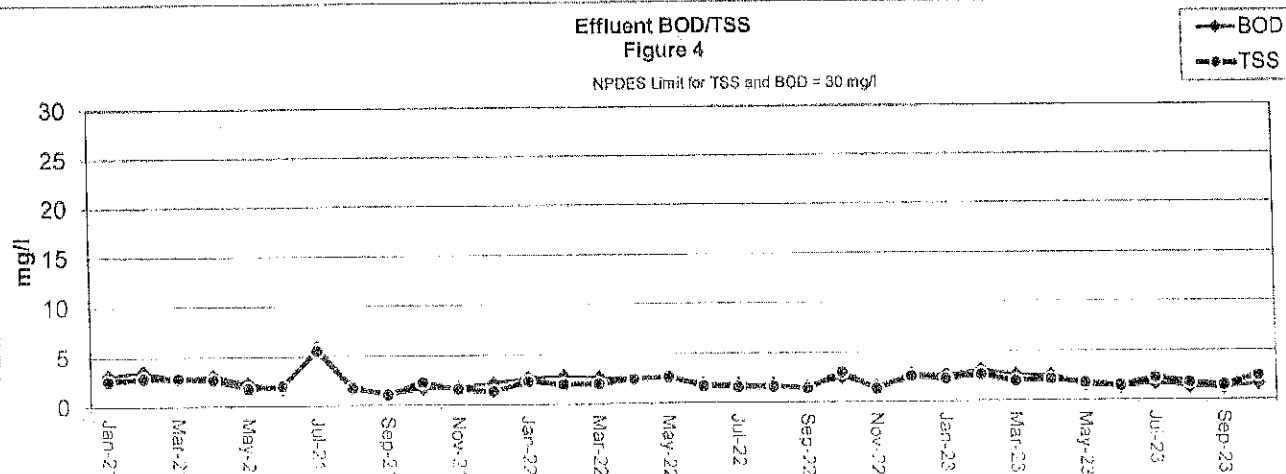


Monthly Influent Flow
Figure 3B



Effluent BOD/TSS
Figure 4

NPDES Limit for TSS and BOD = 30 mg/l

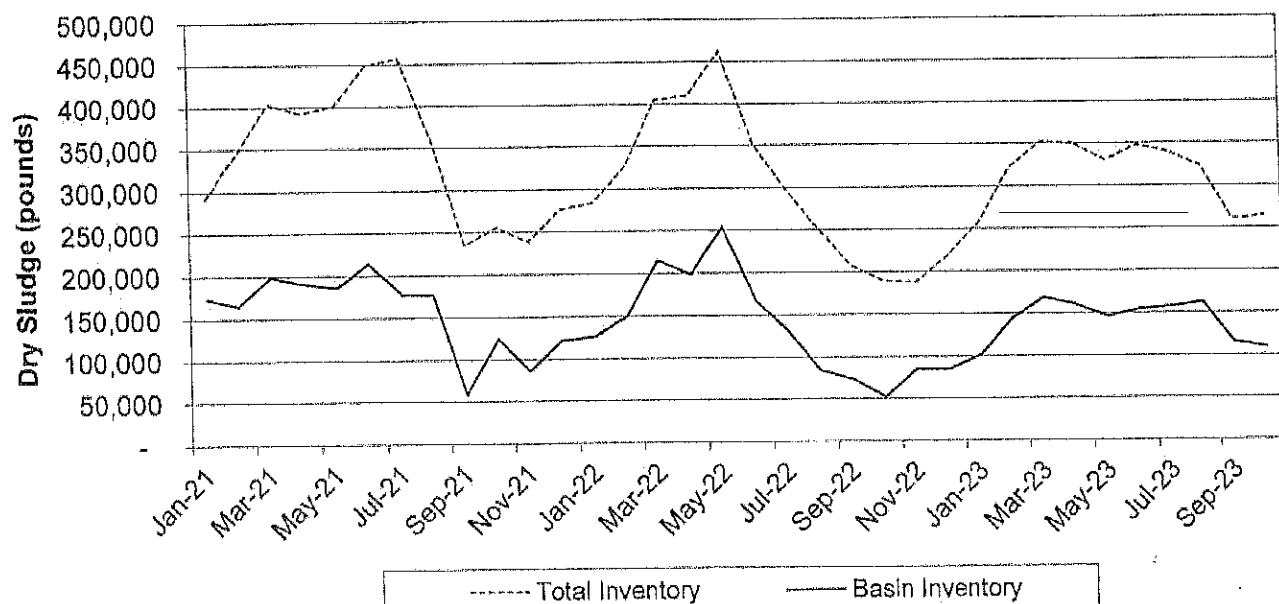


Date	Time	Gallons	Hauled Sludge			Annual Cumulative # Dry
			# Dry	% Solids		
11/11/11	0		0	4.4%		
11/11/11	0		0	4.4%		
11/11/11	0	46,100	28,883	4.1%		28,883
11/11/11	0	144,300	45,289	3.8%		74,152
11/11/11	0		0	3.6%		74,152
11/11/11	0		0	3.8%		74,152
11/11/11	0					
11/11/11	0	144,300	47,378	3.9%		121,530
11/11/11	0	540,800	196,383	3.6%		287,893
11/11/11	0	391,200	87,226	3.2%		375,119
11/11/11	0	61,200	22,698	4.4%		397,817
11/11/11	0	165,600	53,821	4.6%		461,438
11/11/11	0	57,600	24,139	5.0%		485,577
11/11/11	0		0	4.5%		
11/11/11	0		0	4.0%		
11/11/11	0		0	4.4%		
11/11/11	0	589,200	62,120	4.4%		62,120
11/11/11	0	57,600	21,017	4.4%		83,137
11/11/11	0	332,400	102,052	4.0%		185,189
11/11/11	0	285,000	88,961	3.7%		274,150
11/11/11	0	298,800	120,426	3.7%		394,576
11/11/11	0	163,600	54,073	3.5%		448,649
11/11/11	0	161,200	44,405	3.5%		493,054
11/11/11	0		0	3.5%		493,054
11/11/11	0	28,800	7,746	3.2%		500,800
11/11/11	0		0	3.2%		
11/11/11	0		0	3.2%		
11/11/11	0		0	3.2%		
11/11/11	0	447,000	129,223	3.7%		129,223
11/11/11	0	172,800	46,747	3.2%		175,970
11/11/11	0	208,600	65,362	3.8%		241,332
11/11/11	0	163,600	58,307	3.8%		299,639
11/11/11	0	106,400	63,587	3.8%		363,226
11/11/11	0	222,400	39,271	3.8%		422,497
11/11/11	0	34,200	11,124	3.9%		433,621

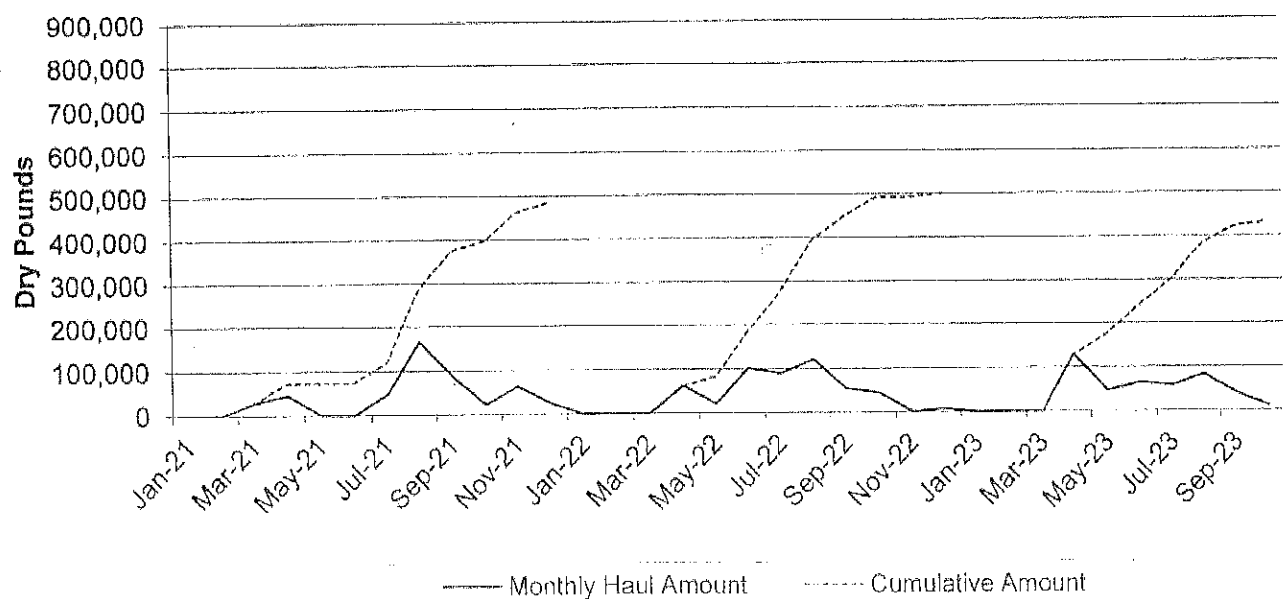
Basin Depths					# Dry
Tank #1	Tank #2	AB #1	Basin	Gallons	
7.0	3.5	0.0	472,500	173,389	
5.0	5.0	0.0	450,000	165,132	
6.0	7.0	0.0	585,000	198,549	
6.0	7.5	0.0	607,500	190,582	
6.0	7.0	0.0	585,000	185,399	
7.0	8.0	0.0	675,000	213,921	
5.0	7.0	0.0	540,000	177,668	
7.0	6.0	0.0	585,000	176,693	
2.0	3.0	0.0	225,000	59,257	
3.5	4.0	0.0	337,500	125,173	
3.0	2.0	0.0	225,000	86,442	
4.0	2.5	0.0	292,500	122,581	
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	
8.5	7.0	0.0	687,500	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	72,893	
1.0	3.0	0.0	180,000	52,883	
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	
6.5	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	148,084	
6.0	5.0	0.0	495,000	154,953	
5.0	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	

Blanket Depths			MLSS Inventory		Blanket and MLSS Inventory		MLSS		Total Dry		Accepted Septage	
Clarifier #1	Clarifier #2	Clarifier #3	MLSS AB #1	MLSS AB #2	Gallons	# Dry	% Solids	Sludge Inventory			Loads	Gallons
8.0	0.0	1.0	3,810	3,780	3,750,000	118,699	0.0038	292,077			83	205,500
5.0	8.0	0.0	5,490	5,750	3,830,908	179,558	0.00582	344,690			28	69,500
2.0	5.0	0.5	6,830	6,330	3,746,048	205,573	0.00658	404,122			32	70,000
12.0	5.0	1.0	6,890	5,350	3,845,382	201,375	0.00612	391,957			22	52,000
13.0	14.0	1.0	6,200	6,330	4,123,002	215,427	0.00627	400,825			48	128,500
6.0	7.5	2.0	7,260	8,060	3,926,643	234,903	0.00717	448,824			63	151,500
7.0	12.0	3.0	9,190	8,110	4,057,762	279,340	0.00823	457,007			117	289,000
1.0	1.0	0.5	6,160	5,840	3,857,238	183,008	0.0060	359,701			56	163,000
1.0	1.0	0.5	5,320	6,180	3,857,238	175,383	0.0058	355,554			34	80,000
1.0	0.5	0.5	4,430	4,140	3,648,357	130,381	0.0043	255,554			37	83,000
0.5	1.0	0.0	5,130	4,980	3,626,643	152,138	0.0050	238,580			27	62,000
1.0	1.0	0.0	4,540	5,630	3,635,524	154,179	0.0051	276,759			32	68,000
1.0	3.5	0.0	5,060	5,180	3,679,929	157,136	0.0051	283,800			13	27,000
4.0	1.5	0.0	5,280	5,030	3,697,691	174,393	0.0057	324,513			32	68,000
9.0	10.0	0.0	5,870	5,760	3,937,478	190,464	0.0058	405,135			23	48,000
10.0	10.0	1.0	7,100	5,600	3,998,668	211,765	0.0064	410,021			52	124,500
2.0	10.0	1.0	6,290	6,630	3,856,572	207,778	0.0065	462,281			37	85,000
4.5	0.5	1.5	5,760	6,010	3,753,952	184,247	0.0069	351,297			42	93,500
8.0	3.0	1.5	4,740	5,860	3,860,524	166,296	0.0052	298,348			33	68,500
1.5	1.0	0.5	5,490	5,420	3,666,119	166,789	0.0055	250,418			168	300,000
1.0	1.0	0.5	4,650	4,160	3,857,238	134,359	0.0044	207,251			76	168,000
0.5	0.5	0.5	4,590	4,390	3,639,476	136,286	0.0045	189,149			33	71,000
1.0	1.0	0.0	4,330	2,340	3,635,524	101,573	0.0034	186,954			38	89,500
1.5	1.5	0.0	4,510	4,270	3,653,286	133,756	0.0044	218,478			33	71,500
1.0	1.0	0.0	4,880	5,380	3,635,524	155,543	0.0051	257,625			35	74,500
2.0	2.0	0.0	6,060	5,570	3,671,048	177,862	0.0058	321,997			38	87,500
1.0	2.0	1.0	5,310	6,640	3,696,714	184,213	0.0060	352,347			50	115,500
1.0	1.0	1.0	5,200	6,170	3,678,952	189,771	0.0062	350,138			82	171,500
0.5	0.0	0.5	5,120	6,530	3,790,453	184,142	0.0058	330,226			49	102,500
1.5	4.0	0.5	6,020	6,440	3,719,405	193,254	0.0062	348,207			59	131,500
2.0	3.5	0.5	6,030	5,710	3,719,405	182,086	0.0059	339,287			61	120,500
1.0	1.0	0.5	5,600	4,910	3,657,238	160,285	0.0053	322,658			27	68,500
1.0	1.0	0.5	4,780	4,750	3,657,238	145,339	0.0048	280,842			84	164,000
0.5	0.5	0.5	4,530	5,660	3,639,476	164,650	0.0051	264,426			40	85,500

Sludge Inventory



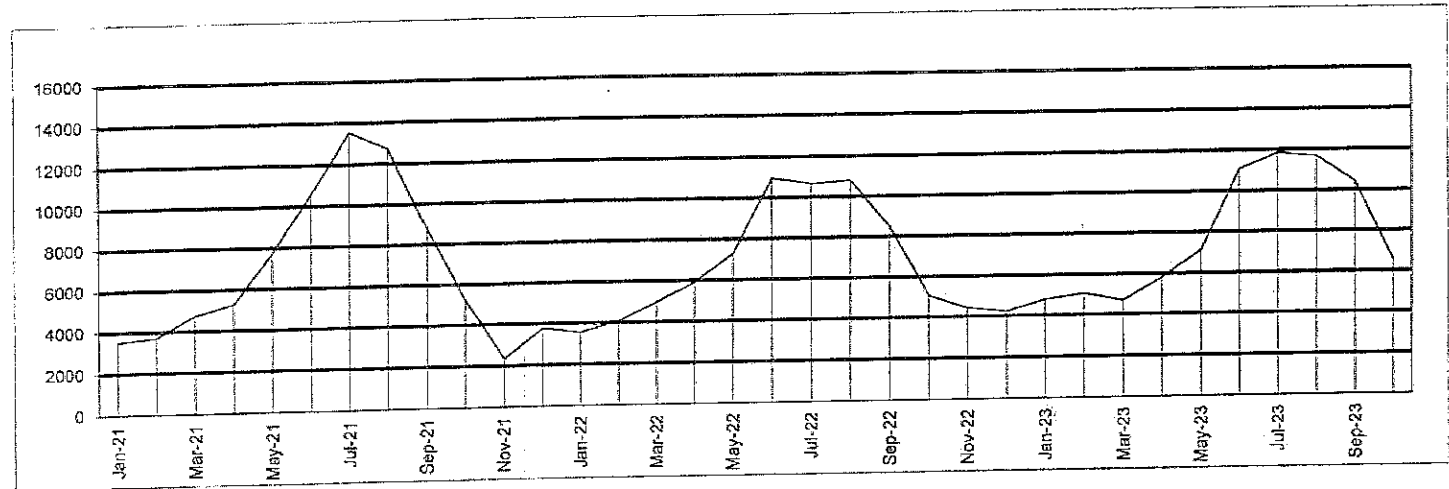
Hauled Sludge Summary



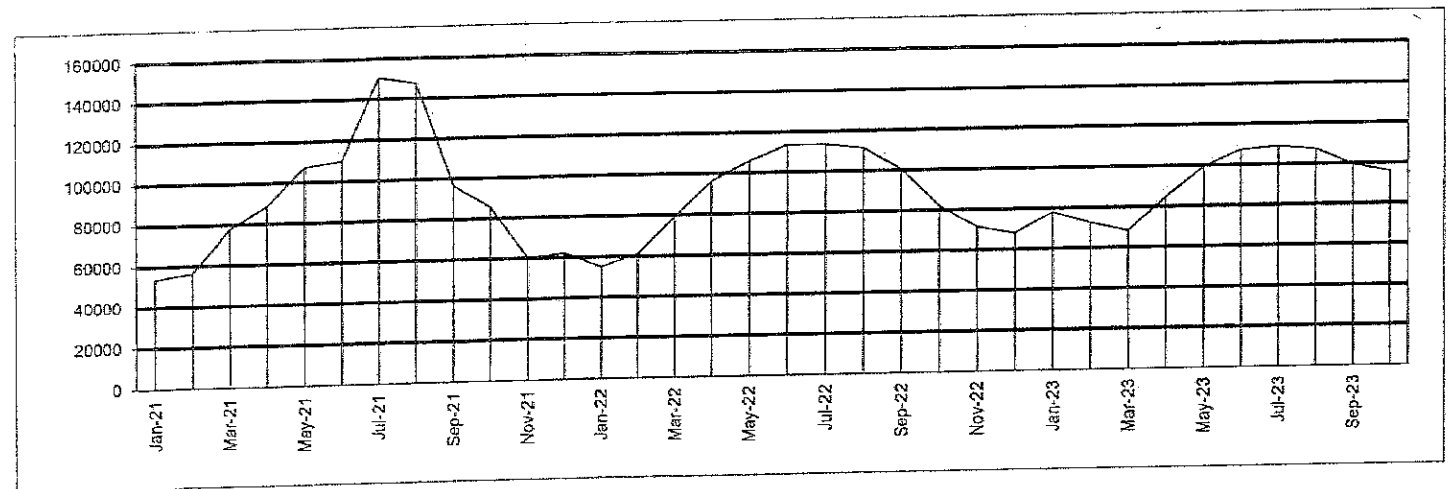
Electric Cost Kilowatts Used

Jan-21	3524	53,730
Feb-21	3696	56,370
Mar-21	4776	77,720
Apr-21	5281	88,390
May-21	7727	107,320
Jun-21	10610	110,130
Jul-21	13533	150,740
Aug-21	12737	147,810
Sep-21	8751	96,600
Oct-21	5233	85,530
Nov-21	2348	60,370
Dec-21	3776	62,100
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

Electric Cost



Kilowatts Used





**MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY**

Discharge Monitoring Report For Municipal Wastewater Treatment Plants

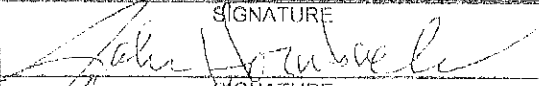
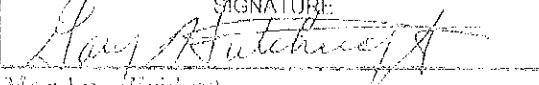
NAME OF FACILITY							LOCATION ADDRESS & CITY							COUNTY/REGION		
Lake of the Ozarks Regional WWTP #1							#3 Anderson Road							Miller/SWRO		
MONTH/YEAR		PERMIT NUMBER				OUTFALL NUMBER		TYPE TREATMENT FACILITY								
Oct-23		MO-0103241				#001		Oxidation Ditch/UV/Sludge Holding-sludge is land 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	7.0				22.0	1.146	7.6				8.8		21.8			
2	6.9				22.4	1.331	7.7				8.8	< 20	22.4			
3	7.1				22.3	1.312	7.8				8.8		22.2			
4	6.9			18.9	21.8	1.327	7.7			0.03	8.8		21.8			
5	7.0				22.4	1.410	7.7				8.8		22.2			
6	7.0	173	254		21.0	1.305	7.6	1.4	1.6		9.0		20.8	99.2	99.4	
7	7.0				18.8	1.319	7.6				9.3		18.7			
8	7.0				20.5	1.394	7.6				9.2		18.7			
9	7.0				20.5	1.175	7.6				9.3	<20	18.5			
10	7.1				18.7	1.222	7.6				9.6		18.7			
11	6.9			16.3	19.9	1.223	7.7			0.02	9.5		18.5			
12	7.5				20.3	1.264	8.1				9.3		18.7			
13	7.5	225	300		20.1	1.396	7.6	1.3	3.4		9.1		19.5	99.4	98.9	
14	7.0				19.7	1.305	7.7				9.6		18.3			
15	7.3				18.2	1.248	8.1				9.6		17.0			
16	7.4				18.5	1.144	7.6				9.6	< 20	17.4			
17	7.0				16.8	1.175	7.6				9.4		16.4			
18	7.1			35.2	18.4	1.146	7.6			0.10	9.7		16.8			
19	7.0				18.2	1.129	7.7				9.6		17.0			
20	7.1	188	194		18.1	1.141	7.6	2.1	2.6		9.7		16.4	98.9	98.7	
21	7.2				18.4	1.262	7.7				9.6		16.3			
22	7.1				17.9	1.229	7.7				9.7		16.0			
23	7.0				20.1	1.150	7.7				9.6	< 20	18.1			
24	6.9			28.3	20.2	1.105	7.6			0.04	9.4		18.7			
25	7.0				20.2	1.180	7.6				9.3		20.1			
26	6.9	200	274		20.1	1.183	7.6	1.7	2.2		9.2		20.0	99.2	99.2	
27	6.9				20.5	1.199	7.8				8.8		20.1			
28	7.0				18.3	1.215	7.8				9.3		17.1			
29	7.0				17.3	1.480	7.6				9.2		15.8			
30	7.0				17.2	1.426	7.8				10.1	< 20	16.2			
31	7.1				15.6	1.230	7.7				10.6		13.4			
Total						38.771										
Avg		197	256	24.7	19.5	1.251		1.6	2.5	0.05	9.4	10.0	18.5	99.2	99.0	
Min	6.9	173	194	16.3	15.6	1.105	7.6	1.3	1.6	0.02	8.8	< 20	13.4	98.9	98.7	
Max	7.5	225	300	35.2	22.4	1.480	8.1	2.1	3.4	0.10	10.6	< 20	22.4	99.4	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										
5										
6										
7										
8										
9										
10										
11	6.64	0.242	45.1	< 2.0	< 0.001	< 0.011	343	7.03	26.5	< 0.03
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
Total	6.64	0.242	45.1	< 2.0	< 0.001	< 0.011	343	7.03	26.5	< 0.03
Avg	6.64	0.242	45.1	< 2.0	< 0.001	< 0.011	343	7.03	26.5	< 0.03
Min	6.64	0.242	45.1	< 2.0	< 0.001	< 0.011	343	7.03	26.5	< 0.03
Max	6.64	0.242	45.1	< 2.0	< 0.001	< 0.011	343	7.03	26.5	< 0.03

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

DATE 23-Oct	SLUDGE DISP. LBS. DRY WEIGHT	#1 Aeration Basin, O-Ditch, Etc.				#2 Aeration Basin, O-Ditch, Etc.				*Weather Conditions		
		MIXED LIQUOR				MIXED LIQUOR				* 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		3.8	4,490	550	21.9	3.9	4,610	650	22.1	65	0	7:30
2	8,197	3.0	4,520	580	22.0	3.4	4,060	460	22.1	61	0	7:30
3	2,927	2.7	4,370	480	22.1	2.3	4,870	560	22.1	63	0	7:30
4		3.0	4,000	410	21.2	2.1	5,010	610	21.4	65	0.5	7:30
5		2.4	4,850	480	22.0	1.9	4,440	490	22.1	68	0.1	7:30
6		3.2	3,880	450	20.4	3.1	4,780	410	20.7	51	0	7:30
7		3.9	4,430	500	18.0	3.9	4,340	400	18.5	45	0	7:30
8		3.2	4,680	500	18.5	3.4	4,410	400	18.7	49	0	7:30
9		2.8	4,030	430	18.4	3.2	4,570	350	18.9	50	0	7:30
10		4.0	4,500	480	17.0	3.1	4,370	370	17.6	44	0	7:30
11		3.3	4,890	360	17.9	3.5	4,330	370	18.3	53	0	7:30
12		2.7	4,850	330	19.2	1.9	5,180	400	19.4	58	0	7:30
13		2.1	4,210	320	19.4	2.0	5,550	410	19.6	63	0.9	7:30
14		4.5	4,740	340	18.5	4.6	4,910	380	18.5	55	0	7:30
15		4.8	4,380	320	17.6	4.8	4,550	430	17.7	54	0	7:30
16		4.5	3,680	340	16.8	3.4	4,780	420	17.3	47	0	7:30
17		5.6	4,620	360	16.3	3.0	5,090	450	17.0	45	0	7:30
18		5.0	5,180	400	16.4	4.3	5,290	420	17.0	48	0	7:30
19		4.8	5,570	480	16.7	3.8	5,190	420	17.1	54	0	7:30
20		4.7	4,760	370	17.2	4.9	5,060	400	17.4	49	0	7:30
21		5.4	4,460	370	17.1	4.1	5,060	410	17.3	52	0	7:30
22		5.7	4,830	400	16.5	3.8	5,330	480	17.0	48	0	7:30
23		3.9	4,650	400	18.3	1.7	5,440	600	18.5	53	0	7:30
24		3.6	4,410	560	18.8	2.5	4,360	380	19.0	65	0	7:30
25		3.4	4,450	420	20.1	2.4	4,070	510	20.0	68	0	7:30
26		3.2	4,970	570	19.9	4.0	4,560	400	19.9	70	0	7:30
27		3.2	5,700	610	20.1	4.2	4,800	400	20.0	65	0	7:30
28		4.6	5,570	750	17.7	6.4	3,790	440	17.5	48	0	7:30
29		4.2	4,520	650	16.3	6.1	3,390	300	16.3	45	1.1	7:30
30		5.9	5,450	700	14.6	5.2	4,210	500	14.6	36	0.6	7:30
31		7.0	4,530	500	13.4	6.0	5,660	800	13.6	35	0	7:30

COMMENTS:

TESTS PERFORMED BY (PRINT) John Hornback	SIGNATURE 	PHONE # (573)365-0455	DATE 11/7/2023
REPORT APPROVED BY (PRINT) Gary Hutchcraft	SIGNATURE 	PHONE # (573)365-0455	DATE 11/7/2023
*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
MO0103241	001M
Monitoring Period	
10/1/23	10/31/23
NODI:	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
Flow, in conduit or thru treatment plant	*****	*****	*****	*****	1.480	1.251	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	*****	2.1	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)	*****	3.4	2.5	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)	6.64	*****	6.64	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)	0.242	*****	0.242	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)	45.1	*****	45.1	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 N)	45.1	*****	45.1	mg/L	*****	*****	*****
Mon. Location.: End of Pipe	Daily Max.:Monitoring Required	*****;*****	Monthly Avg.:Monitoring Required		*****;*****	*****;*****	
Sample Type: 24 Hour Composite							
Frequency: Monthly							

N)							
Mon. Location.: End of Pipe	Daily Max.:12.1	*****	Monthly Avg.:2.5		*****	*****	
Sample Type: 24 Hour Composite							
Frequency: Weekly							
pH	7.6	*****	8.1	SU	*****	*****	*****
Mon. Location.: End of Pipe	Minimum:6.0	*****	Maximum:9.0		*****	*****	
Sample Type: Grab							
Frequency: Weekly							
BOD, 5-day, percent removal	*****	*****	98.9	%	*****	*****	*****
Mon. Location.: End of Pipe	*****	*****	Monthly Avg.		*****	*****	
Sample Type: Calculated			Min.:85				
Frequency: Monthly							
Suspended Solids, percent removal	*****	*****	98.7	%	*****	*****	*****
Mon. Location.: End of Pipe	*****	*****	Monthly Avg.		*****	*****	
Sample Type: Calculated			Min.:85				
Frequency: Monthly							
Comments:							

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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	INFIM
Monitoring Period	
10/1/23	10/31/23
NODI:	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements			Unit
BOD, 5-day, 20 deg. C	*****	*****	197	mg/L	*****	*****	*****	
Mon. Location.: Influent	*****;*****	*****;*****	Monthly Avg.:Monitoring Required		*****;*****	*****;*****		
Sample Type: 24 Hour Composite								
Frequency: Monthly								
Total Suspended Solids (TSS)	*****	*****	256	mg/L	*****	*****	*****	
Mon. Location.: Influent	*****;*****	*****;*****	Monthly Avg.:Monitoring Required		*****;*****	*****;*****		
Sample Type: 24 Hour Composite								
Frequency: Monthly								
Nitrogen, ammonia total (as N)	35.2	*****	24.7	mg/L	*****	*****	*****	
Mon. Location.: Influent	Daily Max.:Monitoring Required	*****;*****	Monthly Avg.:Monitoring Required		*****;*****	*****;*****		
Sample Type: 24 Hour Composite								
Frequency: Monthly								
Phosphorus, total (as P)	7.03	*****	7.03	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)	26.5	*****	26.5	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)	<0.03	*****	<0.03	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 Hitecraft	Submission Date November 7, 2023	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)

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

Permit Number	Outfall Number
MO0103241	001Q
Monitoring Period	
10/1/23	12/31/23
NOI:	*****

[illegible]

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
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Jefferson City, MO, 65102

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eSignature Gary Hutchcraft	Submission Date November 7, 2023	User Phone Number (573)365-0455
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LAKE OPAHOSAGE BEACH WYTF
Construction Report

Page 1 of 1

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^aThe following are abbreviations: R = resin; P = polymer; G = glass; C = carbon; F = fiber; E = epoxy; D = dielectric.

Prepared by _____ Unit No. _____

Approved by: _____

June

1997