

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

AGENDA

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

1. CALL TO ORDER

2. ROLL CALL

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

3. PUBLIC COMMENT

4. MINUTES

Regular Meeting: January 16th, 2024

2-3

5. REPORTS

Bills List
Revenue Budget Analysis
Expenditure Budget Analysis
Income & Expense Summary

4-13
14
15
16

6. ALLIANCE REPORT OF OPERATIONS

19-60

7. APPROVAL OF FLOW CHARTS

8. OLD BUSINESS

A. Board update.

9. NEW BUSINESS

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

10. ADDITIONAL DISCUSSION ITEMS

11. ADJOURNMENT

LAKE OZARK-OSAGE BEACH JOINT SEWER BOARD

Meeting Minutes – January 16th 2024

CALL TO ORDER:

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

ROLL CALL:

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

MINUTES:

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

REPORTS:

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

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

ALLIANCE REPORT OF OPERATIONS:

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

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

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

APPROVAL OF FLOW CHART:

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

OLD BUSINESS:

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

NEW BUSINESS:

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

ADDITIONAL DISCUSSION ITEMS:

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

ADJOURNMENT:

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

Approved:

Michael Harmison, Mayor

Robin Craig, Clerk

JOINT SEWER BOARD
BILL LIST
MARCH 19, 2024

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:	\$	43,671.60
OPERATING FUND BILLS TO BE PAID:	\$	42,733.24
EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:	\$	-
EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:	\$	-

TOTAL \$ 86,404.84

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:

Account	Paid To:	Description:	Amount:
4176	AT&T	January	\$ 47.75
4000	Equipment Replacement Fund	Payment into ER Fund	\$ 5,000.00
4020	CED	Spare Bulbs for Control Panel	\$ 17.50
4020	Controlled HVAC	Repair HVAC Admin Bldg	\$ 759.78
4020	M/C QuickBooks	Accounting Software	\$ 30.00
4020	Menards	60411 Sling & Shackles for Winch	\$ 62.01
4020	Menards	60467 Returned two Shackles	\$ (20.38)
4020	Menards	60600 Parts & Supplies for RAS Base	\$ 168.59
4020	Menards	60607 Garden Hose	\$ 59.99
4020	Menards	60697 Fittings for RAS Base/Heaters	\$ 112.28
4020	Menards	60707 Returned PVC Cutter	\$ (25.08)
4020	Menards	60716 Heater for RAS Basement	\$ 258.16
4020	Menards	60804 Returned Backup Heater	\$ (23.99)
4020	Menards	60805 2 Pipe Wrenches	\$ 24.98
4020	Menards	60813 Hose Repair Supplies	\$ 21.77
4020	Menards	60823 Returned Supplies for RAS Base	\$ (27.34)
4020	Menards	61370 Backup Sump Pump & Parts	\$ 347.14
4020	Menards	61823 Glue & Adapter	\$ 11.38
4020	Menards	62036 Wheel Barrel parts & cleaner	\$ 196.94
4020	Woodley Building Main.	Janitorial - January	\$ 330.00
4020	Woodley Building Main.	Janitorial - February	\$ 330.00
4140	Lake Sun/Lake Media	RFP - Insurance	\$ 186.00
4150	Tri State Truck Center	Hood Latch for Sludge Trk	\$ 189.66
4150	Tri State Truck Center	Return some latch parts	\$ (45.28)
4170	Alliance Water Resources Inc	January/February	\$ 31,176.00
4175	Ameren MO	11673321	\$ 3,852.27
4175	Ameren MO	98041275	\$ 119.26
4176	Ferrellgas	199.5 Gallons of Propane	\$ 398.80
4176	AT&T	February	\$ 37.99
4176	Allied Services	March	\$ 75.42
			\$ -
TOTAL \$			43,671.60

JOINT SEWER BOARD
BILL LIST
MARCH 19, 2024

OPERATING FUND BILLS TO BE PAID:

Account	Paid To:	Description:	Amount:
4000	Equipment Replacement Fund	Payment into ER Fund	\$ 5,000.00
4020	Core & Main	Chlorine Tabs & Cleaning	\$ 698.33
4020	John Henry Foster	Oil Filters for Aerator#1 Gear Box	\$ 617.35
4020	John Henry Foster	Filters for UV Wipersystem	\$ 894.35
4020	M/C QuickBooks	Accounting Software	\$ 30.00
4020	Menards	62871 Grease Gun, Hose Fittings	\$ 43.66
4020	Menards	63173 Return Grease Gun	\$ (19.99)
4020	Menards	63174 Tires & Oil for Pressure Washer	\$ 116.45
4020	University of MO Ex	Soil Samples	\$ 90.00
4020	University of MO Ex	Soil Samples	\$ 44.00
4020	Woodley Building Main.	Stripping & Waxing of Floors	\$ 550.00
4020	Woodley Building Main.	Janitorial - March	\$ 330.00
4150	DOC Lubrication Spec.	Sludge Trk Vac pump oil	\$ 92.80
4170	Alliance Water Resources Inc	March	\$ 30,321.00
4175	Ameren MO	11673321	\$ 3,806.45
4175	Ameren MO	98041275	\$ 118.84
			\$ -
		TOTAL	\$ 42,733.24

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	\$ -



- Pay by phone: 1.866.266.3729
- Pay by mail: PO Box 88088, Chicago, IL 60680-1088
- Pay online or manage your account: AmerenMissouri.com
- Customer Service: 1.877.426.3736

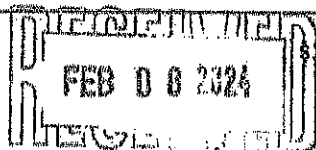
FOCUSED ENERGY. For life.

Account Number 4580005882
 Customer Name ALLIANCE WATER RESOURCES INC
 Service Address 3 ANDERSON RD, -
 LAKE OZARK, MO 65049

Current Detail for Statement 02/08/2024

Total Electric Charges \$3,852.27

Total Amount Due \$3,852.27



AMOUNT DUE \$3,852.27

Due Date 03/01/2024

Amount After Due Date \$3,890.79

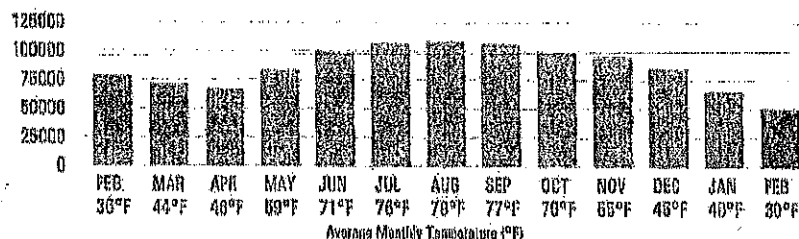
Previous Statement \$4,237.12

Total Payments \$4,237.12

Payment Received: Thank You.

Electric Usage History

Electric Usage in Kilowatt Hours (kWh)



Electric Usage Summary (kWh)

So far this year you're using **20.3% less** than the same time period last year.

2023



144,900 kWh

2024



115,520 kWh

13073 03236 2263477 006460 012948 000120012

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.



See next page for service details.

Keep this portion for your records.

Page 1 of 4



☐ Check if you have address changes on back.

Please return this portion with your payment.

Amount Due	Due Date
\$3,852.27	March 01, 2024
Delinquent Amount After Due Date	Account Number
\$3,890.79	4580005882

Amount Enclosed \$

>003236 2263477 0006 072139 102

ALLIANCE WATER RESOURCES INC
 PO BOX 1886
 LAKE OZARK, MO 65049-1886

AMEREN MISSOURI
 PO BOX 88088
 CHICAGO IL 60680-1088

20600000 0045800058302 000003852270 000003852270



■ Pay by phone: 1.866.268.3729
 ■ Pay by mail: PO Box 88088, Chicago, IL 60680-1088
 ■ Pay online or manage your account: AmerenMissouri.com
 ■ Customer Service: 1.877.425.3736

FOCUSED ENERGY. For life.

Electric Service Details Service from 01/01/2024 - 02/01/2024 (20 days)

Electric Meter Read

METER NUMBER	SERVICE FROM - TO	NO. DAYS	USAGE TYPE	READING TYPE	CURRENT READING	PREVIOUS READING	READING DIFFERENCE	MULTIPLIER	USAGE
11073321	01/01 - 02/01	20	Total kWh	Actual	84318.0000	84004.0000	314.0000	100.0000	50240.0000
11073321	01/01 - 02/01	20	Peak kW	Actual	0.9140	0.0000	0.9140	100.0000	146.2000

Usage Summary

Total kWh	50240.0000	Non-Summer kWh	50240.0000
Peak kW	146.2000	Billing Demand	146.2000
Total Billing Demand	146.2000	October Winter Base kW	178.0000
Winter Base Demand	146.2000	Base kWh Ratio	1.0000
Base kWh (HUD)	50240.0000	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	146.20	kW	@ \$ 2.30000000	\$336.28
Base Energy Charge / Hours Used	21,930.00	kWh	@ \$ 0.06980000	\$1,530.71
Base Energy Charge / Hours Used	28,310.00	kWh	@ \$ 0.05190000	\$1,459.29
Customer Charge				\$110.56
Fuel Adjustment Charge	50,240.00	kWh	@ \$ 0.00297826	\$149.83
Energy Efficiency Investment Charge	50,240.00	kWh	@ \$ 0.00441841	\$221.88
Renewable Energy Adjustment	50,240.00	kWh	@ \$ 0.00067596	\$33.95
Total Service Amount				\$3,852.27
Total Electric Charges				\$3,852.27

Payments Since Previous Statement

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

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

Page 2 of 4

Address Changes or Corrections

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

AmerenMissouri.com/WaysToPay

ONLINE E-CHECK **PHONE** 866.268.3729 **IN PERSON** FIND A PAY STATION AT AMERENMISSOURI.COM/PAYSTATION
ONLINE CREDIT CARD **MAIL** STUB & CHECK



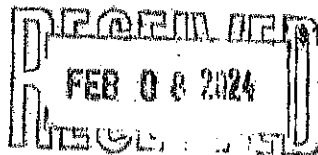
- Pay by phone: 1.800.268.3729
- Pay by mail: PO Box 88068, Chicago, IL 60680-1068
- Pay online or manage your account: AmerenMissouri.com
- Customer Service: 1.877.426.3738

FOCUSED ENERGY. For Life.

Account Number 6580005920
 Customer Name ALLIANCE WATER RESOURCES INC
 Service Address 3 ANDERSON RD
 LAKE OZARK, MO 65049

Total Electric Charges \$119.26

Total Amount Due \$119.26



AMOUNT DUE \$119.26

Due Date 03/01/2024

Amount After Due Date \$120.45

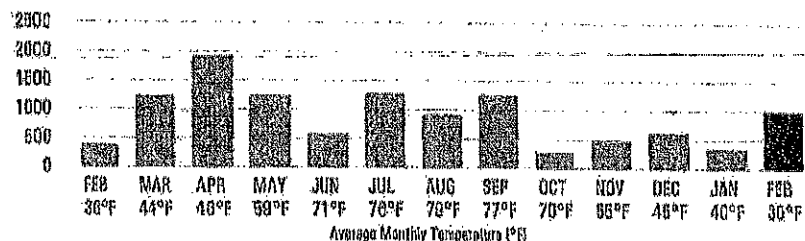
Previous Statement \$65.61

Total Payments \$65.61

Payment Received, Thank You.

Electric Usage Summary

Electric Usage in Kilowatt Hours (kWh)



Electric Usage Summary (kWh)

So far this year you're using 30.8% more than the same time period last year.

2023 1,020 kWh

2024 1,334 kWh

136/23 88265 725347 055-074 812947 1001/0002

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.



» See next page for service details.

Keep this portion for your records.

Page 1 of 4



☐ Check if you have address changes on back.

Please return this portion with your payment.

Amount Due	Due Date
\$119.26	March 01, 2024
Delinquent Amount After Due Date	Account Number
\$120.45	6580005920

Amount Enclosed \$

000000 2263477 0006 092139 102

ALLIANCE WATER RESOURCES INC
 PO BOX 1985
 LAKE OZARK, MO 65048-1985

AMEREN MISSOURI
 PO BOX 88068
 CHICAGO IL 60680-1068

70633000 0055800059200 000000119260 000000119260



- Pay by phone: 1.888.268.3729
- Pay by mail: PO Box 88088, Chicago, IL 60680-1088
- Pay online or manage your account: AmerenMissouri.com
- Customer Service: 1.877.425.3736

FOCUSED ENERGY. For Life.

Electric Service Details Service from 01/08/2024 - 02/06/2024 (29 days)

Electric Meter Read

METER NUMBER	SERVICE FROM TO	NO. DAYS	USAGE TYPE	READING TYPE	CURRENT READING	PREVIOUS READING	READING DIFFERENCE	MULTIPLIER	USAGE
70843410	01/08 - 02/06	29	Total kWh	Actual	1034.0000	88.0000	996.0000	1.0000	996.0000
70843410	01/08 - 02/06	29	Peak kW	Actual	48.7740	0.0000	48.7740	1.0000	48.7740

Usage Summary

Total kWh	996.0000	Non-Summer kWh	996.0000
Winter Base kWh	1000.0000	Current Base kWh	996.0000
Winter Cur Base kWh	996.0000	Seasonal kWh	0.0000

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

Threshold - Peak Demand

DESCRIPTION	USAGE	UNIT	RATE	CHARGE
Base Energy Charge	996.00	kWh	@ \$ 0.08840000	\$89.84
Seasonal Energy Charge	0.00	kWh	@ \$ 0.05160000	\$0.00
Customer Charge				\$23.07
Fuel Adjustment Charge	996.00	kWh	@ \$ 0.00297825	\$2.97
Energy Efficiency Investment Charge	996.00	kWh	@ \$ 0.00352482	\$3.51
Renewable Energy Adjustment	996.00	kWh	@ \$ 0.00067585	\$0.67
Total Service Amount				\$119.26
Total Electric Charges				\$119.26

Payments Since Previous Statement

DATE RECEIVED	AMOUNT
January 22, 2024	\$65.61

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

Page 2 of 4

Address Changes or Corrections

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

AmerenMissouri.com/WaysToPay



ONLINE
E-CHECK



PHONE
888.268.3729



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



ONLINE
CREDIT CARD



MAIL
STUB & CHECK



- Pay by phone: 1.800.268.3720
- Pay by mail: PO Box 88068, Chicago, IL 60680-1068
- Pay online or manage your account: AmerenMissouri.com
- Customer Service: 1.877.426.3788

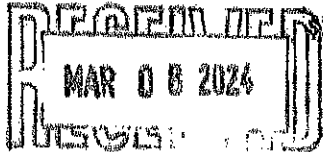
FOCUSED ENERGY. For life.

Account Number 4580005832
Customer Name ALLIANCE WATER RESOURCES INC
Service Address 9 ANDERSON RD.,
LAKE OZARK, MO 65048

Current Bill for Statement 03/08/2024

Total Electric Charges \$3,806.45

Total Amount Due \$3,806.45



AMOUNT DUE \$3,806.45

Due Date 04/01/2024

Amount After Due Date \$3,844.51

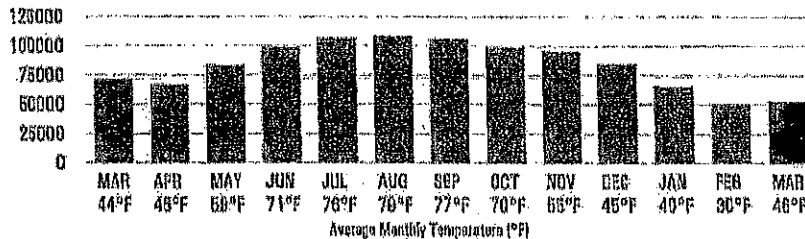
Previous Statement \$3,852.27

Total Payments \$3,852.27

Payment Received Thank You

Electric Usage History

Electric Usage in Kilowatt Hours (kWh)



Electric Usage Summary (kWh)

So far this year you're using 22.3% less than the same time period last year.

2023 216,160 kWh

2024 168,000 kWh

13073 02306 Z268843 004583 808165 00074002

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#: 4675
Signature: [Signature]
Date: 3/8/24



» See next page for service details.

Keep this portion for your records.

Page 1 of 4

Please return this portion with your payment.



☐ Check if you have address changes on back.

Amount Due	Due Date
\$3,806.45	April 01, 2024
Delinquent Amount After Due Date	Account Number
\$3,844.51	4580005832

Amount Enclosed \$

>000000 2268843 0006 092139 102

ALLIANCE WATER RESOURCES INC
PO BOX 1888
LAKE OZARK, MO 65048-1888

AMEREN MISSOURI
PO BOX 88068
CHICAGO IL 60680-1068

20600000 0045800058302 000003806450 000003806450



- Pay by phone: 1.866.268.3729
- Pay by mail: PO Box 88088, Chicago, IL 60680-1088
- Pay online or manage your account: AmerenMissouri.com
- Customer Service: 1.877.426.3736

FOCUSED ENERGY. For life.

Electric Service Details

Service from 02/06/2024 - 03/06/2024 (29 days)

Electric Meter Read

METER NUMBER	SERVICE FROM - TO	NO. DAYS	USAGE TYPE	READING TYPE	CURRENT READING	PREVIOUS READING	READING DIFFERENCE	MULTIPLIER	USAGE
11673921	02/06 - 03/06	29	Total kWh	Actual	84646.9000	84318.0000	328.9000	180.0000	52480.0000
11673921	02/06 - 03/06	29	Peak kW	Actual	0.7840	0.0000	0.7840	180.0000	125.4000

Usage Summary

Total kWh	52480.0000	Non-Summer kWh	52480.0000
Peak kW	125.4000	Billing Demand	125.4000
Total Billing Demand	125.4000	October Winter Base kW	178.8000
Winter Base Demand	125.4000	Base kWh Ratio	1.0000
Base kWh (HUD)	52480.0000	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	125.40	kW	@ \$ 2.30000000	\$288.42
Base Energy Charge / Hours Used	18,810.00	kWh	@ \$ 0.06800000	\$1,312.64
Base Energy Charge / Hours Used	25,080.00	kWh	@ \$ 0.05100000	\$1,301.65
Base Energy Charge / Hours Used	8,590.00	kWh	@ \$ 0.04080000	\$351.33
Customer Charge				\$110.55
Fuel Adjustment Charge	52,480.00	kWh	@ \$ 0.00255000	\$133.82
Energy Efficiency Investment Charge	52,480.00	kWh	@ \$ 0.00382400	\$200.88
Renewable Energy Adjustment	52,480.00	kWh	@ \$ 0.00204000	\$107.06
Total Service Amount				\$3,806.45
Total Electric Charges				\$3,806.45

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

Page 2 of 4

Address Changes or Corrections

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

AmerenMissouri.com/WaysToPay



ONLINE
E-CHECK



PHONE
866.268.3729



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



ONLINE
CREDIT CARD



MAIL
STUB & CHECK



- Pay by phone: 1.866.268.3729
- Pay by mail: PO Box 88088, Chicago, IL 60680-1088
- Pay online or manage your account: AmerenMissouri.com
- Customer Service: 1.877.426.3730

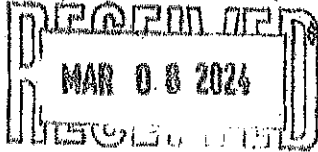
FOCUSED ENERGY. For life.

Account Number **6580005920**
 Customer Name **ALLIANCE WATER RESOURCES INC**
 Service Address **3 ANDERSON RD**
LAKE OZARK, MO 65049

Current Detail for Statement 03/08/2024

Total Electric Charges **\$118.84**

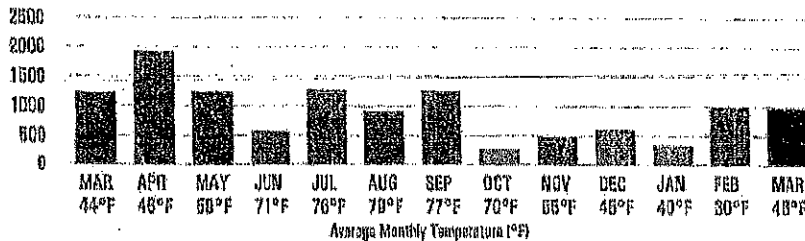
Total Amount Due **\$118.84**



AMOUNT DUE \$118.84
Due Date 04/01/2024
 Amount After Due Date **\$120.03**
 Previous Statement **\$119.26**
 Total Payments **\$119.26**
 Payment Received Thank You

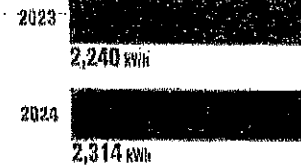
Electric Usage History

Electric Usage in Kilowatt Hours (kWh)



Electric Usage Summary (kWh)

So far this year you're using **3.3% more** than the same time period last year.



13073 02319 2258443 0006 092139 102

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: 3/8/24



» See next page for service details.

Keep this portion for your records.

Page 1 of 4

Please return this portion with your payment.



☐ Check if you have address changes on back.

Amount Due	Due Date
\$118.84	April 01, 2024
Delinquent Amount After Due Date	Account Number
\$120.03	6580005920

Amount Enclosed \$ _____

>002319 2268443 0006 092139 102

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

AMEREN MISSOURI
 PO BOX 88088
 CHICAGO IL 60680-1088

70633000 0055800059200 000000118840 000000118840



- Pay by phone: 1.888.268.3729
- Pay by mail: PO Box 88088, Chicago, IL 60680-1088
- Pay online or manage your account: AmerenMissouri.com
- Customer Service: 1.877.428.3738

FOCUSED ENERGY. For life.

Electric Service Details

Service from 02/08/2024 - 03/08/2024 (29 days)

Electric Meter Read

METER NUMBER	SERVICE FROM - TO	NO. DAYS	USAGE TYPE	READING TYPE	CURRENT READING	PREVIOUS READING	READING DIFFERENCE	MULTIPLIER	USAGE
70843410	02/08 - 03/08	29	Total kWh	Actual	2014.0000	1034.0000	980.0000	1.0000	980.0000
70843410	02/08 - 03/08	29	Peak kW	Actual	61.6300	0.0000	61.6300	1.0000	61.6300

Usage Summary

Total kWh	980.0000	Non-Summer kWh	980.0000
Winter Base kWh	1000.0000	Current Base kWh	980.0000
Winter Cur Base kWh	980.0000	Seasonal kWh	0.0000

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

Threshold - Peak Demand

DESCRIPTION	USAGE	UNIT	RATE	CHARGE
Base Energy Charge	980.00	kWh	@ \$ 0.08940000	\$87.81
Seasonal Energy Charge	0.00	kWh	@ \$ 0.06160000	\$0.00
Customer Charge				\$23.07
Fuel Adjustment Charge	980.00	kWh	@ \$ 0.00286000	\$2.80
Energy Efficiency Investment Charge	980.00	kWh	@ \$ 0.00379000	\$3.68
Renewable Energy Adjustment	980.00	kWh	@ \$ 0.00204000	\$2.00
Total Service Amount				\$118.84
Total Electric Charges				\$118.84

Payments Since Previous Statement

DATE RECEIVED	AMOUNT
February 26, 2024	\$118.28

Questions? Contact Ameren Missouri at 1.877.428.3738 or visit AmerenMissouri.com.

Page 2 of 4

Address Changes or Corrections

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

AmerenMissouri.com/WaysToPay



ONLINE
E-CHECK



PHONE
888.268.3729



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



ONLINE
CREDIT CARD



MAIL
STUB & CHECK

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

2/29/2024

Account Number	Account Name	2022 Actual	2023 Actual	2024 Budget	2024 Actual as of 2/29/2024	2024 February Revenue	Percent YTD
3020	Osage Beach	460,708.70	491,201.99	512,148.00	81,172.92	40,558.06	16%
3010	Lake Ozark	91,794.26	87,143.84	97,552.00	15,602.08	7,829.44	16%
3030	Misc.	1,094.92	234.08	0.00	0.00	0.00	0%
3100	Interest	2,462.35	5,522.07	5,000.00	3,136.24	1,522.84	63%
3060	Waste Haulers' Fee	49,490.00	63,160.00	57,000.00	4,250.00	3,875.00	7%
Total Operating Fund		605,550.23	647,261.98	671,700.00	104,161.24	53,785.34	16%
E/R Fund Income		3,588.63	15,192.01	12,000.00	4,684.23	1,518.59	39%
TOTAL INCOME		609,138.86	662,453.99	683,700.00	108,845.47	55,303.93	16%

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

Account Number	Account Name	2022 Actual	2023 Actual	2024 Budget	2024 Actual as of 2/29/2024	2024 February Expenses	Percent YTD
4000	Equipment Replace Fund	55,008.00	60,000.00	100,000.00	10,000.00	5,000.00	10%
4020	*Maintenance & Repair	60,030.11	84,666.12	64,000.00	3,748.77	2,633.73	6%
4140	Insurance	22,088.00	22,791.00	26,210.00	0.00	0.00	0%
4150	Vehicle Repair/Main	5,999.58	3,255.47	9,000.00	347.13	144.38	4%
4170	Contract Management	331,080.00	353,592.00	374,808.00	60,642.00	31,176.00	16%
4175	Electric	79,890.16	88,547.80	87,000.00	8,264.26	3,971.53	9%
4176	Utilities Misc.	3,694.18	4,579.70	4,700.00	673.37	446.55	12%
4190	Bank Charges	12.00	3.00	0.00	0.00	0.00	0%
4200	Audit	2,700.00	2,800.00	2,900.00	0.00	0.00	0%
4240	Capital Purchases	0.00	0.00	0.00	0.00	0.00	0%
	Totals	678,450.37	620,234.09	868,618.00	83,573.53	43,372.19	12%
	**E/R Expenses	202,161.70	113,313.66	195,000.00	369.88	0.00	0%
	TOTAL EXPENSES	880,612.07	733,547.75	863,618.00	83,943.51	43,372.19	10%

4020 DETAIL: Equip & Bldg. Repair/Main.

Regular Maintenance	20,000
UV Bulbs, Quartz Sleeves, Misc	11,000
Painting RAS basement piping	30,000
Rock for road	3,000
	<u>64,000.00</u>

DETAIL: Equipment & Replacement

Replace RAS Pumps & Check Valves	<u>195,000</u>
	195,000.00

OPERATING FUND INCOME AND EXPENSE SUMMARY
2/29/2024

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

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

Beginning Balance	494,967.56
Interest - Checking	286.92
Income - CD Interest	2,878.72
Transfers From Operating Fund	5,000.00
Income - Miscellaneous	-
Expenses	-
Ending Fund Balance	503,133.20
First Bank of the Lake - Money Mkt.	117,001.47
CD First Bank of the Lake, 4/30/25 #8430	116,131.73
CD First Bank of the Lake, 5/07/24 #8434	270,000.00
	-
	-
Outstanding Checks:	-
	503,133.20



March 8, 2024

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

RE: Commercial Package # ETD 0484322
Policy Term: April 10, 2024 to April 10, 2025

Dear Karri Bell:

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

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

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

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

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

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

Please let us know if you have any other questions.

Sincerely,

A handwritten signature in cursive script that reads 'Camillia Naught'.

Camillia Naught
Sr Acct Exec (II)
Commercial Lines
Phone: (573) 392-7141
E-Mail: camillia.naught@assuredpartners.com



AssuredPartners

March 11, 2024

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

RE: Commercial Package # ETD 0484322
Policy Term: April 10, 2024 to April 10, 2025

Dear Karri:

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

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

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

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

Sincerely,

Camillia Naught

Camillia Naught
Sr Acct Exec (II)
Commercial Lines
Phone: (573) 392-7141
E-Mail: camillia.naught@assuredpartners.com

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 January 2024

Submitted by Alliance Water Resources, Inc. for the

March 2024

Joint Sewer Board Meeting

SUMMARY OF FACILITY OPERATION

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

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

PLANT EFFLUENT QUALITY

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

NPDES EFFLUENT LIMITATIONS

	BOD mg/l	TSS mg/l	pH	E.coli Colonies/100 ml	Coliform	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 1.009 MGD or 34% of Permitted flow with Lake Ozark contributing 15% of the total flow and Osage Beach contributing 85%. Daily influent flow BOD and TSS data is presented in Table A. Daily flow for the month and rainfall are shown in Figure 2. A three-year flow history for each of the two cities is presented in Table B.

Organic loading for the month was 57612 pounds of BOD.

BIOSOLIDS APPLICATION AND INVENTORY

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

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

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

WASTEHAULERS

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

WWTP OPERATIONS

- Decanting digesters and wasting weekly.
- Normal operations.

WWTP MAINTENANCE AND REPAIR

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

SAFETY

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

REGULATORY AGENCY, INSPECTION AND REPORT

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

MISCELLANEOUS AND RECOMMENDATIONS

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

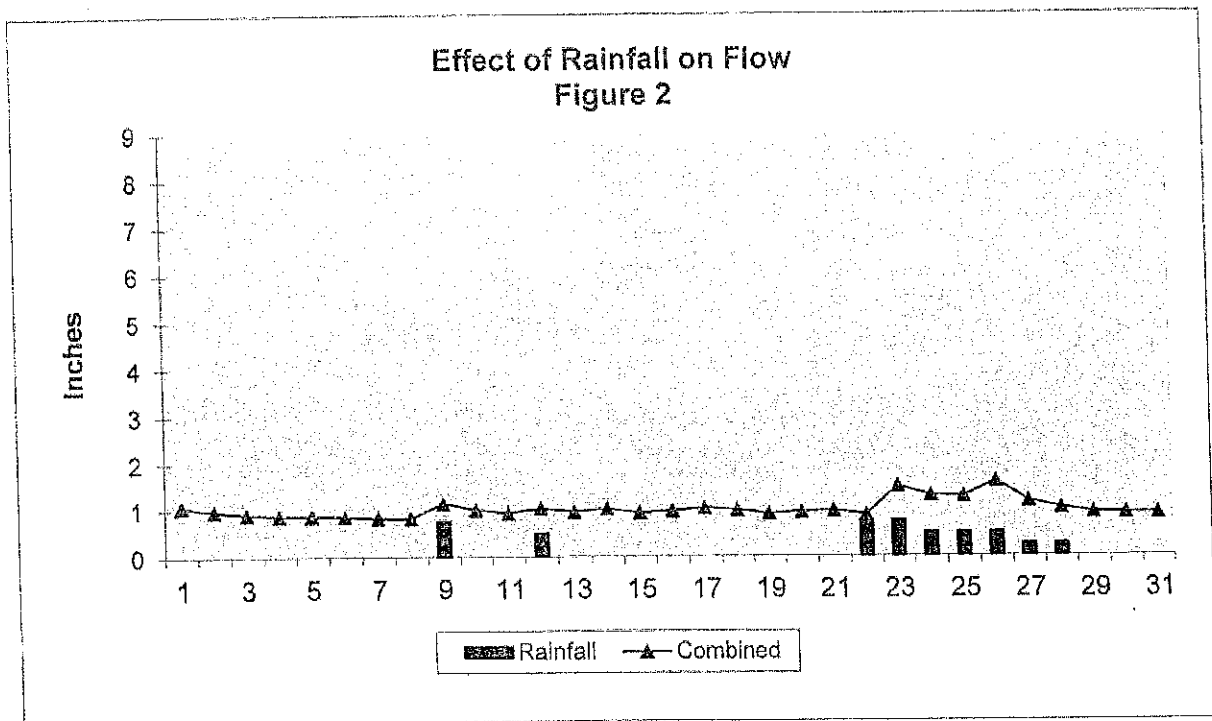
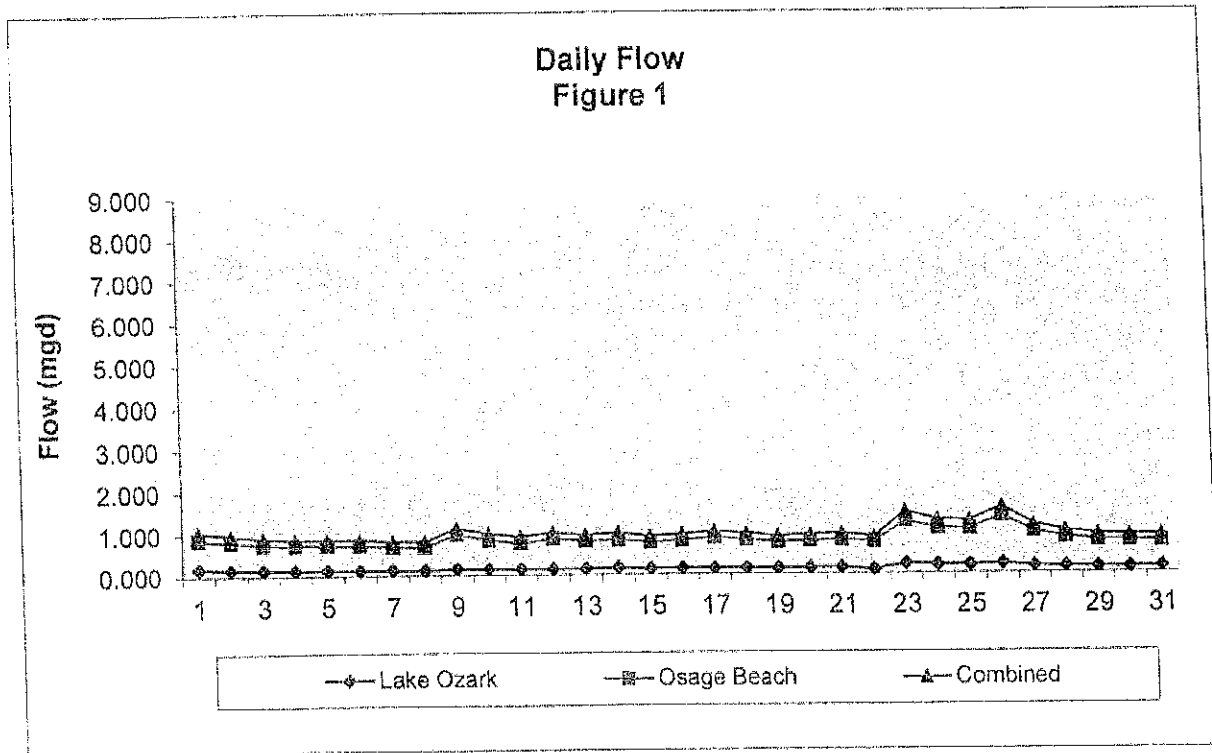


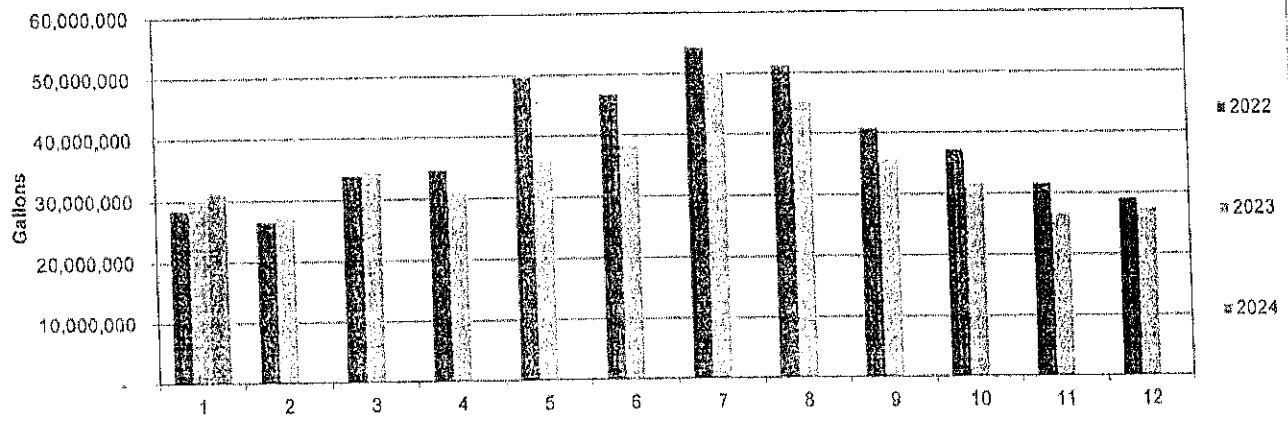
TABLE B
JOINT SEWER BOARD
Monthly Flows

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%

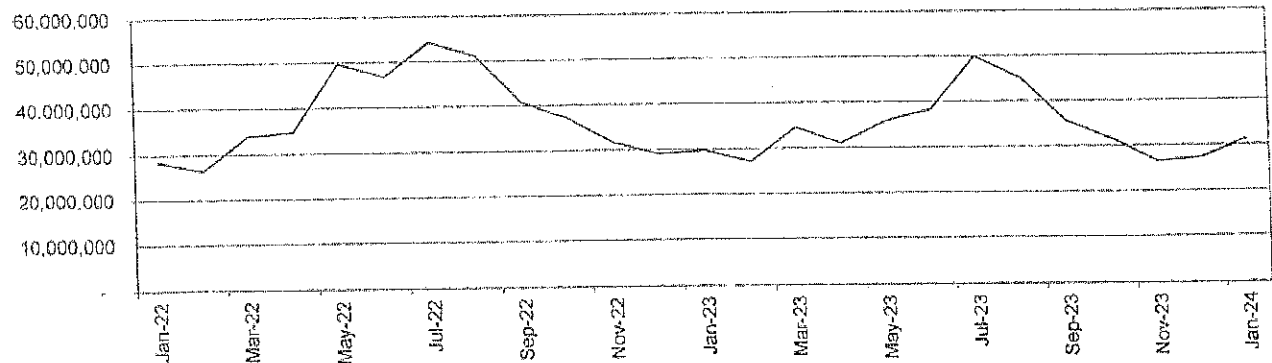
<u>2023</u>	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	2.8	25,972,000	87%	3,812,000	13%	29,784,000	100%
February	3.9	23,448,000	86%	3,820,000	14%	27,268,000	100%
March	6.2	29,920,000	87%	4,559,000	13%	34,479,000	100%
April	1.3	26,903,000	87%	4,085,000	13%	30,988,000	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	1.0	22,375,000	84%	4,282,000	16%	26,657,000	100%
December	3.4	23,026,000	84%	4,445,000	16%	27,471,000	100%
	42.7	349,262,000	85%	63,319,000	15%	412,581,000	100%

2024	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	4.8	26,487,000	85%	4,806,000	15%	31,293,000	100%
February							
March							
April							
May							
June							
July							
August							
September							
October							
November							
December							
	4.8	26,487,000	85%	4,806,000	15%	31,293,000	100%

Monthly Influent Flow
Figure 3A

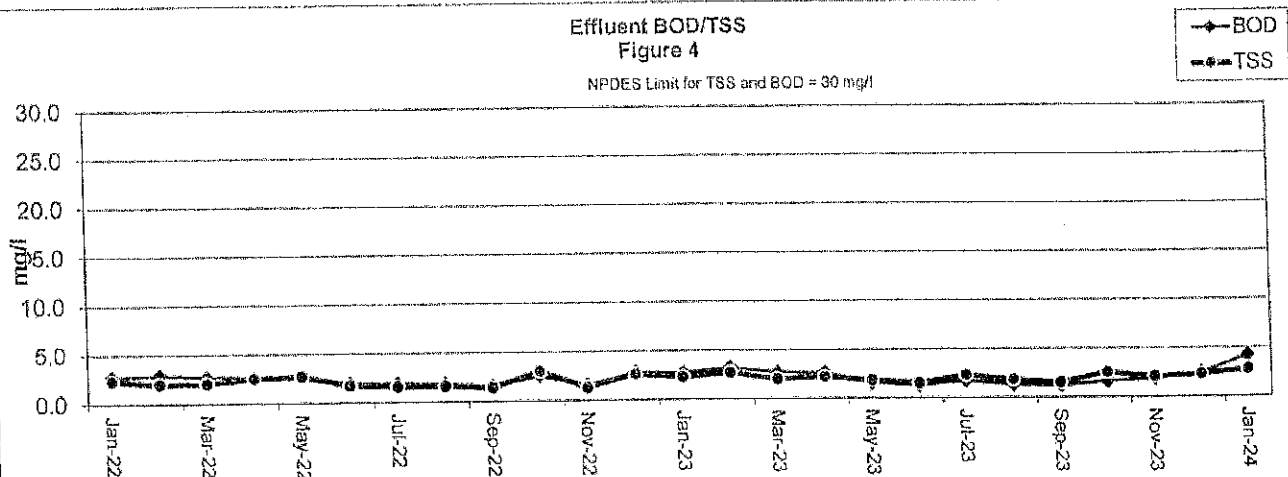


Monthly Influent Flow
Figure 3B



Effluent BOD/TSS
Figure 4

NPDES Limit for TSS and BOD = 30 mg/l



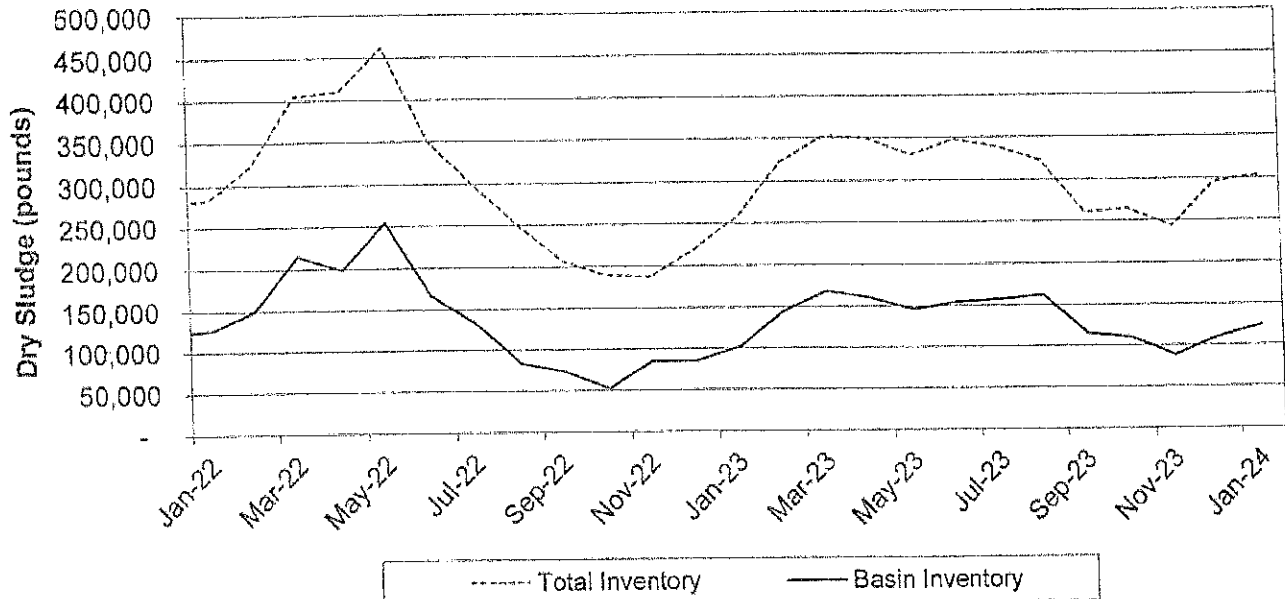
	Loads	Gallons	Hauled Sludge			Annual Cumulative # Dry
			# Dry	% Solids		
Jan-22	0	-	0	4.5%		
Feb-22	0	-	0	4.0%		
Mar-22	0	-	0	4.4%		
Apr-22	47	169,200	62,120	4.4%		62,120
May-22	16	57,600	21,017	4.4%		83,137
Jun-22	84	302,400	102,052	4.0%		185,189
Jul-22	80	288,000	88,961	3.7%		274,150
Aug-22	109	388,800	120,426	3.7%		394,576
Sep-22	51	183,600	54,073	3.5%		448,649
Oct-22	42	151,200	44,405	3.5%		493,054
Nov-22	0	-	0	3.5%		493,054
Dec-22	8	28,800	7,746	3.2%		500,800
Jan-23	0	-	0	3.2%		-
Feb-23	0	-	0	3.2%		-
Mar-23	0	-	0	3.2%		-
Apr-23	116	417,000	129,223	3.7%		129,223
May-23	48	172,800	46,747	3.2%		175,970
Jun-23	58	208,800	65,262	3.8%		241,232
Jul-23	51	183,600	58,307	3.8%		299,539
Aug-23	74	268,400	83,567	3.8%		383,226
Sep-23	34	122,400	39,271	3.8%		422,497
Oct-23	9.5	34,200	11,124	3.9%		433,621
Nov-23	0	-	0	3.9%		433,621
Dec-23	0	-	0	3.9%		433,621
Jan-24	0	-	0	3.9%		-

Basin Depths					# Dry
Tank #1	Tank #2	AB #1	Basin Gallons		
4.5	3.0	0.0	337,500		126,684
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		198,265
8.5	7.0	0.0	697,500		254,503
7.0	4.0	0.0	485,000		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		52,863
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		160,367
6.0	6.0	0.0	540,000		146,084
6.0	5.0	0.0	485,000		154,953
6.0	5.0	0.0	495,000		157,200
7.0	4.5	0.0	517,500		162,373
7.5	0.5	0.0	360,000		115,503
7.5	0.0	0.0	337,500		109,776
3.0	3.0	0.0	270,000		87,820
4.5	3.0	0.0	337,500		109,775
5.5	3.0	0.0	382,500		124,412

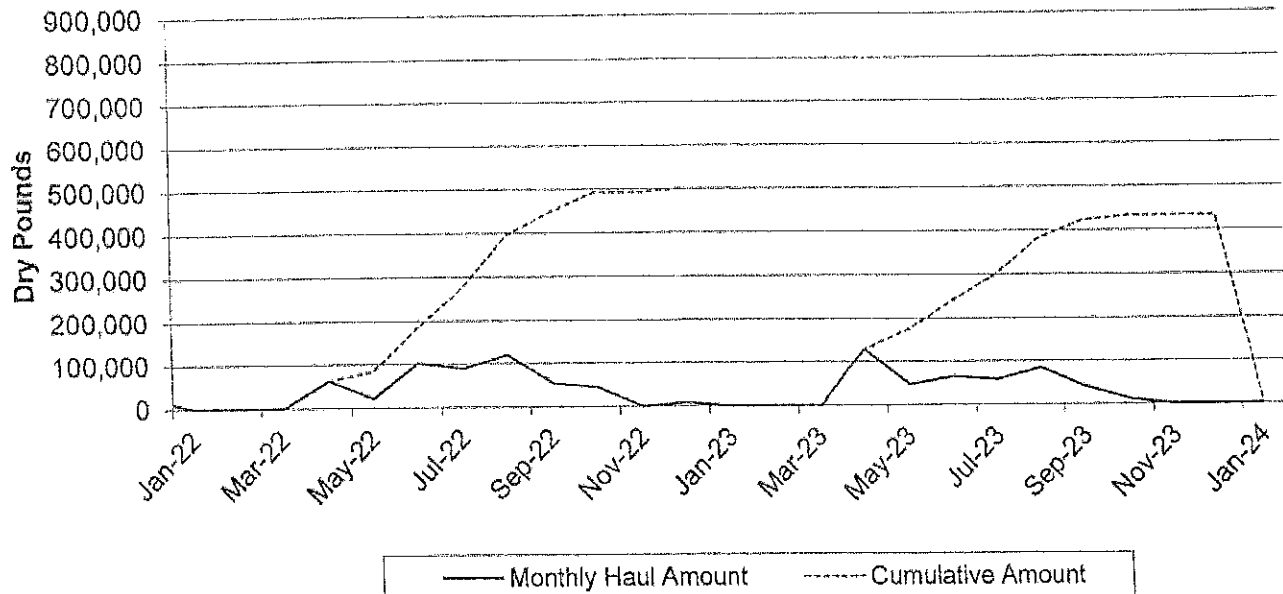
Blanket Depths			MLSS Inventory		Blanket and MLSS Inventory		MLSS	Total Dry
Clarf #1	Clarf #2	Clarf #3	MLSS AB #1	MLSS AB #2	Gallons	# Dry	% Solids	Sludge Inventory
1.0	3.5	0.0	5,060	5,180	3,679,929	157,136	0.0051	283,800
4.0	1.5	0.0	6,280	5,030	3,697,691	174,393	0.0057	324,513
9.0	10.0	0.0	5,870	5,750	3,937,478	190,484	0.0056	405,135
10.0	10.0	1.0	7,100	5,600	3,998,658	211,765	0.0054	410,021
2.0	10.0	1.0	6,290	6,630	3,858,572	207,778	0.0055	462,281
4.5	0.5	1.5	5,760	6,010	3,753,952	184,247	0.0059	351,297
6.0	3.0	1.5	4,740	5,860	3,660,524	165,296	0.0052	298,348
1.5	1.0	0.5	5,460	5,420	3,695,119	165,769	0.0055	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	4,580	4,390	3,639,476	136,285	0.0046	169,149
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
2.0	1.0	0.0	4,880	5,380	3,635,524	155,543	0.0051	257,625
1.0	2.0	0.0	6,090	5,570	3,671,048	177,892	0.0058	321,997
1.0	2.0	1.0	5,310	6,640	3,695,714	184,213	0.0060	352,347
1.0	1.0	1.0	6,200	6,170	3,678,952	199,771	0.0062	350,138
0.5	9.0	0.5	5,120	6,530	3,790,453	184,142	0.0058	330,226
1.5	4.0	0.5	6,020	6,440	3,719,405	193,254	0.0062	348,207
2.0	3.5	0.5	6,030	5,710	3,719,405	182,086	0.0059	339,267
1.0	1.0	0.5	5,600	4,910	3,657,238	160,285	0.0053	322,658
1.0	1.0	0.5	4,780	4,750	3,657,238	145,339	0.0048	260,842
0.5	0.5	0.5	4,530	5,650	3,639,476	154,650	0.0051	264,426
2.0	2.0	0.5	4,550	5,540	3,692,762	155,374	0.0050	243,194
1.0	3.0	0.0	5,730	6,480	3,671,048	186,465	0.0061	296,230
1.0	5.0	0.0	5,470	6,100	3,706,572	178,831	0.0058	303,243

Accepted Septage	
Loads	Gallons
13	27,000
32	65,000
23	43,000
52	124,500
37	85,000
42	93,500
33	68,500
165	300,000
76	168,000
35	71,000
38	89,500
33	71,500
35	74,500
38	87,500
50	115,500
82	171,500
49	102,500
59	131,500
61	120,500
27	65,500
84	184,000
40	65,500
30	59,000
29	77,000
23	43,000

Sludge Inventory



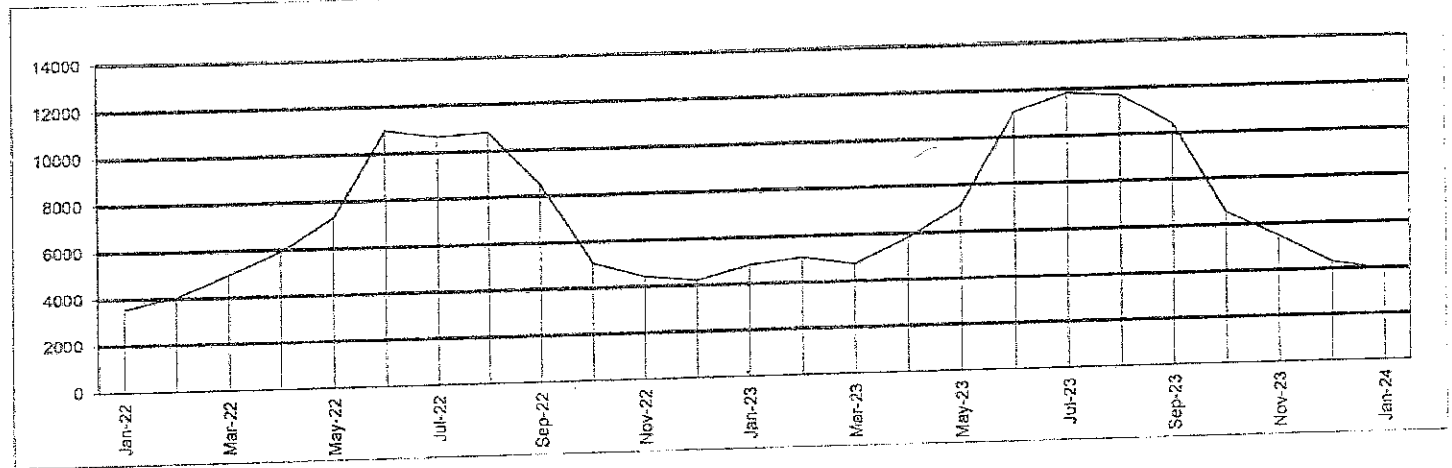
Hauled Sludge Summary



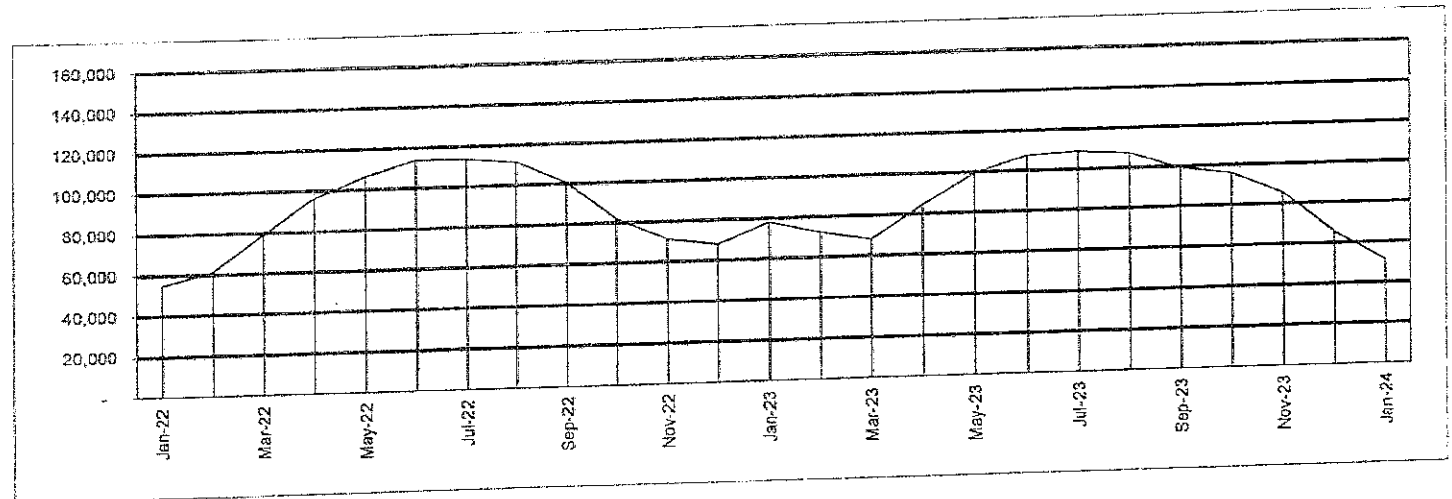
Electric Cost Kilowatts Used

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

Electric Cost



Kilowatts Used



Lake Ozark/Osage Beach WWTP
Phosphorus Removal

	Inf. mg/L	Eff. mg/L		Inf. mg/L	Eff. mg/L		Inf. mg/L	Eff. mg/L
Jan-22	4.8	1.9	Jan-23	4.9	2.7	Jan-24	5.3	3.3
Feb-22	4.6	1.7	Feb-23	5.9	3.0	Feb-24		
Mar-22	4.9	2.9	Mar-23	5.1	2.9	Mar-24		
Apr-22	4.7	2.9	Apr-23	6.0	3.2	Apr-24		
May-22	4.4	2.8	May-23	5.6	1.9	May-24		
Jun-22	4.4	3.7	Jun-23	6.2	2.8	Jun-24		
Jul-22	6.2	2.8	Jul-23	7.2	0.6	Jul-24		
Aug-22	3.5	1.0	Aug-23	4.7	0.6	Aug-24		
Sep-22	5.3	4.5	Sep-23	5.0	4.6	Sep-24		
Oct-22	6.1	6.8	Oct-23	7.0	6.6	Oct-24		
Nov-22	4.8	3.6	Nov-23	7.6	5.4	Nov-24		
Dec-22	4.8	2.8	Dec-23	5.9	3.6	Dec-24		
Avg.	4.9	3.1	Avg.	5.9	3.2	Avg.	5.3	3.3



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							
Jan-24		MO-0103241					#001		Oxidation Ditch/UV/Sludge Holding-sludge is land applied							
INFLUENT						EFFLUENT								% Removal		
DATE	pH UNITS	BOD mg/L	TSS mg/L	Ammonia as N mg/l	TEMP °C	FLOW MGD	pH UNITS	BOD mg/L	TSS mg/L	Ammonia as N mg/l	DO mg/L	E. coli COLFRM #/100 ML	TEMP °C	BOD mg/L	TSS mg/L	
1	6.9				12.4	1.297	7.5				12.7		9.7			
2	7.1				10.7	1.196	7.8				12.6		9.2			
3	7.1			35.6	11.5	1.022	7.7			0.01	12.6		8.9			
4	7.1				11.6	1.135	7.6				12.6		8.2			
5	7.1	223	228		10.5	1.150	7.5	3.2	2.8		12.6		9.1	98.6	98.8	
6	6.9				12.5	0.995	7.5				12.4		10.1			
7	6.9				11.2	1.000	7.5				13.2		9.0			
8	6.9				11.5	1.056	7.5				13.2		9.5			
9	6.8				11.6	1.430	7.8				12.6		9.9			
10	6.9			14.2	11.7	1.292	7.6			0.2	13.1		9.0			
11	7.2				11.2	1.201	8.0				12.0		8.7			
12	6.8	285	420		12.4	1.306	7.5	3.1	2.1		12.1		9.8	98.9	99.5	
13	6.9				9.3	1.171	7.3				13.0		6.6			
14	6.8				7.0	1.278	7.4				13.5		5.2			
15	6.9				7.6	1.184	7.4				13.2		3.8			
16	6.8				9.4	1.211	7.4				13.8		4.5			
17	6.8			18.0	9.8	1.266	7.1			0.1	13.7		4.7			
18	6.9				9.3	1.204	7.4				13.3		6.8			
19	6.9	175	194		8.0	1.176	7.5	5.3	3.4		12.9		5.5	97.0	98.2	
20	7.1				8.4	1.179	7.8				13.9		5.0			
21	7.2				7.2	1.208	7.4				13.9		4.8			
22	7.1				9.8	1.146	7.6				13.9		6.9			
23	7.0				9.7	1.739	7.6				12.9		7.5			
24	6.9			25.2	11.6	1.580	7.4			3.3	14.0		8.6			
25	6.9				10.5	1.441	7.5				13.6		9.3			
26	6.9	200	270		11.5	1.660	7.4	5.3	2.9		13.0		9.5	97.4	98.9	
27	6.9				10.4	1.441	7.6				14.2		9.1			
28	6.9				10.1	1.268	7.5				13.6		8.9			
29	6.9				10.1	1.176	7.5				13.0		8.2			
30	6.8				10.1	1.179	7.5				13.3		9.2			
31	7.0			26.6	10.5	1.165	7.7			0.09	13.0		9.5			
Total						38.752										
Avg		221	278	23.9	10.3	1.250		4.2	2.8	0.74	13.1	0.0	7.9	97.9	98.9	
Min	6.8	175	194	14.2	7.0	0.995	7.1	3.1	2.1	0.01	12.0	0.0	3.8	97.0	98.2	
Max	7.2	285	420	35.6	12.5	1.739	8.0	5.3	3.4	3.3	14.2	0.0	10.1	98.9	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										
5										
6										
7										
8										
9										
10	3.25	1.11	14.0					5.25	36.1	< 0.030
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
Total	3.25	1.11	14.0					5.25	36.1	< 0.030
Avg	3.25	1.11	14.0					5.25	36.1	< 0.030
Min	3.25	1.11	14.0					5.25	36.1	< 0.030
Max	3.25	1.11	14.0					5.25	36.1	< 0.030

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

DATE Jan-24	SLUDGE DISP. LBS. DRY WEIGHT	#1 Aeration Basin, O-Ditch, Etc.				#2 Aeration Basin, O-Ditch, Etc.				*Weather Conditions		
		MIXED LIQUOR				MIXED LIQUOR				Outside	*RAIN Inches	Time
		* DO	** MLSS	*Settleability		* DO	** MLSS	*Settleability		* Ambient		
		mg/l	mg/l	*30 min ml	Temp ° C	mg/l	mg/l	*30 min ml	Temp ° C	Temp ° F		
1		5.0	5,960	840	10.4	3.2	6,380	860	10.4	36	0	7:30
2		2.5	5,630	790	8.7	1.7	6,200	900	9.3	27	0	7:30
3		3.1	4,930	780	9.0	2.4	5,680	850	9.5	30	0	7:30
4		3.5	5,970	850	9.2	3.6	5,340	780	9.7	32	0	7:30
5		1.4	6,280	850	9.5	3.4	5,450	770	9.7	35	0	7:30
6		2.4	4,560	770	9.8	3.3	4,610	700	10.2	41	0	7:30
7		3.4	4,710	770	9.6	4.6	4,370	570	9.8	39	0	7:30
8		2.9	4,380	670	9.5	4.0	4,380	630	9.6	40	0	7:30
9		2.8	4,770	710	10.1	2.7	4,270	620	10.4	42	0.75	7:30
10		3.7	4,590	620	9.5	3.4	4,000	450	9.7	30	0	7:30
11		3.0	4,110	510	9.3	3.3	4,130	530	9.7	34	0	7:30
12		3.2	3,900	380	10.3	3.9	3,970	490	10.6	45	0.5	7:30
13		4.0	3,300	400	7.3	4.4	3,670	570	7.3	15	0	7:30
14		6.0	3,500	400	4.8	5.8	3,640	450	5.4	-3	0	7:30
15		7.0	3,200	350	4.0	5.8	3,840	570	4.9	7	0	7:30
16		6.1	3,260	330	3.9	6.2	4,110	520	5.4	7	0	7:30
17		7.2	3,550	350	5.1	7.0	3,780	450	5.4	21	0	7:30
18		7.1	3,780	450	6.3	7.1	3,440	440	7.2	34	0	7:30
19		4.8	3,650	400	5.7	5.1	3,750	450	6.2	8	0	7:30
20		5.9	4,320	600	5.9	6.0	3,370	360	5.8	1	0	7:30
21		7.8	4,160	570	5.0	8.0	3,580	360	5.0	10	0	7:30
22		4.7	4,160	480	7.2	4.2	3,720	340	7.5	30	0.75	7:30
23		4.6	3,970	410	8.2	3.9	3,650	390	8.3	41	0.75	7:30
24		4.5	3,740	430	9.4	5.0	4,120	430	9.8	44	0.5	7:30
25		8.3	5,420	740	9.7	8.1	6,180	860	9.9	45	0.5	7:30
26		5.5	5,410	620	10	3.6	5,370	750	10.4	44	0.5	7:30
27		4.8	4,900	740	10.2	5.6	5,020	790	10.6	39	0.25	7:30
28		4.4	5,280	740	9.5	6.8	5,010	660	10.0	38	0.25	7:30
29		5.6	5,551	780	8.8	5.5	5,300	720	9.1	30	0	7:30
30		5.4	5,270	720	9.8	4.4	5,930	840	9.4	41	0	7:30
31		5.2	5,470	790	9.6	5.3	6,100	830	9.8	32	0	7:30

COMMENTS:

TESTS PERFORMED BY (PRINT)	SIGNATURE	PHONE #	DATE
John Hornback	(employee off due to surgery)	(573)365-0455	
REPORT APPROVED BY (PRINT)	SIGNATURE	PHONE #	DATE
Gary Hutchcraft	<i>Gary Hutchcraft</i>	(573)365-0455	2/6/2024

*Required Daily (Monday - Friday)

**Required 1/week

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

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

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

Permit Number	Outfall Number
MO0163241	001M
Monitoring Period	
1/1/24	1/31/24
NOD:	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
Flow, in conduit or thru treatment plant	*****	*****	*****	*****	1.739	1.250	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	*****	5.3	4.2	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	2.8	mg/L	*****	*****	*****
Mon. Location.: End of Pipe	*****;*****	Weekly Avg.:45	Monthly Avg.:30		*****;*****	*****;*****	
Sample Type: 24 Hour Composite							
Frequency: Weekly							
Phosphorus, total (as P)	3.25	*****	3.25	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)	1.11	*****	1.11	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)	14.0	*****	14.0	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)	3.3	*****	0.74	mg/L	*****	*****	*****
Mon. Location.: End of Pipe	Daily Max.:12.1	*****;*****	Monthly Avg.:3.1		*****;*****	*****;*****	
Sample Type: 24 Hour Composite							
Frequency: Weekly							

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

pH	7.1	*****	8.0	SU	*****	*****	*****
Mon. Location.: End of Pipe	Minimum:6.0	*****	Maximum:9.0		*****	*****	
Sample Type: Grab							
Frequency: Weekly							
BOD, 5-day, percent removal	*****	*****	97.0	%	*****	*****	*****
Mon. Location.: End of Pipe	*****	*****	Monthly Avg. Min.:85		*****	*****	
Sample Type: Calculated							
Frequency: Monthly							
Suspended Solids, percent removal	*****	*****	98.2	%	*****	*****	*****
Mon. Location.: End of Pipe	*****	*****	Monthly Avg. Min.:85		*****	*****	
Sample Type: Calculated							
Frequency: Monthly							
Comments:							

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

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

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

Permit Number	Outfall Number
MO0103241	INFIM
Monitoring Period	
1/1/24	1/31/24
NOD:	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements			Unit
BOD, 5-day, 20 deg. C	*****	*****	221	mg/L	*****	*****	*****	
Mon. Location.: Influent	*****	*****	Monthly Avg.:Monitoring Required		*****	*****		
Sample Type: 24 Hour Composite								
Frequency: Monthly								
Total Suspended Solids (TSS)	*****	*****	278	mg/L	*****	*****	*****	
Mon. Location.: Influent	*****	*****	Monthly Avg.:Monitoring Required		*****	*****		
Sample Type: 24 Hour Composite								
Frequency: Monthly								
Nitrogen, ammonia total (as N)	35.6	*****	23.9	mg/L	*****	*****	*****	
Mon. Location.: Influent	Daily Max.:Monitoring Required	*****	Monthly Avg.:Monitoring Required		*****	*****		
Sample Type: 24 Hour Composite								
Frequency: Monthly								
Phosphorus, total (as P)	5.25	*****	5.25	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)	36.1	*****	36.1	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 Hutchcraft	Submission Date February 6, 2024	User Phone Number (573)365-0455
-------------------------------	-------------------------------------	------------------------------------

FILE JANUARY 70121
72362



2024 Regulatory Compliance Report

Mark Mahler, Director of Safety & Regulatory Compliance

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

1st Quarter 2024, Missouri

Water Exportation

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

Design Rule Change

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

Other Bills of Interest

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

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

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



Regulatory Compliance Report

Mark Mahler, Director of Safety & Regulatory Compliance

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

1st Quarter 2024, Federal

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

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

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

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
65203

(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 February 2024

Submitted by Alliance Water Resources, Inc. for the

March 2024

Joint Sewer Board Meeting

SUMMARY OF FACILITY OPERATION

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

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

PLANT EFFLUENT QUALITY

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

NPDES EFFLUENT LIMITATIONS

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

PLANT HYDRAULIC AND ORGANIC LOADING

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

Organic loading for the month was 50076 pounds of BOD.

BIOSOLIDS APPLICATION AND INVENTORY

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

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

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

WASTEHAULERS

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

WWTP OPERATIONS

- Decanting digesters and wasting weekly.
- Normal operations.

WWTP MAINTENANCE AND REPAIR

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

SAFETY

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

REGULATORY AGENCY, INSPECTION AND REPORT

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

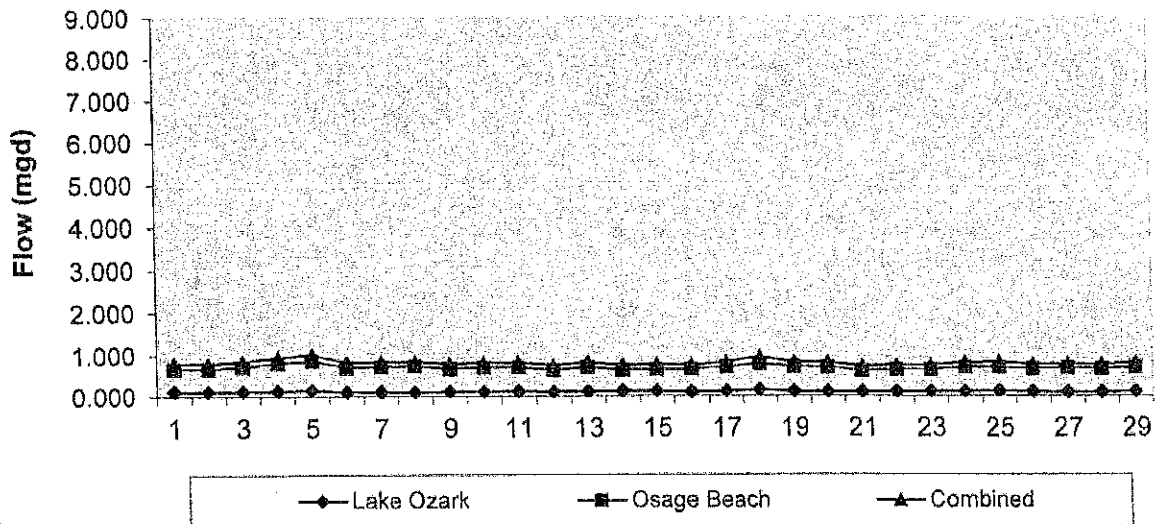
MISCELLANEOUS AND RECOMMENDATIONS

TABLE A
LAKE OZARK/OSAGE BEACH WWTP

MONTH OF February 2024

DATE		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-Feb	0	0.129	0.669	0.798	16.2	83.8						
2-Feb	0	0.127	0.671	0.798	15.9	84.1	340	223	220	320	152	218
3-Feb	0	0.131	0.728	0.859	15.3	84.7						
4-Feb	0.6	0.140	0.815	0.955	14.7	85.3						
5-Feb	0	0.153	0.868	1.021	15.0	85.0						
6-Feb	0	0.121	0.713	0.834	14.5	85.5						
7-Feb	0	0.121	0.724	0.845	14.3	85.7						
8-Feb	0	0.112	0.740	0.852	13.1	86.9						
9-Feb	0	0.117	0.673	0.790	14.8	85.2	175	265	240	180	228	218
10-Feb	0	0.119	0.700	0.819	14.5	85.5						
11-Feb	0	0.130	0.700	0.830	15.7	84.3						
12-Feb	0	0.114	0.629	0.743	15.3	84.7						
13-Feb	0	0.121	0.705	0.826	14.6	85.4						
14-Feb	0	0.123	0.635	0.758	16.2	83.8						
15-Feb	0	0.126	0.643	0.769	16.4	83.6						
16-Feb	0	0.108	0.650	0.758	14.2	85.8	265	310	278	148	350	322
17-Feb	0.5	0.123	0.709	0.832	14.8	85.2						
18-Feb	0	0.157	0.785	0.942	16.7	83.3						
19-Feb	0	0.119	0.711	0.830	14.3	85.7						
20-Feb	0	0.113	0.698	0.811	13.9	86.1						
21-Feb	0	0.108	0.611	0.719	15.0	85.0						
22-Feb	0	0.106	0.636	0.742	14.3	85.7						
23-Feb	0	0.115	0.636	0.751	15.3	84.7	273	280	278	186	328	462
24-Feb	0	0.114	0.696	0.810	14.1	85.9						
25-Feb	0	0.125	0.699	0.824	15.2	84.8						
26-Feb	0	0.113	0.658	0.771	14.7	85.3						
27-Feb	0	0.094	0.687	0.781	12.0	88.0						
28-Feb	0	0.101	0.666	0.767	13.2	86.8						
29-Feb	0	0.111	0.693	0.804	13.8	86.2						
SUM	1.1	3.491	20.148	23.639								
AVG		0.120	0.695	0.815	15	85	263	270	254	209	265	305
NOTE: BOLD PRINT INDICATES WEEKEND DAYS												

Daily Flow
Figure 1



Effect of Rainfall on Flow
Figure 2

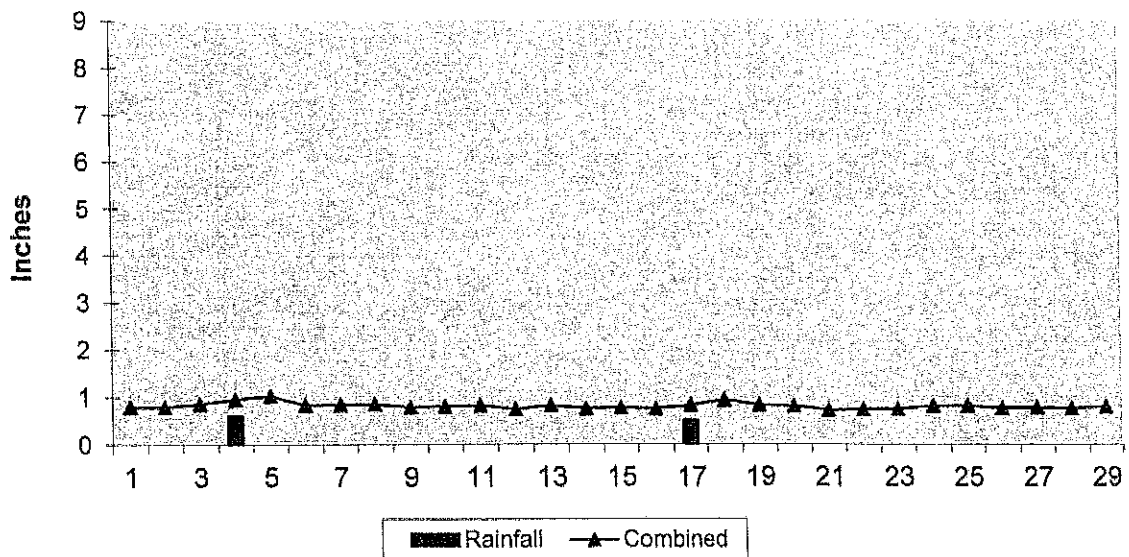
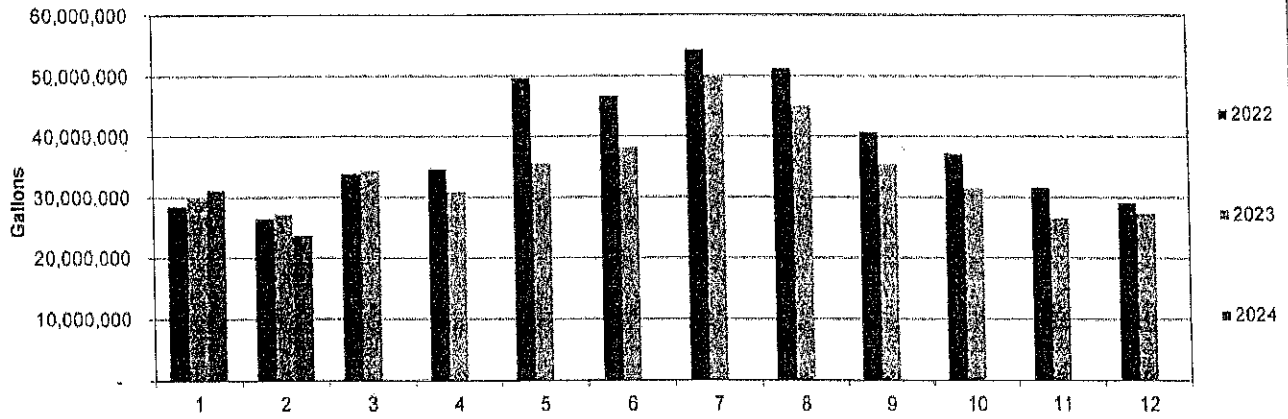


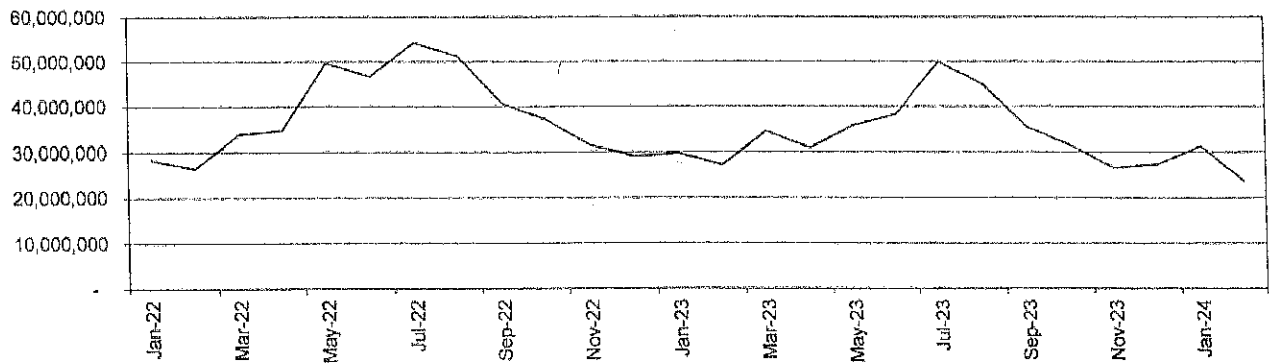
TABLE B
JOINT SEWER BOARD
Monthly Flows

<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%
<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	1.0	22,375,000	84%	4,282,000	16%	26,657,000	100%
December	3.4	23,026,000	84%	4,445,000	16%	27,471,000	100%
	42.7	349,262,000	85%	63,319,000	15%	412,581,000	100%
<u>2024</u>	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	4.8	26,487,000	85%	4,806,000	15%	31,293,000	100%
February	1.1	20,148,000	85%	3,491,000	15%	23,639,000	100%
March							
April							
May							
June							
July							
August							
September							
October							
November							
December							
	5.9	46,635,000	85%	8,297,000	15%	54,932,000	100%

Monthly Influent Flow
Figure 3A

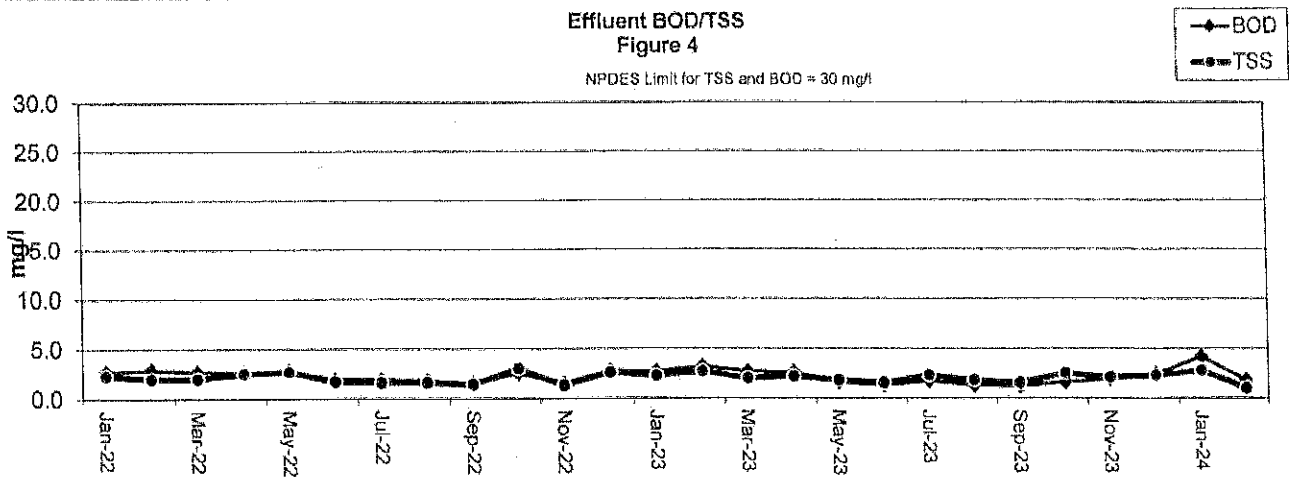


Monthly Influent Flow
Figure 3B

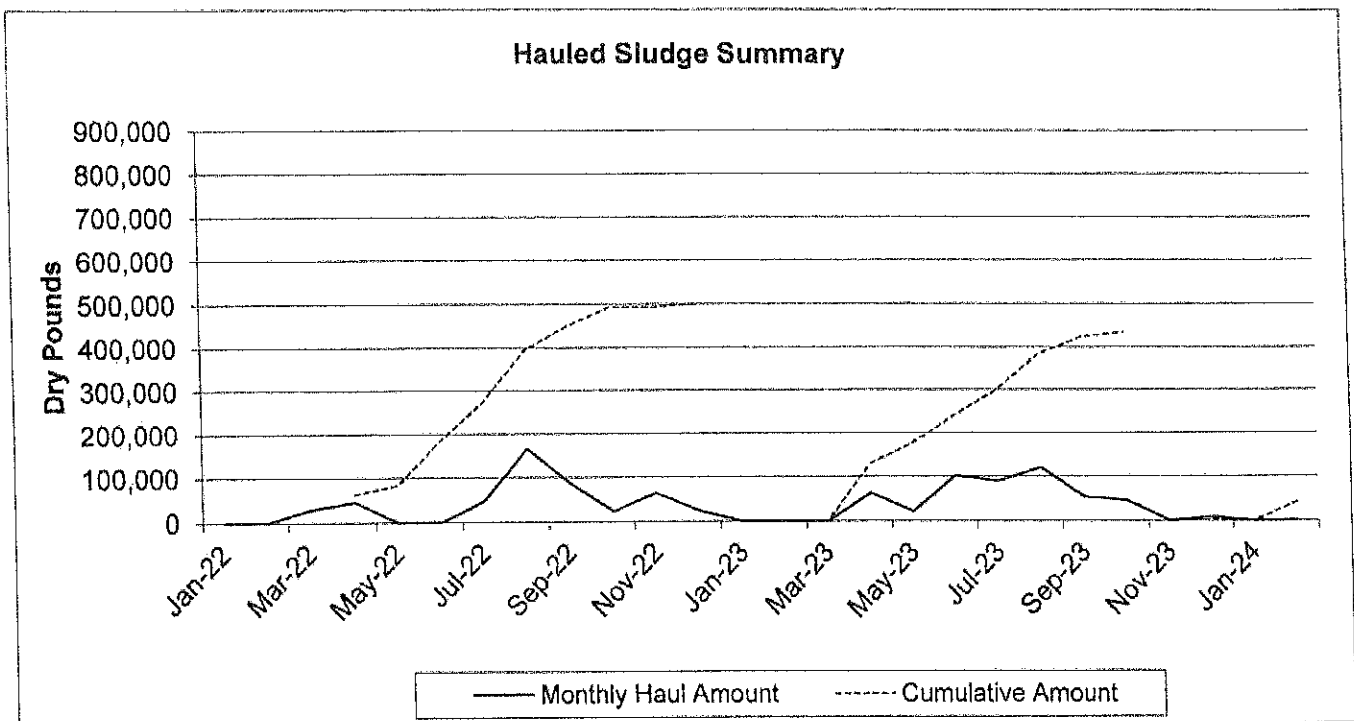
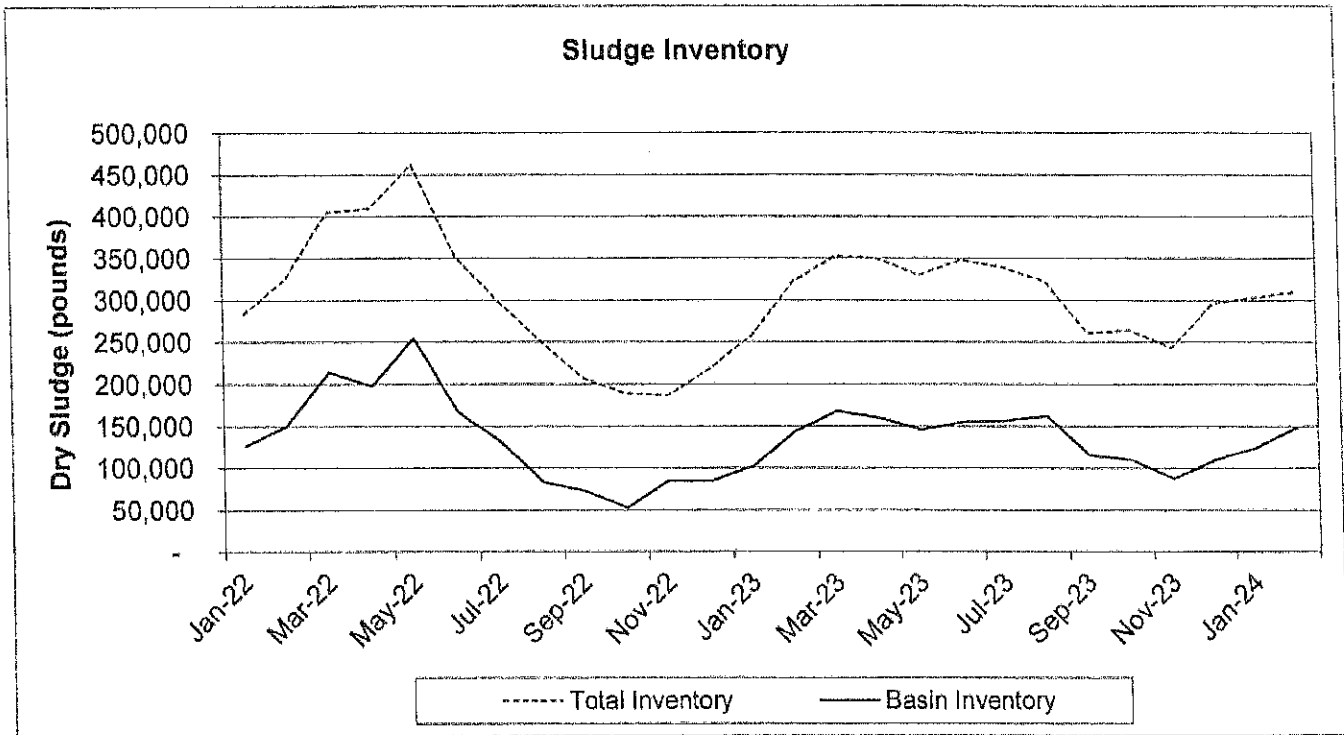


Effluent BOD/TSS
Figure 4

NPDES Limit for TSS and BOD = 30 mg/l

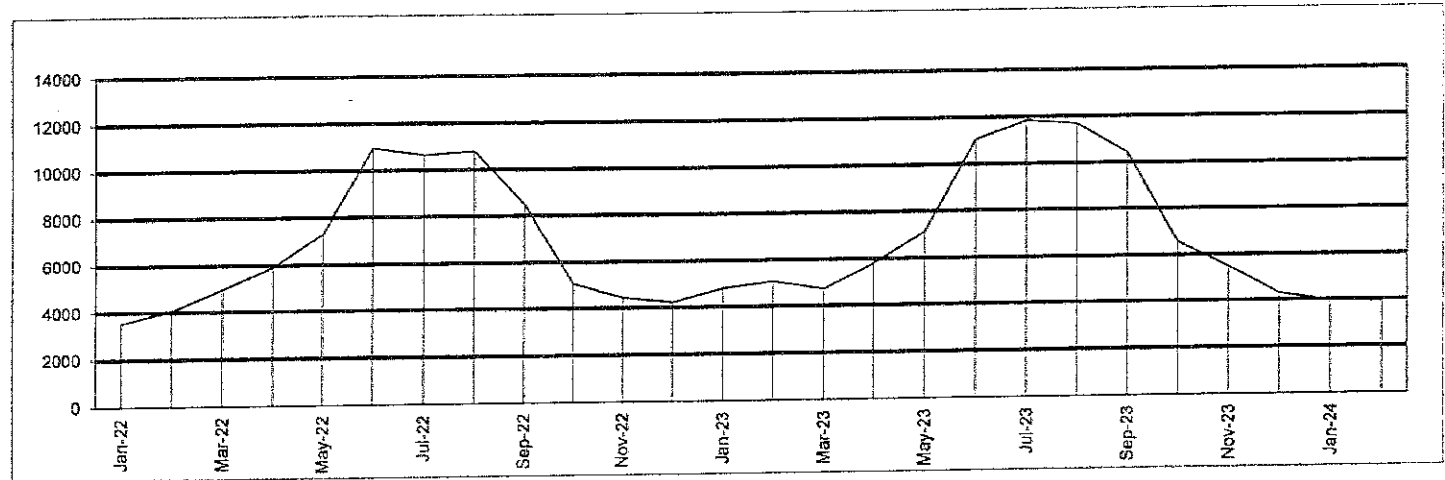


	Hauled Sludge					Basin Depths					Blanket Depths			MLSS Inventory		Blanket and MLSS Inventory		MLSS	Total Dry	Accepted Septage	
	Loads	Gallons	# Dry	% Solids	Annual Cumulative # Dry	Tank #1	Tank #2	AB #1	Basin Gallons	# Dry	Clarif #1	Clarif #2	Clarif #3	MLSS AB #1	MLSS AB #2	Gallons	# Dry	% Solids	Sludge Inventory	Loads	Gallons
Jan-22	0	-	0	4.5%		4.5	3.0	0.0	337,500	126,664	1.0	3.5	0.0	5,050	5,180	3,679,929	157,136	0.0051	283,600	13	27,000
Feb-22	0	-	0	4.0%		7.0	3.0	0.0	450,000	150,120	4.0	1.5	0.0	6,280	5,030	3,697,691	174,393	0.0057	324,513	32	68,000
Mar-22	0	-	0	4.4%		6.0	7.0	0.0	585,000	214,672	9.0	10.0	0.0	5,870	5,760	3,937,478	190,464	0.0058	405,135	23	48,000
Apr-22	47	169,200	62,120	4.4%	62,120	7.0	5.0	0.0	540,000	198,255	10.0	10.0	1.0	7,100	5,600	3,998,666	211,765	0.0064	410,021	52	124,500
May-22	16	57,600	21,017	4.4%	83,137	8.5	7.0	0.0	697,500	254,503	2.0	10.0	1.0	6,290	6,630	3,856,572	207,778	0.0055	462,281	37	85,000
Jun-22	84	302,400	102,052	4.0%	185,189	7.0	4.0	0.0	485,000	167,049	4.5	0.5	1.5	5,760	6,010	3,753,952	184,247	0.0059	351,297	42	93,500
Jul-22	80	288,000	88,961	3.7%	274,150	7.0	2.5	0.0	427,500	132,051	8.0	3.0	1.5	4,740	5,860	3,860,524	166,266	0.0052	298,348	33	68,500
Aug-22	108	388,600	120,426	3.7%	394,576	2.0	4.0	0.0	270,000	83,629	1.5	1.0	0.5	5,490	5,420	3,666,119	166,789	0.0055	250,418	168	300,000
Sep-22	51	183,600	54,073	3.5%	448,649	3.5	2.0	0.0	247,500	72,993	1.0	1.0	0.5	4,650	4,160	3,657,238	134,359	0.0044	207,251	76	188,000
Oct-22	42	151,200	44,405	3.5%	493,054	1.0	3.0	0.0	180,000	52,963	0.5	0.5	0.5	4,590	4,390	3,639,476	136,286	0.0045	189,149	33	71,000
Nov-22	0	-	0	3.5%	493,054	4.0	2.5	0.0	292,500	85,381	1.0	1.0	0.0	4,330	2,340	3,635,524	101,573	0.0034	186,954	38	89,500
Dec-22	8	28,800	7,746	3.2%	500,800	4.0	3.0	0.0	315,000	84,722	1.5	1.5	0.0	4,510	4,270	3,653,286	133,756	0.0044	218,478	33	71,500
Jan-23	0	-	0	3.2%	-	5.0	3.5	0.0	382,500	102,082	1.0	1.0	0.0	4,880	5,380	3,635,524	155,543	0.0051	257,625	35	74,500
Feb-23	0	-	0	3.2%	-	6.5	5.5	0.0	540,000	144,115	2.0	2.0	0.0	6,060	5,570	3,671,048	177,882	0.0058	321,997	38	87,500
Mar-23	0	-	0	3.2%	-	7.0	7.0	0.0	630,000	168,134	1.0	2.0	1.0	5,310	6,640	3,695,714	184,213	0.0060	352,347	50	115,500
Apr-23	116	417,000	129,223	3.7%	129,223	7.5	4.0	0.0	517,500	160,367	1.0	1.0	1.0	6,200	6,170	3,678,952	189,771	0.0062	350,138	82	171,500
May-23	48	172,800	46,747	3.2%	175,970	6.0	6.0	0.0	540,000	146,084	0.5	9.0	0.5	5,120	6,530	3,790,453	184,142	0.0058	330,226	49	102,500
Jun-23	58	208,800	65,362	3.8%	241,332	6.0	5.0	0.0	495,000	154,953	1.5	4.0	0.5	6,020	6,440	3,719,405	193,254	0.0062	348,207	59	131,500
Jul-23	51	183,600	58,307	3.6%	299,639	6.0	5.0	0.0	495,000	157,200	2.0	3.5	0.5	6,030	5,710	3,719,405	182,086	0.0059	339,287	61	120,500
Aug-23	74	266,400	83,537	3.8%	383,226	7.0	4.5	0.0	517,500	162,373	1.0	1.0	0.5	5,600	4,910	3,657,238	160,285	0.0053	322,658	27	66,500
Sep-23	34	122,400	39,271	3.8%	422,497	7.5	0.5	0.0	360,000	115,503	1.0	1.0	0.5	4,780	4,750	3,657,238	145,339	0.0048	260,842	84	164,000
Oct-23	9.5	34,200	11,124	3.9%	433,621	7.5	0.0	0.0	337,500	109,775	0.5	0.5	0.5	4,530	5,860	3,639,476	154,650	0.0051	264,426	40	85,500
Nov-23	0	-	0	3.9%	-	3.0	3.0	0.0	270,000	87,920	2.0	2.0	0.5	4,550	5,540	3,692,762	155,374	0.0050	243,194	30	59,000
Dec-23	0	-	0	3.9%	-	4.5	3.0	0.0	337,500	109,775	1.0	3.0	0.0	5,730	6,450	3,671,048	186,455	0.0061	299,230	29	77,000
Jan-24	0	-	0	3.9%	-	5.5	3.0	0.0	382,500	124,412	1.0	5.0	0.0	5,470	6,100	3,706,572	178,831	0.0058	303,243	23	43,000
Feb-24	36	128,600	40,863	3.8%	40,863	7.0	3.5	0.0	472,500	148,980	0.5	1.0	0.0	5,120	5,530	3,626,643	161,061	0.0053	310,041	21	40,000

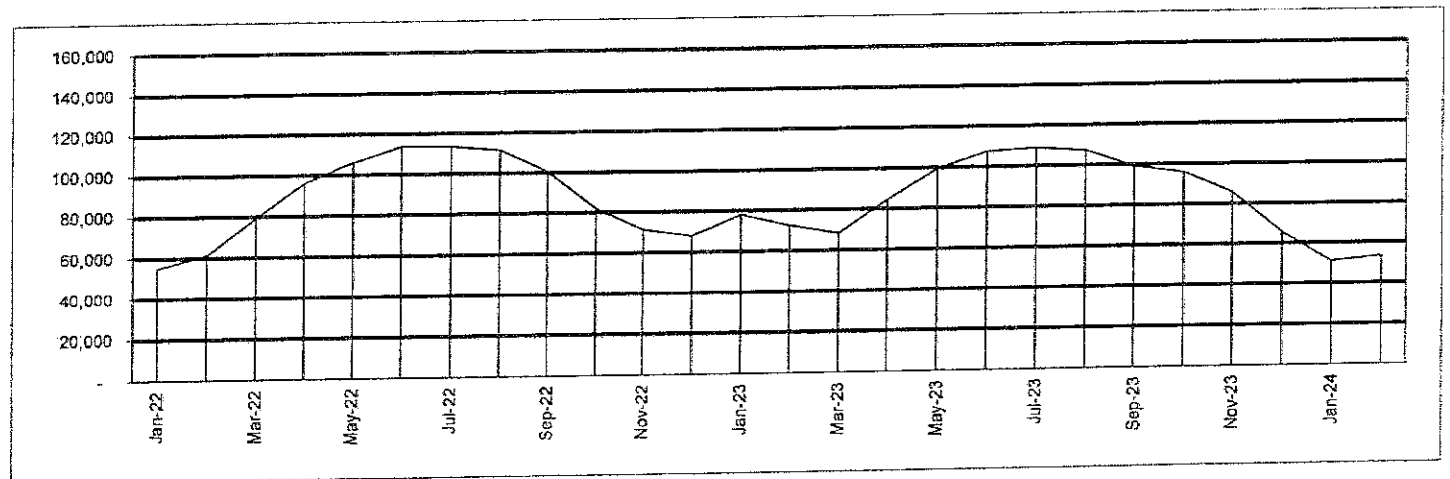


	<u>Electric Cost</u>	<u>Kilowatts Used</u>
Jan-22	3547	55,070
Feb-22	4063	61,330
Mar-22	4979	79,050
Apr-22	5907	96,160
May-22	7292	106,100
Jun-22	10958	113,870
Jul-22	10648	113,590
Aug-22	10800	111,690
Sep-22	8498	100,470
Oct-22	5071	82,030
Nov-22	4451	71,240
Dec-22	4224	68,000
Jan-23	4809	77,980
Feb-23	5074	72,420
Mar-23	4730	68,320
Apr-23	5801	84,440
May-23	7128	99,300
Jun-23	11076	107,520
Jul-23	11845	109,070
Aug-23	11697	107,330
Sep-23	10438	99,140
Oct-23	6553	96,000
Nov-23	5474	85,570
Dec-23	4293	65,618
Jan-24	3972	51,236
Feb-24	3925	53,460

Electric Cost



Kilowatts Used



Lake Ozark/Osage Beach WWTP
Phosphorus Removal

	Inf. mg/L	Eff. mg/L		Inf. mg/L	Eff. mg/L		Inf. mg/L	Eff. mg/L
Jan-22	4.8	1.9	Jan-23	4.9	2.7	Jan-24	5.3	3.3
Feb-22	4.6	1.7	Feb-23	5.9	3.0	Feb-24	5.3	2.8
Mar-22	4.9	2.9	Mar-23	5.1	2.9	Mar-24		
Apr-22	4.7	2.9	Apr-23	6.0	3.2	Apr-24		
May-22	4.4	2.8	May-23	5.6	1.9	May-24		
Jun-22	4.4	3.7	Jun-23	6.2	2.8	Jun-24		
Jul-22	6.2	2.8	Jul-23	7.2	0.6	Jul-24		
Aug-22	3.5	1.0	Aug-23	4.7	0.6	Aug-24		
Sep-22	5.3	4.5	Sep-23	5.0	4.6	Sep-24		
Oct-22	6.1	6.8	Oct-23	7.0	6.6	Oct-24		
Nov-22	4.8	3.6	Nov-23	7.6	5.4	Nov-24		
Dec-22	4.8	2.8	Dec-23	5.9	3.6	Dec-24		
Avg.	4.9	3.1	Avg.	5.9	3.2	Avg.	5.3	3.0

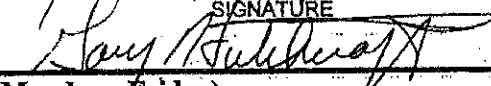
NAME OF FACILITY							LOCATION ADDRESS & CITY							COUNTY/REGION	
Lake of the Ozarks Regional WWTP #1							#3 Anderson Road							Miller/SWRO	
MONTH/YEAR		PERMIT NUMBER					OUTFALL NUMBER		TYPE TREATMENT FACILITY						
Feb-24		MO-0103241					#001		Oxidation Ditch/UV/Sludge Holding-sludge is land applied						
INFLUENT						EFFLUENT								% Removal	
DATE	pH UNITS	BOD mg/L	TSS mg/L	Ammonia as N mg/l	TEMP °C	FLOW MGD	pH UNITS	BOD mg/L	TSS mg/L	Ammonia as N mg/l	DO mg/L	E. coli COLFRM #/100 ML	TEMP °C	BOD mg/L	TSS mg/L
1	6.9				11.9	0.955	7.4				13.4		9.9		
2	6.9	220	218		11.9	1.085	7.4	2.1	0.5		13.6		9.9	99.0	99.8
3	7.0				11.7	1.130	7.6				12.5		10.8		
4	7.1				11.8	1.231	7.9				12.0		10.6		
5	7.1				11.6	1.296	7.9				10.6		10.3		
6	7.0				11.6	1.106	7.7				10.8		9.8		
7	7.0			31.6	12.8	1.108	7.7			0.01	10.8		11.6		
8	6.9				13.3	1.115	7.6				10.3		12.1		
9	6.9	240	218		12.0	1.080	7.5	1.6	0.3		10.4		11.3	99.3	99.9
10	6.8				13.1	1.010	7.2				10.2		12.2		
11	7.1				12.6	1.067	7.6				10.4		10.8		
12	7.1				12.6	1.000	7.8				10.6		10.3		
13	6.9				11.0	1.083	7.5				10.8		9.7		
14	7.2			42.4	13.3	1.019	7.8			0.06	10.6		10.6		
15	6.8				11.7	1.025	7.5				10.6		11.2		
16	7.0	278	322		11.5	0.966	7.6	1.7	1.4		10.5		10.7	99.4	99.6
17	7.1				8.7	1.099	8.0				10.8		7.1		
18	7.3				9.8	1.199	7.8				10.9		8.1		
19	7.0				10.8	1.080	7.7				11.0		9.0		
20	7.0				11.2	1.038	7.7				10.8		10.2		
21	6.8			22.9	11.8	0.965	7.5			0.02	10.8		10.7		
22	7.0				12.9	0.993	7.6				10.3		12.4		
23	6.9	278	462		12.3	1.021	7.9	1.8	1.6		10.0		11.5	99.4	99.7
24	6.9				12.3	0.993	7.3				10.2		11.1		
25	7.2				12.4	1.079	7.8				10.4		11.6		
26	7.1				13.7	0.995	7.8				10.1		11.4		
27	6.9				13.4	0.955	7.8				9.6		13.4		
28	7.0			14.9	11.6	1.008	7.8			0.06	9.9		11.3		
29	7.0				12.4	0.982	7.9				10.0		12.5		
Total						30.683									
Avg		254	305	28.0	12.0	1.058		1.8	1.0	0.04	10.8	0.0	10.8	99.3	99.7
Min	6.8	220	218	14.9	8.7	0.955	7.2	1.6	0.3	0.01	9.6	0.0	7.1	99.0	99.6
Max	7.3	278	462	42.4	13.7	1.296	8.0								

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	2.83	1.43	2.69	< 2.0	< 0.002	< 0.04	321	5.30	49.6	< 0.03
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
Total	2.83	1.43	2.69	< 2.0	< 0.002	< 0.04	321	5.30	49.6	< 0.03
Avg	2.83	1.43	2.69	< 2.0	< 0.002	< 0.04	321	5.30	49.6	< 0.03
Min	2.83	1.43	2.69	< 2.0	< 0.002	< 0.04	321	5.30	49.6	< 0.03
Max	2.83	1.43	2.69	< 2.0	< 0.002	< 0.04	321	5.30	49.6	< 0.03

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

DATE Jan-23	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		5.3	5,090	740	10.4	4.0	5,440	820	10.7	39	0	7:30
2		4.2	5,590	770	11.1	4.8	5,280	760	11.6	44	0	7:30
3		4.4	5,590	790	11.2	4.1	5,550	790	11.8	50	0	7:30
4		3.3	5,380	770	11.1	2.9	5,780	790	11.6	48	0.6	7:30
5		2.0	5,310	750	10.6	1.9	5,750	800	11.2	36	0	7:30
6		2.2	5,510	730	10.1	2.0	5,660	770	10.5	32	0	7:30
7		1.8	6,080	780	11.5	1.7	5,350	760	11.7	39	0	7:30
8		1.9	5,910	760	12.3	1.8	5,580	700	12.3	54	0	7:30
9		2.0	5,310	700	11.6	1.8	5,670	820	11.9	42	0	7:30
10		1.8	5,420	650	12.0	1.9	5,970	800	12.2	43	0	7:30
11		2.2	5,440	750	11.0	2.5	5,900	840	11.3	32	0	7:30
12		2.4	5,180	660	10.7	1.8	5,800	800	10.8	41	0	7:30
13		2.7	5,670	790	10.0	1.9	5,560	840	10.3	32	0	7:30
14		1.7	5,980	800	10.6	1.8	5,650	780	11.0	36	0	7:30
15		1.8	5,680	760	11.2	1.9	5,770	800	11.4	50	0	7:30
16		2.0	5,090	640	10.8	1.8	6,010	820	11.2	39	0	7:30
17		2.7	4,910	710	8.8	2.4	6,080	850	8.9	24	0.5	7:30
18		3.3	5,090	760	9.0	2.3	5,980	880	9.1	30	0	7:30
19		3.0	5,050	750	9.3	2.1	5,830	860	9.6	29	0	7:30
20	4,684	2.2	5,360	790	10.5	2.1	5,620	810	10.3	35	0	7:30
21	9,367	2.1	5,660	800	10.5	2.0	5,810	840	10.6	40	0	7:30
22	6,005	1.9	5,910	800	12.5	2.1	5,730	810	12.6	50	0	7:30
23		1.8	5,650	770	11.8	2.3	6,030	860	11.9	40	0	7:30
24		1.9	5,450	700	11.4	2.0	5,970	840	11.6	39	0	7:30
25		1.7	5,570	740	12.0	2.1	6,180	840	11.9	40	0	7:30
26	6,125	2.3	5,000	640	12.1	1.7	6,370	840	12.4	40	0	7:30
27	8,197	1.8	5,530	710	13.6	1.7	6,090	800	13.5	53	0	7:30
28		2.0	5,610	780	11.6	1.9	5,800	840	12.0	29	0	7:30
29	6,485	1.9	5,120	760	12.3	2.0	5,530	780	12.5	27	0	7:30

COMMENTS:

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

*Required Daily (Monday - Friday)

**Required 1/week

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

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

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

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

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
Flow, in conduit or thru treatment plant	*****	*****	*****	*****	1,296	1,058	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	1.8	mg/l.	*****	*****	*****
Mon. Location.: End of Pipe	*****;*****	Weekly Avg.:45	Monthly Avg.:30		*****;*****	*****;*****	
Sample Type: 24 Hour Composite							
Frequency: Weekly							
Total Suspended Solids (TSS)	*****	1.6	1.0	mg/L	*****	*****	*****
Mon. Location.: End of Pipe	*****;*****	Weekly Avg.:45	Monthly Avg.:30		*****;*****	*****;*****	
Sample Type: 24 Hour Composite							
Frequency: Weekly							
Phosphorus, total (as P)	2.83	*****	2.83	mg/L	*****	*****	*****
Mon. Location.: End of Pipe	Daily Max.:Monitoring Required	*****;*****	Monthly Avg.:Monitoring Required		*****;*****	*****;*****	
Sample Type: 24 Hour Composite							
Frequency: Monthly							
Nitrogen, Kjeldahl, total (as N)	1.43	*****	1.43	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)	2.69	*****	2.69	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)	0.06	*****	0.04	mg/L	*****	*****	*****
Mon. Location.: End of Pipe	Daily Max.:10.1	*****;*****	Monthly Avg.:2.7		*****;*****	*****;*****	
Sample Type: 24 Hour Composite							
Frequency: Weekly							

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

pH	7.2	*****	8.0	SU	*****	*****	*****
Mon. Location.: End of Pipe	Minimum:6.0	*****:*****	Maximum:9.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Weekly							
BOD, 5-day, percent removal	*****	*****	99.0	%	*****	*****	*****
Mon. Location.: End of Pipe	*****:*****	*****:*****	Monthly Avg. Min.:85		*****:*****	*****:*****	
Sample Type: Calculated							
Frequency: Monthly							
Suspended Solids, percent removal	*****	*****	99.6	%	*****	*****	*****
Mon. Location.: End of Pipe	*****:*****	*****:*****	Monthly Avg. Min.:85		*****:*****	*****:*****	
Sample Type: Calculated							
Frequency: Monthly							
Comments:							

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

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

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

Permit Number	Outfall Number
MO0103241	INFIM
Monitoring Period	
2/1/24	2/29/24
NODI:	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
BOD, 5-day, 20 deg. C	*****	*****	254	mg/L	*****	*****	*****
Mon. Location.: Influent	*****;*****	*****;*****	Monthly Avg.:Monitoring Required		*****;*****	*****;*****	
Sample Type: 24 Hour Composite							
Frequency: Monthly							
Total Suspended Solids (TSS)	*****	*****	305	mg/L	*****	*****	*****
Mon. Location.: Influent	*****;*****	*****;*****	Monthly Avg.:Monitoring Required		*****;*****	*****;*****	
Sample Type: 24 Hour Composite							
Frequency: Monthly							
Nitrogen, ammonia total (as N)	42.4	*****	28.0	mg/L	*****	*****	*****
Mon. Location.: Influent	Daily Max.:Monitoring Required	*****;*****	Monthly Avg.:Monitoring Required		*****;*****	*****;*****	
Sample Type: 24 Hour Composite							
Frequency: Monthly							
Phosphorus, total (as P)	5.30	*****	5.30	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)	49.6	*****	49.6	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 Hutchcraft

Submission Date
March 7, 2024

User Phone Number
(573)365-0455

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	
1/1/24	3/31/24
NODI:	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
Oil and grease	<2.0	*****	<2.0	mg/L	*****	*****	*****
Mon. Location.: End of Pipe	Daily Max.:15	*****;*****	Monthly Avg.:10		*****;*****	*****;*****	
Sample Type: Grab							
Frequency: Quarterly							
Cadmium, total recoverable	<0.002	*****	<0.002	ug/L	*****	*****	*****
Mon. Location.: End of Pipe	Daily Max.:Monitoring Required	*****;*****	Monthly Avg.:Monitoring Required		*****;*****	*****;*****	
Sample Type: 24 Hour Composite							
Frequency: Quarterly							
Selenium (Se), total recoverable	<0.04	*****	<0.04	ug/L	*****	*****	*****
Mon. Location.: End of Pipe	Daily Max.:Monitoring Required	*****;*****	Monthly Avg.:Monitoring Required		*****;*****	*****;*****	
Sample Type: 24 Hour Composite							
Frequency: Quarterly							
Hardness, total (as CaCO3)	321	*****	321	mg/L	*****	*****	*****
Mon. Location.: End of Pipe	Daily Max.:Monitoring Required	*****;*****	Monthly Avg.:Monitoring Required		*****;*****	*****;*****	
Sample Type: Grab							
Frequency: Quarterly							

Comments:

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

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

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

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

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

LAKE OZARKOSAGE BEACH WWTP
Operation Report

For February 2024

DATE	TIME	PLANT EFFLUENT										TREATMENT EFFLUENT										WATER QUALITY									
		Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)
1	MURGR	0.127	0.662	0.798																											
2	MURGR	0.127	0.671	0.798																											
3	GH	0.131	0.728	0.859																											
4	GH	0.140	0.815	0.955																											
5	GH	0.155	0.868	1.021																											
6	MURGR	0.121	0.713	0.834																											
7	MURGR	0.121	0.724	0.845																											
8	MURGR	0.112	0.740	0.852																											
9	MURGR	0.117	0.673	0.790																											
10	MURGR	0.119	0.700	0.819																											
11	MURGR	0.130	0.700	0.830																											
12	MURGR	0.124	0.629	0.743																											
13	MURGR	0.121	0.705	0.828																											
14	MURGR	0.123	0.635	0.758																											
15	MURGR	0.126	0.641	0.765																											
16	MURGR	0.108	0.650	0.738																											
17	JFH	0.123	0.730	0.832																											
18	JFH	0.157	0.785	0.942																											
19	JFH	0.119	0.711	0.830																											
20	JFH	0.133	0.698	0.811																											
21	JFH	0.108	0.611	0.719																											
22	JFH	0.106	0.636	0.742																											
23	MURGR	0.115	0.636	0.751																											
24	MURGR	0.114	0.606	0.710																											
25	MURGR	0.125	0.690	0.824																											
26	GH	0.113	0.658	0.771																											
27	JFH	0.091	0.687	0.781																											
28	MURGR	0.101	0.666	0.767																											
29	JFH	0.111	0.693	0.804																											
TOTAL		3.491	20.348	23.639																											
MAX		0.157	0.868	1.021																											
MIN		0.091	0.611	0.719																											
AVG		0.120	0.693	0.815																											

Use following abbreviations: R=rain, S=snow, O=overcast, C=clear, PC=partly cloudy

Prepared by MR. JFH, GH

Approved by GH

Date 3/5/2024