

**OSAGE BEACH / LAKE OZARK
JOINT SEWER BOARD MEETING
AGENDA**

**May 16, 2023 @ 4:00 p.m.
LAKE OZARK CITY HALL**

1. CALL TO ORDER

2. ROLL CALL

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

3. MINUTES

Regular Meeting: April 18, 2023 3-4

4. REPORTS

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Revenue Budget Analysis	12
Expenditure Budget Analysis	13
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5. ALLIANCE REPORT OF OPERATIONS 15-34

6. APPROVAL OF FEBRUARY FLOW CHARTS

7. OLD BUSINESS

- A. Board Representative Update
- B. Review of RAS basement painting bids 35
- C. Discussion regarding bylaws

8. NEW BUSINESS

- A. Election of officers

9. ADDITIONAL DISCUSSION ITEMS

10. ADJOURNMENT

THE NEXT MEETING WILL BE JUNE 20TH , 4:00 PM @ LAKE OZARK CITY HALL

LAKE OZARK-OSAGE BEACH JOINT SEWER BOARD

Meeting Minutes – April 18th, 2023

CALL TO ORDER:

Mayor Newberry called the meeting to order at 4:00 pm on Tuesday, April 18th, at Lake Ozark City Hall.

ROLL CALL:

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

MINUTES:

Administrator, Fry motioned to approve the meeting minutes from March 21st, 2023. His motion was seconded Alderman, Thompson and passed unanimously.

REPORTS:

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

A motion was made by Alderman Thompson to approve the Bills List, Revenue Budget Analysis, Expenditure Budget Analysis, and the Income & Expense Summary. Her motion was seconded by Administrator Woods and was passed unanimously.

ALLIANCE REPORT OF OPERATIONS:

Alliance Report of Operations: The average daily incoming flow for March was 1.112 mgd. We had 6.2 inches of precipitation measured at the WWTP.

Operationally, the plant's discharge was excellent, with an effluent monthly average BOD and TSS of 2.7 mg/l and 2.1 mg/l respectively for March which represents a 99.0 + % or better removal.

The MLSS average for both aeration basins were 5,793 mg/l. The total dry weight sludge inventory totaled 352,347 pounds. 50 loads of septage or 115,500 gallons were received.

APPROVAL OF FLOW CHART:

Mayor Harmison motioned to approve the March flow chart. The motion was seconded by Alderman Thompson and was unanimously approved.

OLD BUSINESS:

- A. Board Representative Update. Nothing to report at this time.

NEW BUSINESS:

- A. Discussion regarding pre-approval of bid for painting of the RAS basement. After discussion Alderman Rucker motioned to approve the request of pre-approval of the bid opening on the condition that it be brought back before the Board at the next meeting. His motion was seconded by Mr. Hamner and was then unanimously approved.

ADDITIONAL DISCUSSION ITEMS:

Mr. Hamner noted that he had spent some time at the plant and that everything appeared to be operating very well.

Updating the bylaws were also discussed at length. This item will be brought back to the Board at the next meeting. Administrator Woods asked that any questions or comments be emailed to her.

ADJOURNMENT:

With no further business to discuss, a motion was made by Administrator Woods to adjourn. Her motion was seconded by Manager Crooks. The meeting adjourned at 4:33 pm.

Approved:

Dennis Newberry, Mayor

Robin Craig, Clerk

JOINT SEWER BOARD
BILL LIST
MAY 16, 2023

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:	\$ 1,600.59
OPERATING FUND BILLS TO BE PAID:	\$ 45,145.41
EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:	\$ -
EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:	\$ 20,456.10

TOTAL \$ 67,202.10

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:

Account	Paid To:	Description:	Amount:
4020	Grainger	Pista Grit Pressure Pump	\$ 424.43
4020	O'Reilly	RAS Basement Exhaust	\$ 25.74
4020	O'Reilly	Electrical Grease & Contact	\$ 23.98
4020	Red Valve Company	Replace Bladder Pista Grit	\$ 854.49
4020	Lake Sun Leader	Ad to Bid RAS Basement Paint Pro	\$ 271.96
TOTAL			\$ 1,600.59

OPERATING FUND BILLS TO BE PAID:

Account	Paid To:	Description:	Amount:
4000	Equipment Replacement Fund	Payment into ER Fund	\$ 5,000.00
4020	Catalyst Electric	Service Aerator #3 Main Disconnect	\$ 140.00
4020	Catalyst Electric	Service Aerator #3 Replace Switch	\$ 300.00
4020	CED	Replacement/Spare 3 Phase Monitors	\$ 300.50
4020	CED	Replacement 100 AMP fuses for aerator	\$ 280.00
4020	Core & Main	HTH for Cleaning Clarifiers	\$ 460.08
4020	Majestic Franchising Inc.	May	\$ 275.00
4020	M/C QuickBooks	Accounting Software	\$ 30.00
4020	M/C Radwell Inter. LLC	Replace & Spare Aerator Main Disc.	\$ 1,194.85
4020	Martin Energy Group	Bi-Annual Main Generator	\$ 370.00
4020	Menards	Yard and Build Supplies	\$ 243.86
4020	Menards	Epoxy, scrub pads	\$ 18.01
4020	USA Blue Book	Fitting for Trk unload station	\$ 156.90
4150	Clark Tire Co.	Replaced Tire on the Sludge Trk	\$ 189.45
4150	Dennis Oil Co.	Hydraulic Oil for Sludge Trk	\$ 113.14
4150	Tri State Truck Center	Oil Chg & Service Sludge Trk	\$ 629.75
4170	Alliance Water Resources, Inc.	May	\$ 29,466.00
4175	Ameren MO	11673321	\$ 5,669.77
4175	Ameren MO	98041275	\$ 130.87
4176	AT&T	May	\$ 103.64
4176	Republic	May	\$ 73.59
TOTAL			\$ 45,145.41

EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:

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

EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:

Account	Paid To:	Description:	Amount:
4000	Municipal Equipment	Replacement Flow Meters	\$ 20,339.15
4000	USA Blue Book	Replace Cert. Thermometer	\$ 116.95

TOTAL \$ 20,456.10

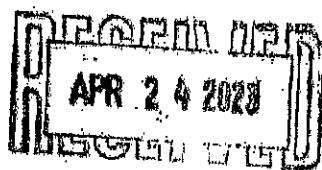


Radwell International LLC
1 MILLENNIUM DR
WILLINGBORO NJ 08046
US
Phone: 800-332-4336

Invoice

Invoice No.	33539375
Invoice Date	4/19/2023
Customer #	1596620
Taker	Allison Lokan
Ext	1291
Email	alokan@radwell.com
PO No	CC GARY 4/19

Page 1 of 2



Bill To
JOINT SEWER BOARD
PO BOX 1985
LAKE OZARK MO 65049
US

Ship To
JOINT SEWER BOARD
3 Anderson Rd
Lake Ozark MO 65049
US

Ordered By GARY HUTCHCRAFT

Order No	Order Date	Ship Date	Delivery method	Payment Terms	Payment Due Date	Discount Due Date	Discount Amount	
15500315	4/19/2023	4/19/2023	UPS Ground	CREDIT CARD	4/19/2023	4/19/2023	0.00	
Quantities		Manufacturer, Part Number, Item Description			Condition	UOM	Unit Price	Ext. Price
Order	Ship							

Carrier UPS Ground Tracking # 1Z0919390326613047

1.0000	1.0000	SCHNEIDER ELECTRIC HU1003MC	RISCN1	EA	721.00	721.00
DISCONNECT SWITCH, MOTOR CONTROL MCC4 Radwell Independent Supply Chain New Level 1 ***Radwell 2 Year Warranty***						
1.0000	1.0000	SCHNEIDER ELECTRIC HU1003MC	RQAUS1	EA	433.00	433.00
DISCONNECT SWITCH, MOTOR CONTROL MCC4 Radwell Quality Assurance Used Surplus Level 1 ***Radwell 2 Year Warranty***						
1.0000	1.0000	PACKAGING AND HANDLING	OCI - Order Based	EA	15.00	15.00
SUPPLY CHAIN FEE - Due to supply chain surcharges, this fee will be applied to all orders.						

Card: GARY HUTCHCRAFT

Account Number: XXXXXXXXXXXXXXX0997

Authorization Number: 01649C

Reference Number: 6819376054886801504049

Authorization Amount: 1,194.85

Amount Applied To Invoice: 1,194.85

REPLACEMENT + SPARE AERATOR
MAIN DISCONNECT
GL Acct#: 4020
Signature: *[Signature]* PD. W
Date: 4/24/23 JEB, CC

Total Lines 3		Sub-total	1,169.00
Total Freight In: 0.00	Total Freight Out: 25.85	Total Freight:	25.85
		TAX:	0.00
		CREDIT CARD:	1,194.85

ORIGINAL





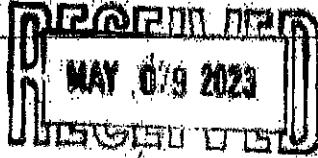
- Pay by phone: 1.800.288.3729
- Pay by mail: PO Box 88088, Chicago, IL 60680-1088
- Pay online or manage your account: AmerenMissouri.com
- Customer Service: 1.877.428.3786

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Account Number 4680006832
Customer Name ALLIANCE WATER RESOURCES INC
Service Address 3 ANDERSON RD, -
LAKE OZARK, MO 65049

Current Total for Statement 05/09/2023

Total Electric Charges \$5,669.77
Total Amount Due \$5,669.77



AMOUNT DUE \$5,669.77

Due Date 05/31/2023

Amount After Due Date \$5,726.47

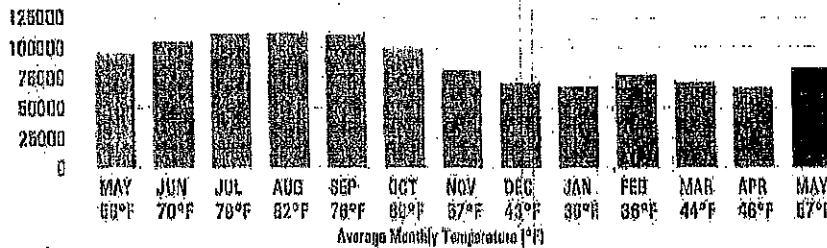
Previous Statement \$4,659.01

Total Payments \$4,659.01

Payment Received (Thank You)

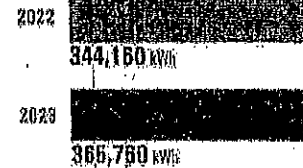
Electric Usage History

Electric Usage in Kilowatt Hours (kWh)



Electric Usage Summary (kWh)

So far this year, you're using 6.3% more than last year.



Usage from Jan-May for 2022 & 2023

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#: 46175

Signature: [Signature]

Date: 5/9/23

» See next page for service details.

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Page 1 of 4

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Amount Due	Due Date
\$5,669.77	May 31, 2023
Delinquent Amount After Due Date	Account Number
\$5,726.47	4680006832

Amount Enclosed \$

>002679 2205744 0001 078139 10Z

ALLIANCE WATER RESOURCES INC
PO BOX 1988
LAKE OZARK, MO 65049-1988

AMEREN MISSOURI
PO BOX 88088
CHICAGO IL 60680-1088

60600000 0045800058302 000005669770 000005669770



- Pay by phone: 1.800.268.3729
- Pay by mail: PO Box 8888, Chicago, IL 60680-1088
- Pay online or manage your account: AmerenMissouri.com
- Customer Service: 1.877.426.3736

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Electric Service Details Service from 04/06/2023 - 05/07/2023 (31 days)

Electric Meter Read

METER NUMBER	SERVICE FROM - TO	NO. DAYS	USAGE TYPE	READING TYPE	CURRENT READING	PREVIOUS READING	READING DIFFERENCE	MULTIPLIER	USAGE
11873321	04/06 - 05/07	31	Total kWh	Actual	78280.0000	76710.0000	1570.0000	100.0000	83200.0000
11873321	04/06 - 05/07	31	Peak kW	Actual	178.0000	164.0000	14.0000	100.0000	178.0000

Usage Summary

Total kWh	83200.0000	Non-Summer kWh	83200.0000
Peak kW	178.0000	Billing Demand	178.0000
Total Billing Demand	178.0000	October Winter Base kW	164.0000
Winter Base Demand	164.0000	Base kWh Ratio	0.9218
Base kWh (HUD)	76677.0000	Seasonal kWh (HUD)	6523.0000

Rate 3M Large General Service

DESCRIPTION	USAGE	UNIT	RATE	CHARGE
Seasonal Energy Charge	8,623.00	kWh	@ \$ 0.03870000	\$262.44
Summer Demand Charge	178.80	kW	@ \$ 0.00000000	\$0.00
Winter Demand Charge	178.80	kW	@ \$ 2.18000000	\$389.36
Energy Charge/Hours Used	0.00	kWh	@ \$ 0.10540000	\$0.00
Base Energy Charge / Hours Used	24,890.00	kWh	@ \$ 0.06620000	\$1,634.48
Base Energy Charge / Hours Used	32,920.00	kWh	@ \$ 0.04920000	\$1,619.66
Base Energy Charge / Hours Used	19,067.00	kWh	@ \$ 0.03870000	\$737.89
Customer Charge				\$104.86
Fuel Adjustment Charge	83,200.00	kWh	@ \$ 0.00627000	\$521.66
Energy Efficiency Investment Charge	83,200.00	kWh	@ \$ 0.00467100	\$386.31
Renewable Energy Adjustment	83,200.00	kWh	@ \$ 0.00035000	\$29.12
Total Service Amount				\$5,669.77
Total Electric Charges				\$5,669.77

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

Page 2 of 4

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 Address _____
 City, State, Zip _____
 Phone Number _____

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PHONE
866.268.3729



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- Customer Service: 1.877.426.3738

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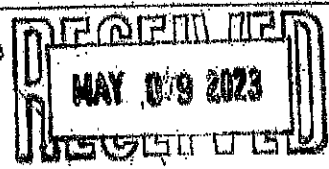
Account Number: 5580005920
Customer Name: ALLIANCE WATER RESOURCES INC
Service Address: 3 ANDERSON RD
LAKE OZARK, MO 65049

AMOUNT DUE \$130.87
Due Date 05/31/2023
Amount After Due Date \$132.18
Previous Statement \$170.93
Total Payments \$170.93
Payment Received Thank You

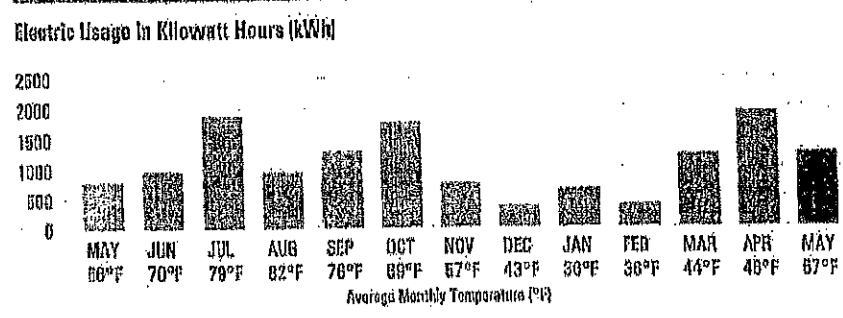
Current Date for Statement: 06/09/2023

Total Electric Charges \$130.87

Total Amount Due \$130.87



Electric Usage History



Electric Usage Summary (kWh)
So far this year, you're using **43.6% less** than last year.
2022: 9,650 kWh
2023: 5,400 kWh
Usage from Jan-May for 2022 & 2023

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: 5/9/23

See next page for service details.

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Amount Due	Due Date
\$130.87	May 31, 2023
Delinquent Amount After Due Date	Account Number
\$132.18	5580005920

Amount Enclosed \$

>002876 2205794 0001 092134 102

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

AMEREN MISSOURI
PO BOX 88088
CHICAGO IL 60680-1088

90633000 0055800059200 000000130870 000000130870



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- Customer Service: 1.877.426.3736

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Electric Service Details Service from 04/06/2023 - 05/07/2023 (31 days)

Electric Meter Read

METER NUMBER	SERVICE FROM - TO	NO. DAYS	USAGE TYPE	READING TYPE	CURRENT READING	PREVIOUS READING	READING DIFFERENCE	MULTIPLIER	USAGE
98041275	04/06 - 05/07	31	Total kWh	Actual	26910.0000	26785.0000	124.0000	10.0000	1240.0000
98041275	04/06 - 05/07	31	Peak kW	Actual	5.1370	0.0000	5.1370	10.0000	51.3700

Usage Summary

Total kWh	1240.0000	Non-Summer kWh	1240.0000
Winter Base kWh	1000.0000	Current Base kWh	1000.0000
Winter Cur Base kWh	1000.0000	Seasonal kWh	240.0000
Winter Seasonal kWh	240.0000		

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

Threshold - Peak Demand

DESCRIPTION	USAGE	UNIT	RATE	CHARGE
Base Energy Charge	1,000.00	kWh	@ \$ 0.08480000	\$84.80
Seasonal Energy Charge	240.00	kWh	@ \$ 0.04660000	\$11.71
Customer Charge				\$21.86
Fuel Adjustment Charge	1,240.00	kWh	@ \$ 0.00627000	\$7.77
Energy Efficiency Investment Charge	1,240.00	kWh	@ \$ 0.00346900	\$4.30
Renewable Energy Adjustment	1,240.00	kWh	@ \$ 0.00036000	\$0.43
			Total Service Amount	\$130.87
			Total Electric Charges	\$130.87

Payments Since Previous Statement

DATE RECEIVED	AMOUNT
April 24, 2023	\$170.83

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

Page 2 of 4

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 City, State, Zip _____
 Phone Number _____

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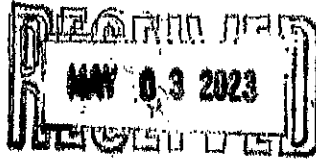
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CREDIT CARD



MAIL
STUB & CHECK



13625 LAKEFRONT DR.
EARTH CITY MO 63045
Phone: (314) 290-2999



Invoice	
Document No.	INV0024680
Date	4/12/2023
Page	1

Bill To:

LAKE OZARK JOINT SEWER BOARD
PO BOX 1985
LAKE OZARK MO 65049

End User:

Ship To:

LAKE REGION WWTP
PO BOX 1985
LAKE OZARK MO 65049

Purchase Order No.	Customer ID	Salesperson ID	Shipping Method	Payment Terms	Req Ship Date	Master No.
VERBAL / EMAIL	LAKREG	HOUS	BESTWAY	NET 30 DAYS	3/27/2023	6,244
Ordered	Shipped	Item Number	Description	Unit Price	Ext. Price	
2	2	OCF 6.1-A-1-A-1-D-1-100-1-A	OPEN CHANNEL FLOW METER W/ 100' SENSOR CABLE	\$0.00	\$0.00	
1	1	OCF 6.1-A-1-A-1-D-1-50-1-A	OPEN CHANNEL FLOW METER W/ 50' SENSOR CABLE	\$0.00	\$0.00	
2	2	OCF 6.1-1-A-1-A-1-D-1-A-1-A	OPEN CHANNEL FLOW METER 2/ 25' SENSOR CABLE	\$0.00	\$0.00	
2	2	SERVICE - DAY	INSTALLATION AND START UP	\$0.00	\$0.00	
1	1	TOTAL SALE		\$20,233.00	\$20,233.00	

REPLACEMENT FLOW METERS

Gl. Acct#: E/R

Signature: [Signature]

Date: 5/3/23

L87 20465 - LAKE OZARK JOINT SEWER BOARD -
GREYLINE METERS

Subtotal	\$20,233.00
Freight	\$108.15
Tax	\$0.00
Total	\$20,339.15

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

4/30/2023

Account Number	Account Name	2021 Actual	2022 Actual	2023 Budget	2023 Actual as of 4/30/2023	2023 April Revenue	Percent YTD
3020	Osage Beach	465,202.63	460,708.70	481,940.00	164,102.55	41,608.85	34%
3010	Lake Ozark	84,797.35	91,794.26	98,710.00	27,143.28	6,778.65	27%
3030	Misc.	22,000.00	1,094.92	0.00	0.00	0.00	0%
3100	Interest	2,700.22	2,462.35	2,500.00	2,058.04	683.93	82%
3060	Waste Haulers' Fee	60,520.00	49,490.00	56,000.00	21,860.00	8,375.00	39%
Total Operating Fund		635,220.20	605,550.23	639,150.00	215,163.87	57,446.43	34%
E/R Fund Income		5,508.47	3,588.63	4,000.00	3,446.61	1,205.49	86%
TOTAL INCOME		640,728.67	609,138.86	643,150.00	218,610.48	58,651.92	34%

MONTH-TO-DATE AND YEAR-TO-DATE
EXPENDITURE/BUDGET ANALYSIS
4/30/2023

Account Number	Account Name	2021 Actual	2022 Actual	2023 Budget	2023 Actual as of 4/30/2023	2023 April Expenses	Percent YTD
4000	Equipment Replace Fund	143,608.00	55,008.00	60,000.00	20,000.00	5,000.00	33%
4020	*Maintenance & Repair	104,853.81	60,030.11	93,500.00	21,654.30	3,986.09	23%
4140	Insurance	21,493.00	22,088.00	23,000.00	22,766.00	868.00	99%
4150	Vehicle Repair/Main	11,099.99	5,999.58	8,000.00	1,133.05	1,002.05	14%
4170	Contract Management	308,640.00	331,080.00	360,000.00	117,844.00	29,466.00	33%
4175	Electric	82,227.41	79,890.16	81,000.00	18,837.28	4,728.94	23%
4176	Utilities Misc.	3,528.17	3,694.18	5,000.00	2,406.56	264.40	48%
4190	Bank Charges	0.00	12.00	0.00	3.00	0.00	0%
4200	Audit	2,800.00	2,700.00	2,800.00	0.00	0.00	0%
4240	Capital Purchases	399.99	0.00	0.00	0.00	0.00	0%
	Totals	678,450.37	560,502.03	633,300.00	204,644.17	45,316.48	32%
	**E/R Expenses	202,161.70	11,093.28	103,000.00	76,606.44	75,426.28	74%
	TOTAL EXPENSES	880,612.07	571,595.29	736,300.00	281,250.61	0.00	38%

4020 DETAIL: Equip & Bldg. Repair/Main.

Auto Dialer Yrly Software Fee	500
Regular Maintenance	20,000
UV Bulbs, Quartz Sleeves, Misc	10,000
Painting RAS basement piping	30,000
Rock for road	3,000
Sandblasting & paint Clarifier #1	30,000

93,500.00

DETAIL: Equipment & Replacement

Replace wooden doors w/fibergl	3,000
Replace flow meter for the efflu	25,000
*Replace aerator gear box - new	75,000 X
	103,000.00

OPERATING FUND INCOME AND EXPENSE SUMMARY
4/30/2023

Beginning Balance	342,507.53
Income - Osage Beach	41,608.85
Income - Lake Ozark	6,778.65
Income - Other	-
Income - Waste Haulers' Fees	8,375.00
Interest - Checking	21.88
Income - CD Interest	662.05
Transfers From E/R Fund	-
Transfers To E/R Fund	(5,000.00)
Expenses	(40,316.48)
Ending Fund Balance	354,637.48
Central Bank - NOW Acct.	130,008.80
	-
CD First Bank of the Lake, 11/20/23 #8432	108,731.14
CD First Bank of the Lake, 10/22/23 #8433	115,897.54
	-
Outstanding Checks:	-
	354,637.48

EQUIPMENT REPLACEMENT FUND INCOME AND EXPENSE SUMMARY
4/30/2023

Beginning Balance	467,575.28
Interest - Checking	57.29
Income - CD Interest	1,148.20
Transfers From Operating Fund	5,000.00
Income - Miscellaneous	-
Expenses	(699.99)
Ending Fund Balance	473,080.78
First Bank of the Lake - Money Mkt.	90,530.93
CD First Bank of the Lake, 1/31/24 #8430	112,549.85
CD First Bank of the Lake, 5/07/24 #8434	270,000.00
	-
	-
Outstanding Checks:	-
	473,080.78

WATER RESOURCES®
Alliance
Professional Water and Wastewater Operations

**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 sound environmental responsibilities with improved technical operations, careful financial and financial oversight and assured regulatory compliance.

REPORT OF OPERATIONS

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

Month of April 2023

Submitted by Alliance Water Resources, Inc. for the

May 2023

Joint Sewer Board Meeting

Alliance Water
Resources,
Inc.

2015 S. Keene
St.
Columbia, MO
65201

(678) 744-0800

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 Coliform Colonies/100 ml	Ammonia as N mg/L	O&G mg/L
Monthly/Quarterly Avg	2.6	2.2	N/A	10.0	0.42	< 2.0
Peak Day	3.2	2.7	8.3	< 20	1.39	< 2.0
Percent Removal	98.9	99.3	N/A	N/A	N/A	N/A

NPDES EFFLUENT LIMITATIONS

	BOD mg/l	TSS mg/l	pH	E.coli Coliform Colonies/100 ml	Ammonia as N mg/L	O&G mg/L
Monthly/Quarterly Avg	30	30	6-9	126	3.1	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 1.033 MGD or 34% of Permitted flow with Lake Ozark contributing 13% of the total flow and Osage Beach contributing 87%. 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 60410 pounds of BOD.

BIOSOLIDS APPLICATION AND INVENTORY

Plant personnel land applied 116 tanker loads of bio-solids during the month equivalent to a total of 417,000 gallons and 129,223 pounds dry weight solids.

129,223 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 517,500 gallons with a level of 7.5 feet in Tank 1 and 4.0 feet in Tank 2.

WASTEHAULERS

The plant received 87 loads of septage during the month totaling 171,500 gallons.

WWTP OPERATIONS

- Decanting digesters and wasting weekly.
- Normal operations.

WWTP MAINTENANCE AND REPAIR

- We started using a new maintenance software called Maxpanda that is being paid for by Alliance due to getting a group discount. Alliance is using this in a lot of our other divisions, and it seems to be a lot more operator friendly/easier to use as far as monthly work order system in Allmax Antero software was and is a lot cheaper. It sends out emails to upper management when a work order is late to track each piece of equipment to make sure it is getting done in a timely manner.
- PMF was here on the 13th of April to start replacing the bolts on aerators two through five and finished on the 14th.
- We tried starting up aerator #3 on the 15th of April and it kept tripping the overload/reset. We troubleshooted it and found that one side of the main disconnect was bad. We called Catalyst Electric, and they came out on the 17th and confirmed that the disconnect was bad.
- Tri-State Truck was here on the 18th of April to service the sludge truck.
- We found a replacement disconnect switch for the aerator on the 19th of April and went ahead and ordered two so we would have a backup. We received the disconnect switches on the 24th and Catalyst Electric was here on the 27th to install one and got it back in service.
- Martin Energy Group came in on the 24th of April to do the semi-annual maintenance on the generator.
- PMF was here on the 28th of April to install the new gaskets on the skimmer trough of clarifier #1.

SAFETY

- We conducted our monthly Safety Meeting on Distracted Driving Prevention, Vehicle Backing Safety & Driver Safety: Hazardous Driving Conditions on the 18th of April.

REGULATORY AGENCY, INSPECTION AND REPORT

- We filled out the new EDMR on the EPA MoGEM website on the 9th of May.

MISCELLANEOUS AND RECOMMENDATIONS

- We had our bid opening for the RAS basement paint project on the 28th of April and only received two bids. I contacted Matt & Kevin and they both agreed to go with Tillman Painting. (See attached bid sheet)

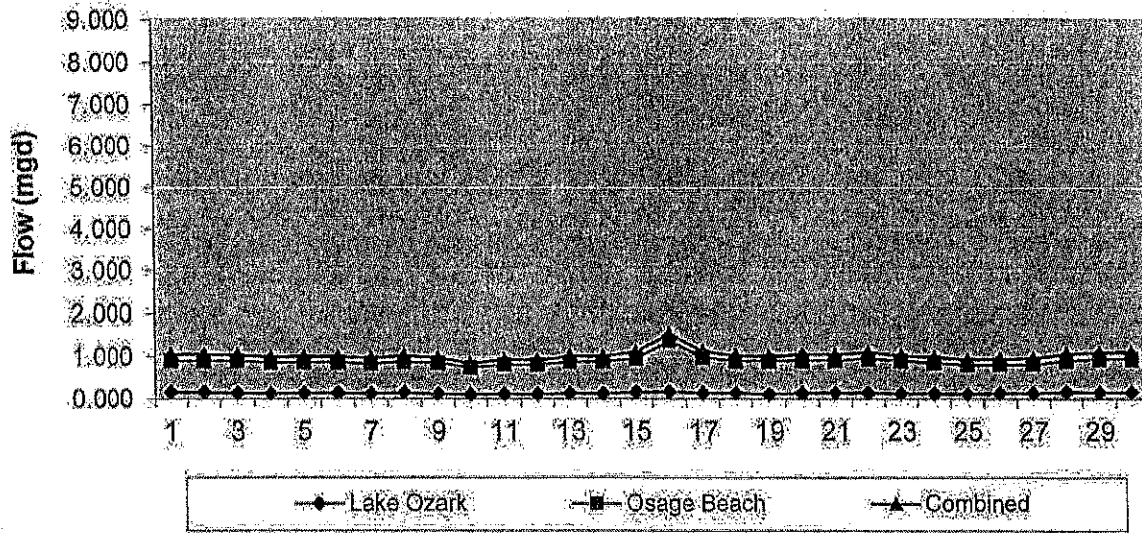
TABLE A
LAKE OZARK/OSAGE BEACH WWTP

MONTH OF April 2023

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-Apr	0	0.154	0.900	1.054	14.6	85.4						
2-Apr	0	0.154	0.899	1.053	14.6	85.4						
3-Apr	0.0	0.131	0.902	1.033	12.7	87.3						
4-Apr	0	0.121	0.857	0.978	12.4	87.6						
5-Apr	0.5	0.135	0.867	1.002	13.5	86.5						
6-Apr	0	0.135	0.862	0.997	13.5	86.5						
7-Apr	0	0.130	0.833	0.963	13.5	86.5	193	195	205	108	146	216
8-Apr	0	0.141	0.879	1.020	13.8	86.2						
9-Apr	0	0.115	0.852	0.967	11.9	88.1						
10-Apr	0	0.103	0.741	0.844	12.2	87.8						
11-Apr	0	0.118	0.811	0.929	12.7	87.3						
12-Apr	0	0.104	0.805	0.909	11.4	88.6						
13-Apr	0	0.137	0.876	1.013	13.5	86.5						
14-Apr	0	0.124	0.886	1.010	12.3	87.7	300	230	265	200	190	374
15-Apr	0	0.156	0.954	1.110	14.1	85.9						
16-Apr	0.8	0.172	1.366	1.538	11.2	88.8						
17-Apr	0	0.138	0.988	1.126	12.3	87.7						
18-Apr	0	0.143	0.890	1.033	13.8	86.2						
19-Apr	0	0.115	0.890	1.005	11.4	88.6						
20-Apr	0	0.144	0.913	1.057	13.6	86.4	213	205	200	172	188	226
21-Apr	0	0.141	0.915	1.056	13.4	86.6						
22-Apr	0	0.142	0.962	1.104	12.9	87.1						
23-Apr	0	0.130	0.902	1.032	12.6	87.4						
24-Apr	0	0.126	0.865	0.991	12.7	87.3						
25-Apr	0	0.122	0.814	0.936	13.0	87.0						
26-Apr	0	0.132	0.823	0.955	13.8	86.2						
27-Apr	0	0.139	0.827	0.966	14.4	85.6	280	215	265	256	206	442
28-Apr	0	0.167	0.911	1.078	15.5	84.5						
29-Apr	0	0.153	0.955	1.108	13.8	86.2						
30-Apr	0	0.163	0.958	1.121	14.5	85.5						
SUM	1.3	4.085	26.903	30.988								
AVG		0.136	0.897	1.033	13	87	247	211	234	184	183	315

NOTE: BOLD PRINT INDICATES WEEKEND DAYS

Daily Flow
Figure 1



Effect of Rainfall on Flow
Figure 2

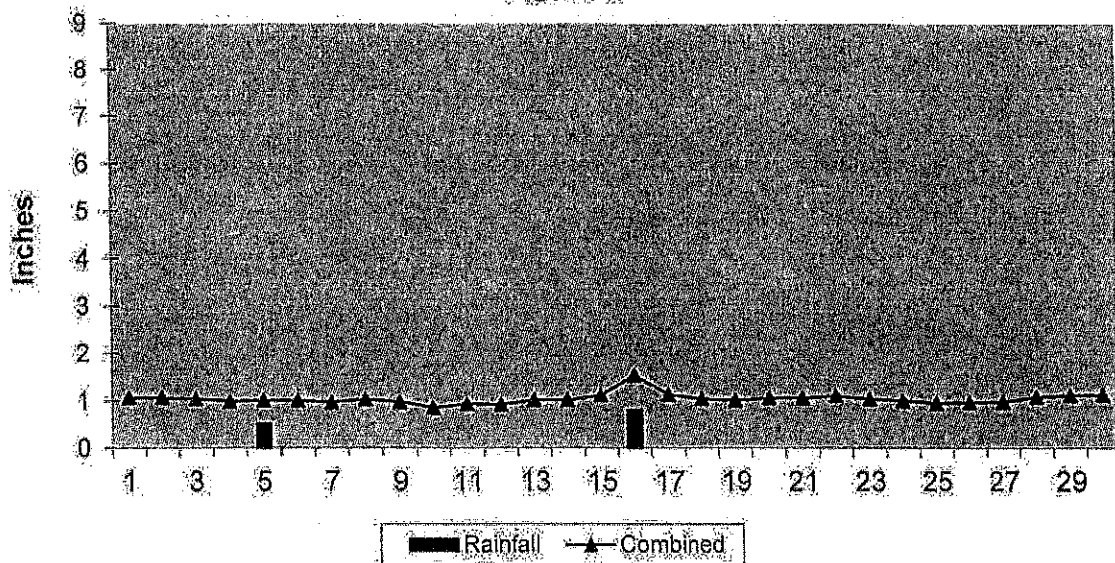
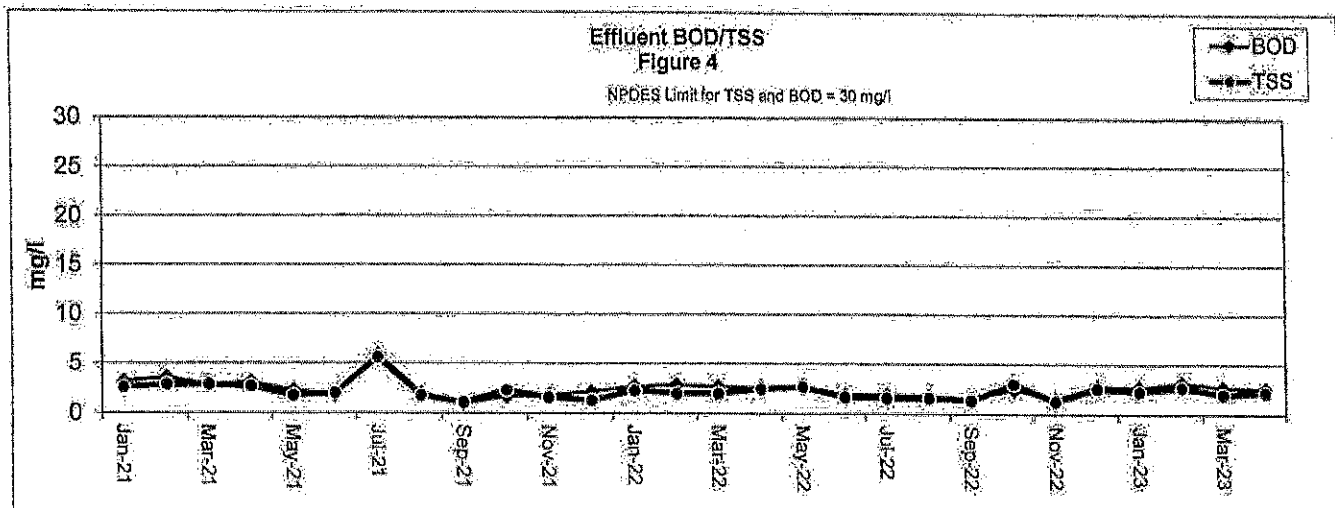
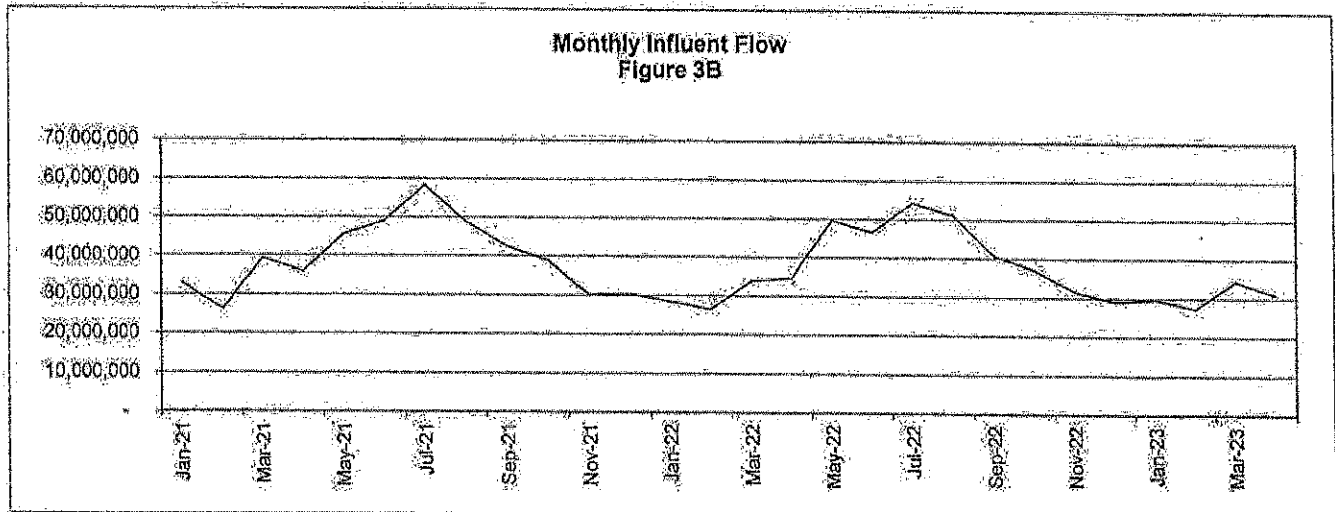
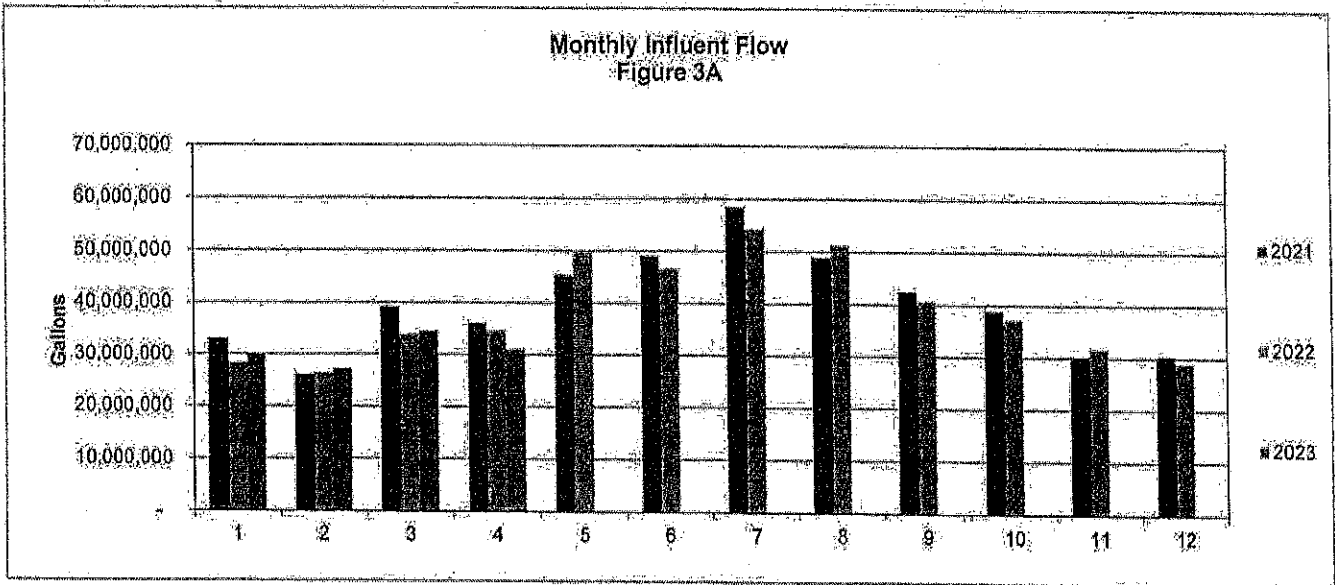


TABLE B
JOINT SEWER BOARD
Monthly Flows

2021	RAINFALL	OSAGE BEACH	LAKE OZARK	TOTAL	%
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%
2022	RAINFALL	OSAGE BEACH	LAKE OZARK	TOTAL	%
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	RAINFALL	OSAGE BEACH	LAKE OZARK	TOTAL	%
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					
June					
July					
August					
September					
October					
November					
December					
	14.2	106,243,000 87%	16,276,000 13%	122,519,000	100%

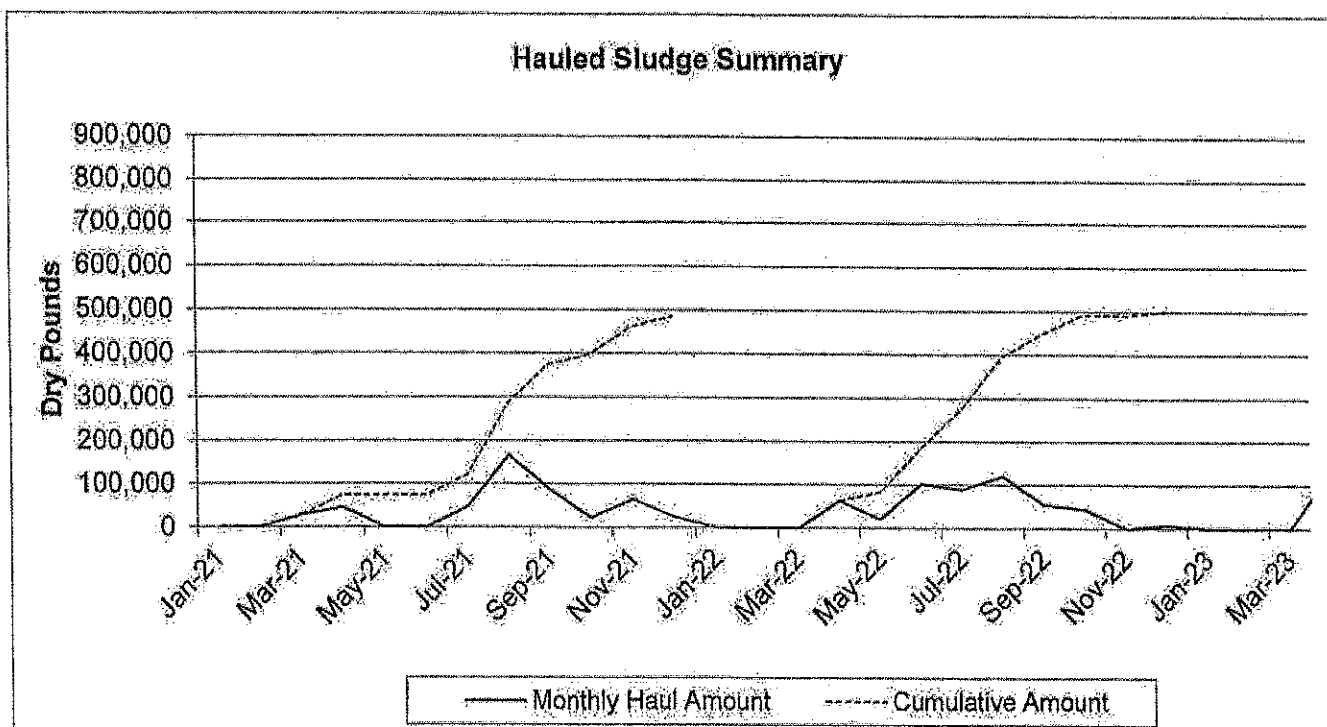
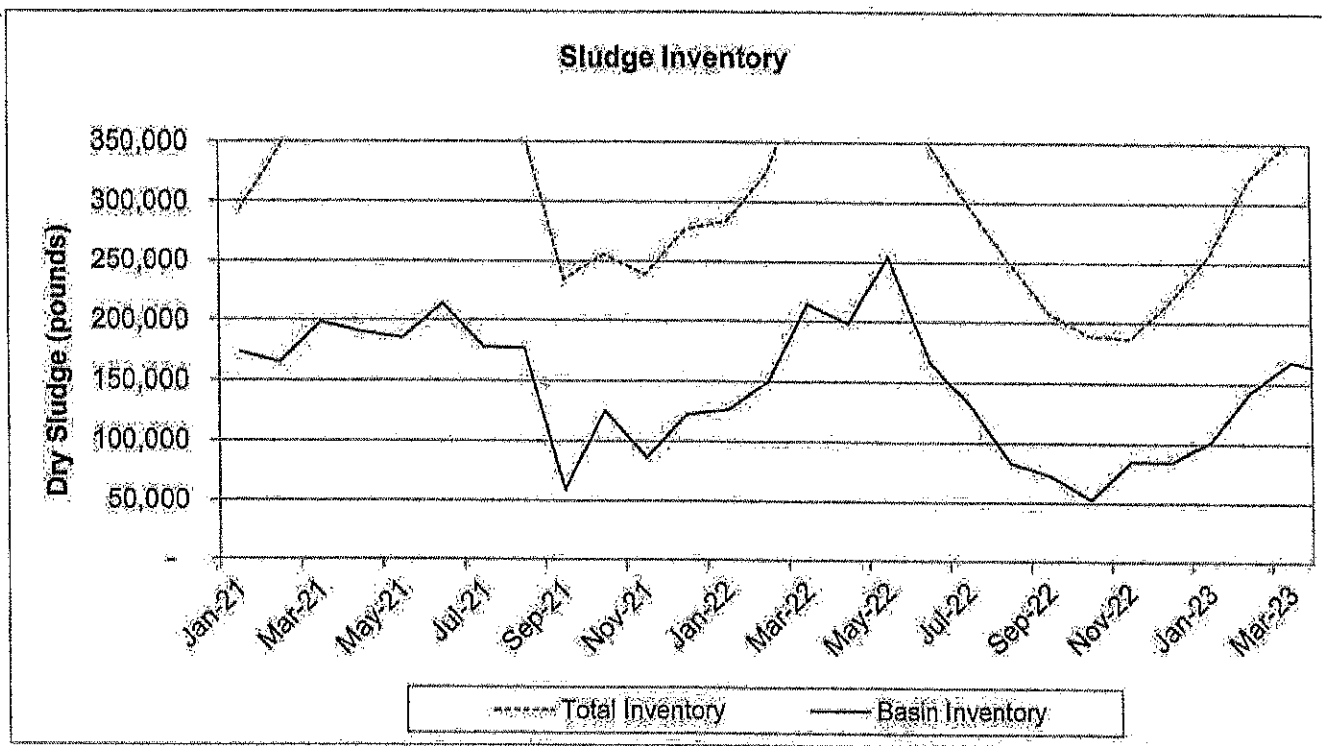


	Heated Sludge				
	Loads	Gallons	# Dry	% Solids	Annual Cumulative # Dry
Jan-21	0	-	0	4.4%	-
Feb-21	0	-	0	4.4%	-
Mar-21	123	85,100	28,883	4.1%	28,883
Apr-21	39	144,300	45,269	3.8%	74,152
May-21	0	-	0	3.8%	74,152
Jun-21	0	-	0	3.8%	74,152
Jul-21	40	144,000	47,378	3.9%	121,530
Aug-21	153	550,800	168,383	3.6%	287,993
Sep-21	92	331,200	87,226	3.2%	375,119
Oct-21	17	61,200	22,698	4.4%	397,817
Nov-21	46	165,600	63,621	4.6%	461,438
Dec-21	16	57,600	24,139	5.0%	485,577
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	15	57,600	21,017	4.4%	83,137
Jun-22	84	302,400	102,052	4.0%	185,189
Jul-22	80	288,000	88,961	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

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	185,398	
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	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	2.9	0.0	247,500	72,893	
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	
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	160,387	

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
6.0	0.0	1.0	3,810	3,780	3,750,000	118,689	0.0038	292,077
5.0	8.0	0.0	5,490	5,750	3,830,908	179,558	0.00562	344,690
2.0	5.0	0.5	6,830	6,330	3,748,048	205,573	0.00558	404,122
12.0	5.0	1.0	6,890	5,350	3,945,382	201,375	0.00612	391,957
13.0	14.0	1.0	6,200	6,330	4,123,002	215,427	0.00627	400,825
8.0	7.5	2.0	7,260	8,060	3,926,643	234,903	0.00717	448,824
7.0	12.0	3.0	9,190	8,110	4,067,762	279,340	0.00823	457,007
1.0	1.0	0.5	5,160	5,840	3,657,238	183,008	0.0060	359,701
1.0	1.0	0.5	5,320	6,180	3,657,238	175,383	0.0058	234,540
1.0	0.5	0.5	4,430	4,140	3,646,357	130,381	0.0043	255,554
0.5	1.0	0.0	5,130	4,980	3,626,843	152,138	0.0050	238,580
1.0	1.0	0.0	4,540	5,630	3,635,524	154,179	0.0051	275,759
1.0	3.5	0.0	5,060	5,180	3,679,929	157,136	0.0051	283,800
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	190,464	0.0058	405,135
10.0	10.0	1.0	7,100	5,800	3,998,668	211,765	0.0064	410,021
2.0	10.0	1.0	6,290	6,630	3,955,572	207,778	0.0069	462,281
4.5	0.5	1.5	5,760	6,010	3,753,952	184,247	0.0069	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	3,666,119	166,789	0.0058	250,418
1.0	1.0	0.5	4,650	4,160	3,657,238	134,359	0.0044	207,251
0.5	0.5	0.5	4,690	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	133,756	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	6,060	5,570	3,671,048	177,882	0.0058	321,997
1.0	2.0	1.0	5,310	6,640	3,698,714	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

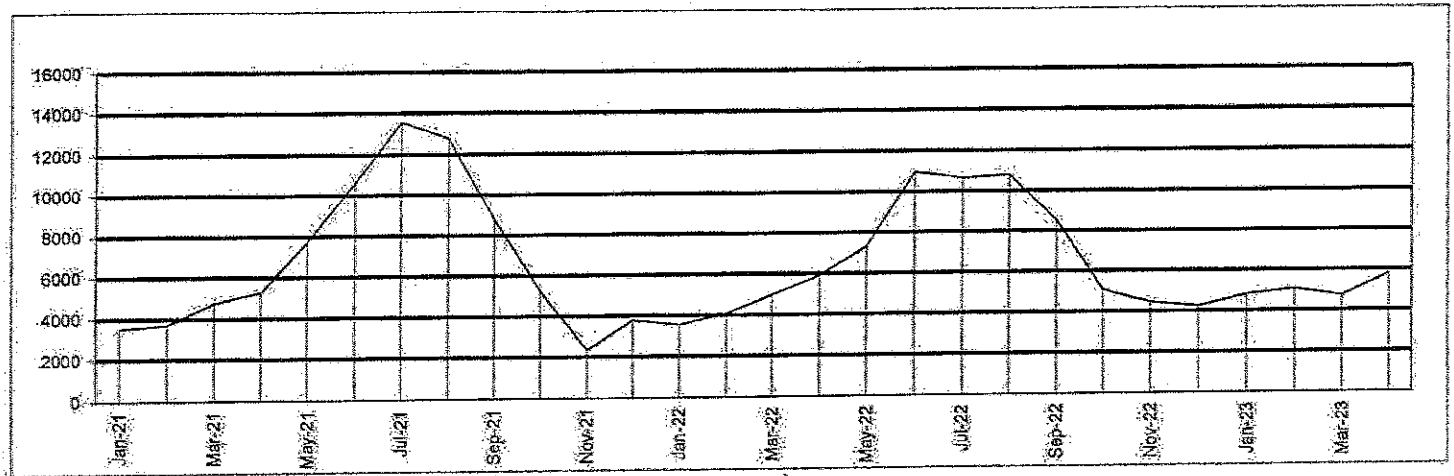
Accepted Septage	
Loads	Gallons
83	205,500
28	69,500
32	70,000
22	52,000
48	128,500
63	151,500
117	289,000
66	163,000
62	159,500
34	80,000
37	83,000
27	62,000
13	27,000
32	68,000
23	48,000
52	124,500
37	85,000
42	93,500
33	68,500
168	300,000
76	168,000
33	71,000
38	89,500
35	74,500
38	87,500
50	115,500
82	171,500



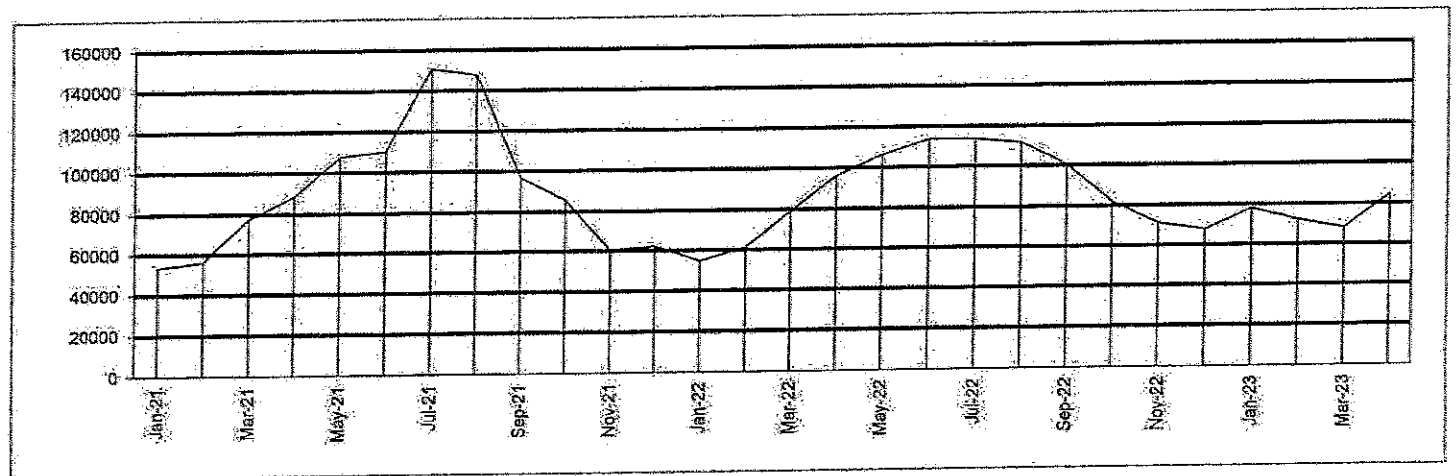
Electric Cost Kilowatts Used

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

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								
Apr-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	7.1				12.5	1.520	7.3				11.2		12.7			
2	7.1				12.5	1.551	7.7				10.4		12.0			
3	6.9				14.5	1.453	7.6				9.9	< 20	14.5			
4	7.4			23.0	13.7	1.360	8.1			0.13	10.1		17.0			
5	7.4				15.7	1.392	7.6				9.5		16.5			
6	7.8				14.1	1.423	8.3				10.2		15.0			
7	7.8	205	216		12.6	1.414	8.2	3.2	2.7		10.1		12.6	98.4	98.8	
8	7.8				14.3	1.467	8.3				10.2		14.2			
9	7.9				13.8	1.440	8.2				10.2		13.0			
10	7.0				16.4	1.281	7.4				9.9		16.0			
11	6.9				16.1	1.335	7.7				9.8	< 20	16.0			
12	6.9			24.0	15.5	1.269	7.6			0.14	9.7		16.1			
13	7.0				15.5	1.420	7.8				9.7		15.9			
14	7.0	265	374		16.0	1.440	7.7	2.7	2.4		9.4		16.6	99.0	99.4	
15	8.0				18.8	1.521	8.2				9.4		17.7			
16	7.0				15.2	2.032	7.6				9.5		15.6			
17	6.8				14.9	1.565	7.5				9.9		15.3			
18	7.0				15.3	1.356	7.6				9.6	< 20	15.5			
19	7.0			23.9	17.4	1.440	7.9			1.39	9.5		17.5			
20	7.0	200	226		17.5	1.406	7.7	2.4	1.5		9.3		17.9	98.8	99.3	
21	7.0				16.6	1.422	7.7				9.4		17.1			
22	7.9				14.5	1.460	8.1				10.0		15.0			
23	7.7				15.1	1.512	8.2				10.1		15.4			
24	7.7				13.6	1.433	8.2				10.1	< 20	13.6			
25	7.1				16.5	1.330	7.7				9.9		15.7			
26	7.0			16.2	15.6	1.282	7.6			0.01	9.9		15.3			
27	7.0	265	442		16.3	1.360	7.5	2.1	2.3		9.7		16.0	99.2	99.5	
28	7.0				16.5	1.384	7.7				9.5		16.2			
29	7.1				16.1	1.368	7.7				9.5		16.1			
30	7.1				15.5	1.485	7.7				9.7		15.3			
Total						43.121										
Avg		234	315	21.8	15.3	1.437		2.6	2.2	0.42	9.8	10.0	15.4	98.9	99.2	
Min	6.8	200	216	16.2	12.5	1.269	7.3	2.1	1.5	0.01	9.3	< 20	12.0	98.4	98.8	
Max	8.0	265	442	24.0	18.8	2.032	8.3	3.2	2.7	1.39	11.2	< 20	17.9	99.2	99.5	

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	3.2	<0.130	0.154	<2.0	<0.005	<0.011	310	6.0	47.9	0.082
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
Total	3.2	<0.130	0.154	<2.0	<0.005	<0.011	310	6.0	47.9	0.082
Avg	3.2	<0.130	0.154	<2.0	<0.005	<0.011	310	6.0	47.9	0.082
Min	3.2	<0.130	0.154	<2.0	<0.005	<0.011	310	6.0	47.9	0.082
Max	3.2	<0.130	0.154	<2.0	<0.005	<0.011	310	6.0	47.9	0.082

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

DATE APRIL	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	** MLSS	*Settleability		* DO	** MLSS	*Settleability				
				*30 min ml	Temp ° C			*30 min ml	Temp ° C			
		mg/l	mg/l			mg/l	mg/l					
1		1.8	5,680	730	12.8	1.6	6,080	770	12.7	42	0	7:30
2		1.9	5,910	750	13.0	1.9	5,650	750	12.7	33	0	7:30
3		1.4	5,420	750	14.7	1.6	5,710	750	14.6	50	0	7:30
4		1.3	5,920	690	17.2	1.3	6,100	740	16.9	68	0	7:30
5		1.5	5,970	760	16.7	1.3	6,360	840	16.6	65	0.5	7:30
6		2.1	6,070	740	15.6	2.1	6,140	750	15.6	40	0	7:30
7		1.2	6,220	800	14.3	2.0	6,180	800	14.6	37	0	7:30
8		1.4	6,390	800	15.0	2.0	6,100	800	14.9	40	0	7:30
9		1.3	6,240	860	14.5	2.1	6,300	800	14.6	44	0	7:30
10		1.2	6,290	820	16.1	1.1	6,590	850	16.2	51	0	7:30
11		1.4	5,730	760	16.8	1.2	6,780	840	16.4	51	0	7:30
12	9,848	1.3	5,990	800	16.2	1.2	6,280	810	16.2	51	0	7:30
13	16,003	1.4	5,240	800	16.2	1.2	6,500	800	16.3	51	0	7:30
14		1.3	6,390	810	16.8	1.3	6,410	830	16.6	51	0	7:30
15		1.0	6,750	820	17.9	1.1	6,450	820	17.9	64	0	7:30
16		1.0	6,800	850	15.5	1.1	6,580	860	15.8	48	0.8	7:30
17		1.1	6,960	880	15.2	1.1	6,760	850	15.0	49	0	7:30
18	18,255	1.6	6,940	850	15.6	1.4	7,020	860	15.7	48	0	7:30
19	10,538	2.1	6,290	800	17.3	1.1	7,460	880	17.1	62	0	7:30
20	12,550	1.3	6,520	800	18.3	1.3	7,320	850	18.1	70	0	7:30
21	11,409	1.2	6,850	830	17.2	1.2	7,110	850	17.1	46	0	7:30
22		2.0	7,070	860	16.1	2.2	6,660	830	16.3	47	0	7:30
23		2.3	7,090	840	15.8	3.0	6,720	820	15.7	37	0	7:30
24	9,187	3.4	6,990	850	14.4	4.0	6,830	820	14.8	38	0	7:30
25	12,610	2.6	7,110	820	16.2	2.4	7,210	850	16.1	45	0	7:30
26	12,250	3.3	6,760	850	14.8	2.4	7,370	880	15.1	50	0	7:30
27	8,407	1.4	6,530	820	16.1	1.4	6,710	850	16.1	56	0	7:30
28	8,167	0.9	6,920	850	16.6	1.8	6,300	780	16.7	53	0	7:30
29		1.4	6,070	800	16.2	1.5	5,960	800	16.3	54	0	7:30
30		1.3	6,200	860	15.6	1.5	6,170	800	15.7	50	0	7:30

COMMENTS:

TESTS PERFORMED BY (PRINT)	SIGNATURE	PHONE #	DATE
John Hornback		(573)365-0455	5/3/2023
REPORT APPROVED BY (PRINT)	SIGNATURE	PHONE #	DATE
Gary Hutchcraft		(573)365-0455	5/3/2023

*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	
4/1/23	4/30/23
NODE	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements			Unit
Flow, in conduit or thru treatment plant	*****	*****	*****	*****	2,032	1,437	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	*****	3.2	2.6	mg/L	*****	*****	*****	
Mon. Location: End of Pipe	*****	Weekly Avg.: 45	Monthly Avg.: 30		*****	*****		
Sample Type: 24 Hour Composite								
Frequency: Weekly								
Total Suspended Solids (TSS)	*****	2.7	2.2	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)	3.2	*****	3.2	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)	<0.13	*****	<0.13	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)	0.15	*****	0.15	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	1.39	*****	0.42	mg/L	*****	*****	*****	

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Department of Natural Resources
National Pollutant Discharge Elimination System (NPDES)
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Central Field Operations
P O Box 176
Jefferson City, MO, 65102

N)							
Mon. Location: End of Pipe	Daily Max.:Monitoring Required	*****	Monthly Avg.:Monitoring Required		*****	*****	
Sample Type: 24 Hour Composite							
Frequency: Weekly							
pH	7.3	*****	8.3	SU	*****	*****	*****
Mon. Location: End of Pipe	Minimum:6.0	*****	Maximum:9.0		*****	*****	
Sample Type: Grab							
Frequency: Weekly							
BOD, 5-day, percent removal	*****	*****	98.4	%	*****	*****	*****
Mon. Location: End of Pipe	*****	*****	Monthly Avg. Min.:85		*****	*****	
Sample Type: Calculated							
Frequency: Monthly							
Suspended Solids, percent removal	*****	*****	98.8	%	*****	*****	*****
Mon. Location: End of Pipe	*****	*****	Monthly Avg. Min.:85		*****	*****	
Sample Type: Calculated							
Frequency: Monthly							
Comments:							

Lake of the Ozarks Regional
WWTP 1
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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	1NFM
Monitoring Period	
9/1/23	4/30/23
NODE	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements			Unit
BOD, 5-day, 20 deg. C	*****	*****	234	mg/L	*****	*****	*****	*****
Mon. Location: Influent	*****	*****	Monthly Avg.: Monitoring Required		*****	*****	*****	
Sample Type: 24 Hour Composite Frequency: Monthly								
Total Suspended Solids (TSS)	*****	*****	315	mg/L	*****	*****	*****	*****
Mon. Location: Influent	*****	*****	Monthly Avg.: Monitoring Required		*****	*****	*****	
Sample Type: 24 Hour Composite Frequency: Monthly								
Nitrogen, ammonia total (as N)	24.0	*****	218	mg/L	*****	*****	*****	*****
Mon. Location: Influent	Daily Max.: Monitoring Required	*****	Monthly Avg.: Monitoring Required		*****	*****	*****	
Sample Type: 24 Hour Composite Frequency: Monthly								
Phosphorus, total (as P)	6.0	*****	6.0	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)	47.9	*****	47.9	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)	0.082	*****	0.082	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.

Signature Gary Hutchcraft	Submission Date May 9, 2023	User Phone Number (573)365-0455
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Lake of the Ozarks Regional
WASTP 1
83 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
MO06103241	001Q
Monitoring Period	
4/1/23	6/30/23
NODE:	格魯方克號

[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
P O Box 176
Jefferson City, MO, 65102

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eSignature Gary Hutchcraft	Submission Date May 9, 2023	User Phone Number (573)365-0455
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DATE APRIL 2023

27. *Asplenium platyneuron* (L.) Oakes: Dorsal: Cedar, PC partly cloudy

Approved by: _____ Date: _____

Date: 5/20/23



Results of Bids Received for the RAS Basement Paint Project

Bidder	Budgeted Amt.	Total Bid	Labor, Materials, Equipment/Tools to Prep & Paint all Walls, Ceilings and Piping, Valves & Motors
Hogan Sandblasting & Painting	\$30,000.00	No bid	"
Thomas Industrial Coatings	"	No bid	"
R.L. Painting LLC	"	\$24,309.00	"
Tillman Painting & Wall Covering	"	\$19,860.00	"

Walls & Ceiling will be painted w/ precat water base epoxy. Piping, valves and motors w/ epoxy primer with a urethane top coat.
 Step treads will be painted with a textured safety yellow.