

**OSAGE BEACH / LAKE OZARK
JOINT SEWER BOARD MEETING
AGENDA
August 16th, 2022 @ 4:00 p.m.
LAKE OZARK CITY HALL**

1. CALL TO ORDER

2. ROLL CALL

Mayor, Lake Ozark, Dennis Newberry
Mayor, Osage Beach, Michael Harmison
City Administrator, Osage Beach, Jeana Woods
City Administrator, Lake Ozark, David Mitchem
Alderman, Osage Beach, Kevin Rucker
Alderman, Lake Ozark, Pat Thompson
Public Works Director, Lake Ozark, Matt Michalik
Public Works Operations Manager, Osage Beach, Kevin Crooks
Member at Large, Mr. Gary Hamner

3. MINUTES

Page Numbers

Regular Meeting: July 19th, 2022 2-3

4. REPORTS

Bill List	4-13
Revenue Budget Analysis	14
Expenditure Budget Analysis	15
Income & Expense Summary	16

July 2022 Alliance Report of Operations 17-42

Approval of Flow Chart; July 2022

5. OLD BUSINESS

A. Board Representative Update

6. NEW BUSINESS

A. Discussion and approval of the bids for the handrailing for the steps going down to the outfall. 21

7. ADDITIONAL DISCUSSION ITEMS

8. ADJOURNMENT

THE NEXT MEETING WILL BE September 20th, 2022 4:00 PM @ LAKE OZARK CITY HALL

**LAKE OZARK-OSAGE BEACH
JOINT SEWER BOARD
Meeting Minutes – July 19th , 2022**

CALL TO ORDER:

Mayor Michael Harmison called the meeting to order at 4:00 pm on Tuesday July 19th, 2022 at Lake Ozark City Hall.

ROLL CALL:

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

MINUTES:

Alderman Lake Ozark, Pat Thompson motioned to approve the meeting minutes from June 21st 2022. Her motion was seconded by City Administrator Osage Beach, Jeana Woods Mitchem and passed unanimously.

REPORTS:

- Bill List – Motion to approve by Alderman Osage Beach, Kevin Rucker. His motion was seconded by City Administrator Osage Beach, Jeana Woods. Passed unanimously.
- Revenue Budget Analysis.
- Expenditure Budget Analysis.
- Income & Expense Summary, Check Registers and Bank Statements were reviewed.

ALLIANCE REPORT OF OPERATIONS:

Alliance Report of Operations: The average daily incoming flow for May was 1.556 mgd. We had 3.3 inches of precipitation in June measured at the WWTP.

Operationally, the plant's discharge was excellent, with an effluent monthly average BOD and TSS of 1.9 mg/l and 1.7 mg/l respectively for June which represents a 99.1 + % or better removal.

The MLSS average for both aeration basins was 6,383 mg/l in June. There were 84 loads of biosolids or 302,400 gallons land applied in June. We received 42 loads of septage or 93,500 gallons for June.

APPROVAL OF FLOW CHART

Motion was made by Alderman Lake Ozark, Pat Thompson to approve the Flow Charts for June 2022. Her motion was seconded by City Administrator Osage Beach, Jeana Woods. Unanimous approval, motion passed.

OLD BUSINESS:

A. Board Representative Update. No update

B. **NEW BUSINESS:**

- A. Invited four vendors to bid on the parking lot sealcoat/slurry seal at the treatment plant. Three vendors provided bids. Motion made by Alderman Lake Ozark, Pat Thompson to approve the Bid in the amount of \$2,275.00 provided by Charlton Paving & SlurrySeal. Her motion was seconded by Public Works Operations Manager, Kevin Crooks. Unanimously passed.

ADDITIONAL DISCUSSION ITEMS:

Zeller Technologies was awarded the contract for the Aeration Gear Box Replacement project.

ADJOURNMENT:

With no further business to discuss, the meeting adjourned at 4:38 pm.

Approved on:

Mayor, Michael Harmison

Clerk, Robin Craig

JOINT SEWER BOARD
BILL LIST
AUGUST 16, 2022

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:	\$ 6,302.69
OPERATING FUND BILLS TO BE PAID:	\$ 50,475.45
EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:	\$ -
EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:	\$ 1,395.35
TOTAL	\$ 58,173.49

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:

Account	Check	Paid To:	Description:	Amount:
4240	622	USA Blue Book	Analog Stirrer	\$ 202.69
4020	624	Ash/Ahart Concrete Const.	Concrete Steps	\$ 6,100.00
TOTAL				\$ 6,302.69

OPERATING FUND BILLS TO BE PAID:

Account	Check	Paid To:	Description:	Amount:
4000	1001	Equipment Replacement Fund	Payment into ER Fund	\$ 4,584.00
4020	1002	Catalyst Electric	Bar Screen Controls Repair	\$ 211.25
4020	1003	Charlton Paving & Slurryseal	Parking Lot Slurryseal	\$ 2,275.00
4020	1004	JCI Industries, Inc.	Repair RAS Pump	\$ 2,300.00
4020	1005	Majestic Franchising Inc.	August	\$ 197.15
4020	1006	M/C QuickBooks	Accounting Software	\$ 25.00
4020	1006	M/C Fastenco	Bolts for loading station	\$ 31.20
4020	1007	Menards	Lab Refrigerator w/ice maker	\$ 1,060.99
4020	1007	Menards	Cleaning & RAS Supplies	\$ 63.50
4020	1007	Menards	Bolts & Nuts for RAS Pumps	\$ 20.31
4020	1007	Menards	Sanding Wheel	\$ 4.49
4020	1007	Menards	Safety Mat	\$ 139.88
4020	1007	Menards	Refrigerator install parts	\$ 110.73
4020	1007	Menards	Parking Lot Curbs	\$ 299.94
4020	1007	Menards	Safety Mat	\$ 139.88
4020	1007	Menards	Return - Safety Mat	\$ (69.94)
4020	1008	Milwaukee Rubber Products	Hose End for Loading Station	\$ 69.23
4020	1009	O'Reilly	Bearings for bar screens	\$ 43.60
4150	1010	Crump Truck & Trailer	Sludge Trk PTO Repair	\$ 561.00
4170	1011	Alliance Water Resources, Inc.	August	\$ 27,590.00
4175	1012	Ameren MO	11673321	\$ 10,514.79
4175	1012	Ameren MO	98041275	\$ 132.86
4176	1013	AT&T	August	\$ 105.28
4176	1014	Republic	August	\$ 65.31
TOTAL				\$ 50,475.45

EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:

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

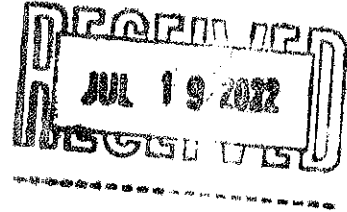
EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:

Account	Check	Paid To:	Description:	Amount:
4000	1069	USA Blue Book	Valve for Loading Station	\$ 297.91
4000	1069	USA Blue Book	DO Probe	\$ 1,097.44
TOTAL				\$ 1,395.35

ASH/AHART CONCRETE CONSTRUCTION, LLC
1695 Hwy. 52, Tuscumbia, MO 65082
Phone: 573-369-3243 / 369-3323 Mobile: 573-375-1272 / 216-0429



INVOICE
(For Billing Purposes Only)



Job Name: lake Ozark water treatment plant

Date: 7-18-22

Address: _____

Phone: _____

DESCRIPTION OF JOB BID	CHANGES TO ORIGINAL BID
Set and pour steps and pads for access to back door. STEPS GOING DOWN TO OUTFALL + PAD BY UV SYSTEM GL Acct#: <u>4020</u> Signature: <u>[Signature]</u> Date: <u>7/19/22</u>	

Estimated Cost: \$ _____

Changes: \$ _____

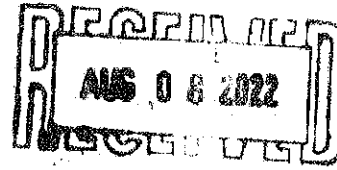
TOTAL AMOUNT DUE: \$ 6,100

Thank you for your Business



Charlton Paving & SlurrySeal LLC

Raymond Charlton
11596 Martin place
Hannibal Mo 63401
573-375-1022 or 573-822-9939
charltonpaving@yahoo.com



INVOICE

INV0424

DATE

Aug 2, 2022

DUE

On Receipt

BALANCE DUE

USD \$2,275.00

BILL TO

Joint Sewer Board / Gary Hutchcraft

3 Anderson rd
Lake Ozark Mo 65049
573-365-0455 cell 573-216-8398
ghutchcraft@alliancewater.com

DESCRIPTION	RATE	QTY	AMOUNT
SlurrySeal Clean and prep parking area Crackseal SlurrySeal entire lot	\$2,125.00	1	\$2,125.00
Pin parking stoppers in place	\$150.00	1	\$150.00
TOTAL			\$2,275.00
BALANCE DUE			USD \$2,275.00

Payment Info

BY CHECK
Charlton Paving

PARKING LOT SLURRYSEAL
GL Acct#: 4020
Signature: Gary Hutchcraft
Date: 8/8/22

Remit To:

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



INVOICE

Branch 06

JEFFERSON CITY

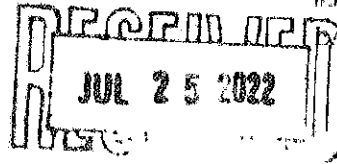
INVOICE	
8236570	
Invoice Date	Page
07/20/2022	1 of 1
ORDER NUMBER	
1211962	

Bill To:

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

Ship To:

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



Customer ID: 400263

PO Number					Term Description		Net Due Date		
GARY HUTCHCRAFT-15					Net 30		8/19/2022		
Order Date		Pick Ticket No		Primary Salesrep Name				Order Taker	
6/1/2022 15:50:30		3226083		Ben Reinkemeyer JJ				HHASKELL	
Quantities					Item ID Item Description		Pricing UOM	Unit Price	Extended Price
Ordered	Shipped	Remaining	UOM Unit Size	Qty			Unit Size		
1.00	1.00	0.00	EA		P FAIRBANKS 06-01-22		EA	2,300.00	2,300.00
			1.0		FAIRBANKS PUMP		1.0000		

Total Lines: 1

SUB-TOTAL: 2,300.00
TAX: 0.00
AMOUNT DUE: 2,300.00

Carrier: JCI TO DELIVER

Tracking #:

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

REPAIR RAS PUMP

GL Acct#: 4020

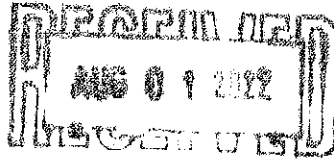
Signature: Gary Hutchcraft

Date: 7/25/22

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

ORIGINAL

* GUEST COPY *



JOINT SEWER BOARD
PO BOX 1985
#3 ANDERSON RD
LAKE OZARK
FAX # (573)

MO 65049

MENARDS - LAKE OZARK
1015 Barred Owl Lane
Lake Ozark, MO 65049

INVOICE # 30688

ACCOUNT : 32880271

TRANSACTION DATE : 06/08/22
TRANSACTION TIME : 100629
REGISTER NUMBER : 10
SIGNER : gary hutchraft

TRANSACTION # : 296
PURCHASE ORDER # : Gary
TYPE OF SALE : Charge Sale
CLAIM # : Gary

QUANTITY	SKU	DESCRIPTION	AMOUNT
1.00		DELIVERY	20.00
1.00		DELIVERY	3.00
1.00		DELIVERY	89.00
1.00	4538062	REFRIG 18.7CF BTM WHT	849.00
1.00	4534540	CRITERION ICE MAKER	99.99
1.00		DELIVERY	0.00

SUB-TOTAL: 1,060.99
TOTAL TAX: 0.00
PAYMENTS : 0.00
=====

TOTAL DUE: 1,060.99

NEW LAB REFRIGERATOR

GL Acct#: E/R

Signature: Gary Hutchcraft

Date: 8/11/22



- Pay by phone: 1.866.268.3729
- Pay by mail: PO Box 88068, Chicago, IL 60680-1068
- Pay online or manage your account: AmerenMissouri.com
- Customer Service: 1.877.426.3736

FOCUSED ENERGY. For life.

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

AMOUNT DUE \$10,514.79

Due Date 08/30/2022

Amount After Due Date \$10,619.94

Previous Statement \$10,717.98

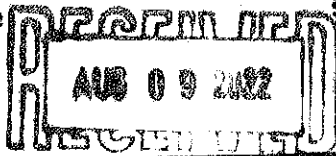
Total Payments \$10,717.98

Payment Received. Thank You.

Current Detail for Statement 08/09/2022

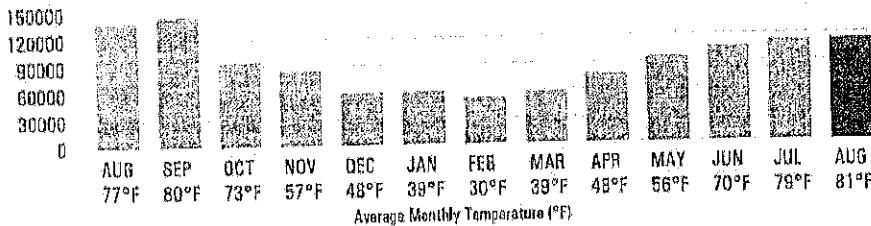
Total Electric Charges \$10,514.79

Total Amount Due \$10,514.79



Electric Usage History

Electric Usage in Kilowatt Hours (kWh)



Electric Usage Summary (kWh)

So far this year, you're using **3.4% less** than last year.

2021 697,760 kWh

2022 673,920 kWh

Usage from Jan-Aug for 2021 & 2022

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: 8/9/22

Keep this portion for your records.

» See next page for service details.

Please return this portion with your payment.



☐ Check if you have address changes on back.

Amount Due	Due Date
\$10,514.79	August 30, 2022
Delinquent Amount After Due Date	Account Number
\$10,619.94	4580005832

Amount Enclosed \$

>000548 2109601 0003 092139 10Z

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

AMEREN MISSOURI
PO BOX 88068
CHICAGO IL 60680-1068

60600000 0045800058302 000010514790 000010514790



- Pay by phone: 1.866.268.3729
- Pay by mail: PO Box 88068, Chicago, IL 60680-1068
- Pay online or manage your account: AmerenMissouri.com
- Customer Service: 1.877.426.3736

FOCUSED ENERGY. For life.

Electric Service Details

Service from 07/07/2022 - 08/07/2022 (31 days)

Electric Meter Read

METER NUMBER	SERVICE FROM - TO	NO. DAYS	USAGE TYPE	READING TYPE	CURRENT READING	PREVIOUS READING	READING DIFFERENCE	MULTIPLIER	USAGE
11673321	07/07 - 08/07	31	Total kWh	Actual	74886.0000	73982.0000	704.0000	160.0000	112640.0000
11673321	07/07 - 08/07	31	Peak kW	Actual	1.3390	0.0000	1.3390	160.0000	214.2400

Usage Summary

Total kWh	112640.0000	Summer kWh	112640.0000
Peak kW	214.2000	Billing Demand	214.2000
Total Billing Demand	214.2000	October Winter Base kW	162.4000
Winter Base Demand	162.4000	Base kWh Ratio	0.7581
Base kWh (HUD)	0.0000	Seasonal kWh (HUD)	0.0000

Rate 3M Large General Service

DESCRIPTION	USAGE	UNIT		RATE	CHARGE
Seasonal Energy Charge	0.00	kWh	@	\$ 0.03870000	\$0.00
Summer Demand Charge	214.20	kW	@	\$ 5.87000000	\$1,257.35
Winter Demand Charge	214.20	kW	@	\$ 0.00000000	\$0.00
Energy Charge/Hours Used	32,130.00	kWh	@	\$ 0.10540000	\$3,386.50
Energy Charge/Hours Used	42,840.00	kWh	@	\$ 0.07930000	\$3,397.21
Energy Charge/Hours Used	37,670.00	kWh	@	\$ 0.05340000	\$2,011.58
Base Energy Charge / Hours Used	0.00	kWh	@	\$ 0.06620000	\$0.00
Customer Charge					\$104.86
Fuel Adjustment Charge	112,640.00	kWh	@	\$ 0.00041000	\$46.18
Energy Efficiency Investment Charge	112,640.00	kWh	@	\$ 0.00328200	\$367.43
Renewable Energy Adjustment	112,640.00	kWh	@	\$ -0.00050000	\$-56.32
Total Service Amount					\$10,514.79
Total Electric Charges					\$10,514.79

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 88068, Chicago, IL 60680-1068
- Pay online or manage your account: AmerenMissouri.com
- Customer Service: 1.877.426.3736

FOCUSED ENERGY. For life.

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

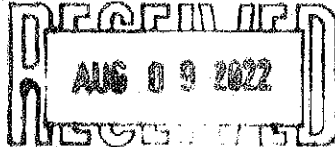
AMOUNT DUE \$132.86

Due Date 08/30/2022

Current Detail for Statement 08/09/2022

Total Electric Charges \$132.86

Total Amount Due \$132.86



Amount After Due Date \$134.19

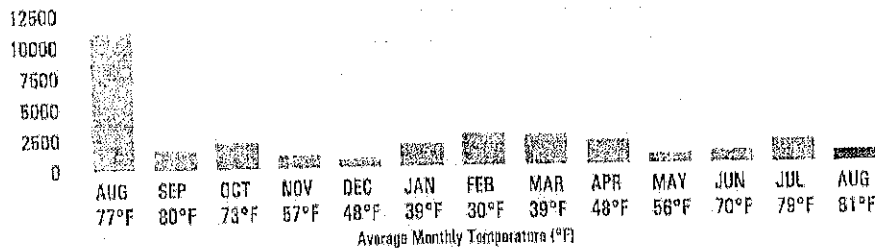
Previous Statement \$240.35

Total Payments \$240.35

Payment Received. Thank You.

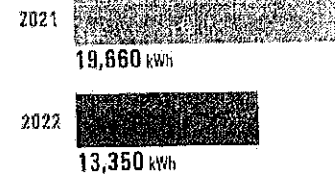
Electric Usage History

Electric Usage in Kilowatt Hours (kWh)



Electric Usage Summary (kWh)

So far this year, you're using **32.1% less** than last year.



Usage from Jan-Aug for 2021 & 2022

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: 8/9/22

Keep this portion for your records.

» See next page for service details.

Please return this portion with your payment.



☐ Check if you have address changes on back.

Amount Due Due Date

\$132.86 August 30, 2022

Delinquent Amount After Due Date Account Number

\$134.19 5580005920

Amount Enclosed \$

>000549 2109601 0003 092139 102

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

AMEREN MISSOURI
PO BOX 88068
CHICAGO IL 60680-1068

70633000 0055800059200 000000132860 000000132860

13075 00548 2109601 003203 031611 0001/0002



Page 1 of 4



- Pay by phone: 1.866.268.3729
- Pay by mail: PO Box 88088, Chicago, IL 60680-1068
- Pay online or manage your account: AmerenMissouri.com
- Customer Service: 1.877.426.3736

FOCUSED ENERGY. For life.

Electric Service Details

Service from 07/07/2022 - 08/07/2022 (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	07/07 - 08/07	31	Total kWh	Actual	24955.0000	24860.0000	95.0000	10.0000	950.0000
98041275	07/07 - 08/07	31	Peak kW	Actual	4.4460	0.0000	4.4460	10.0000	44.4600

Usage Summary

Total kWh	950.0000	Summer kWh	950.0000
Winter Base kWh	1830.0000	Current Base kWh	950.0000
Summer Cur Base kWh	950.0000	Seasonal kWh	0.0000

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

Threshold - Peak Demand

DESCRIPTION	USAGE	UNIT	RATE	CHARGE
Summer Total Energy Charge	950.00	kWh	@ \$ 0.11350000	\$107.83
Base Energy Charge	0.00	kWh	@ \$ 0.08480000	\$0.00
Seasonal Energy Charge	0.00	kWh	@ \$ 0.04880000	\$0.00
Customer Charge				\$21.86
Fuel Adjustment Charge	950.00	kWh	@ \$ 0.00041000	\$0.39
Energy Efficiency Investment Charge	950.00	kWh	@ \$ 0.00343000	\$3.26
Renewable Energy Adjustment	950.00	kWh	@ \$-0.00050000	\$-0.48
Total Service Amount				\$132.86
Total Electric Charges				\$132.86

Payments Since Previous Statement

DATE RECEIVED	AMOUNT
July 22, 2022	\$240.35

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](http://AMERENMISSOURI.COM/PAYSTATION)



ONLINE
CREDIT CARD

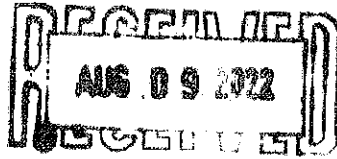


MAIL
STUB & CHECK

USABlueBook®

Get the Best Treatment™

Remit To:
P.O. Box 9004
Gurnee, IL 60031-9004
TEL: (847) 689-3000
FAX: (847) 689-3001
TOLL FREE: 1-800-493-9876
F.E.I.N.: 62-2418852



INVOICE

INVOICE NO.	PAGE NO.
066482	1 of 1
CUSTOMER NO.	DATE
1053309	08/03/22

View online at: <http://usabluebook.billtrust.com>
Web Enrollment Token: GVZ KZT BWR

BILL TO: 1053309
122 1 SP 0,530 E0122X 10198 D9488724618 S2 P9184356 0001:0001

SHIP TO: 1



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

JOINT SEWER BOARD LAKE
OZARK-OSAGE BEACH
3 ANDERSON RD
LAKE OZARK MO 65049
USA

Ordered by: 0001 GARY HUTCHCRAFT

Attention: GARY HUTCHCRAFT

CUSTOMER P.O. NO.	SHIP DATE	SLP	TERMS	TAX CODE	SALES ORDER NO.	W/H	FREIGHT	SHIP VIA
VERBAL GARY	08/03/22	CJC	NET 30	MOEXEMPT	390121	01	FXD/PPD	FEDEXGRND
USA STOCK NO.	DESCRIPTION	ORDERED	SHIPPED	BACKORDER	U/M	PRICE	PER	EXTENSION
65727	Hach IntelliCal Rugged LDO Probe 5 M Cable LDO10105	1	1	0	EA	970.00	EA	970.00
HACHSURCHA	Hach Surcharge	1	1		EA	116.40	EA	116.40
REPLACEMENT DO PROBE								
GL Acct#: E/R								
Signature: Gary Hutchcraft								
Date: 8/9/22								

THANK YOU for your business!
1.5% MONTHLY FINANCE CHARGE
ON AMOUNTS 30 DAYS PAST DUE
Discounts Apply to Merchandise Only

MERCHANDISE	MISCELLANEOUS	DISCOUNT	TAX	FREIGHT	TOTAL
970.00	116.40	0.00	0.00	11.04	1,097.44

Should it become necessary to refer your unpaid balance to a collection agency, a collection fee, not to exceed 25% of the balance referred; plus reasonable attorney's fees; and court costs when necessary, will be added to the balance due.

Please Detach and Return Bottom Portion to Ensure Proper Credit to Your Account

USABlueBook®

Get the Best Treatment™

****IMPORTANT****

Please include this customer #
on the face of your remittance check.

INVOICE NO.	CUSTOMER NO.	DATE	TOTAL
066482	1053309	08/03/22	1,097.44

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

REMITTANCE ADDRESS

USABlueBook
P.O. Box 9004
Gurnee, IL 60031-9004

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

Account Number	Account Name	7/31/2022					Percent YTD
		2020 Actual	2021 Actual	2022 Budget	2022 Actual as of 7/31/2022	2022 July Revenue	
3020	Osage Beach	475,836.10	465,202.63	470,050.00	266,831.44	38,107.60	57%
3010	Lake Ozark	74,163.90	84,797.35	82,950.00	55,251.87	7,975.73	67%
3030	Misc.	4,500.00	22,000.00	0.00	0.00	0.00	0%
3100	Interest	4,019.49	2,700.22	2,500.00	978.27	245.68	39%
3060	Waste Haulers' Fee	39,320.00	60,520.00	56,000.00	22,090.00	3,790.00	39%
Total Operating Fund		597,839.49	635,220.20	611,500.00	345,151.58	50,119.01	56%
E/R Fund Income		8,955.85	5,508.47	5,000.00	1,681.83	288.81	34%
TOTAL INCOME		606,795.34	640,728.67	616,500.00	346,833.41	50,407.82	56%

**MONTH-TO-DATE AND YEAR-TO-DATE
EXPENDITURE/BUDGET ANALYSIS
7/31/2022**

Account Number	Account Name	2020 Actual	2021 Actual	2022 Budget	2022 Actual as of 7/31/2022	2022 July Expenses	Percent YTD
4000	Equipment Replace Fund	71,604.00	143,608.00	55,000.00	32,088.00	4,584.00	58%
4020	*Maintenance & Repair	26,299.39	104,853.81	142,000.00	33,238.38	9,201.96	23%
4140	Insurance	19,865.00	21,493.00	22,000.00	22,088.00	0.00	100%
4150	Vehicle Repair/Main	12,479.74	11,099.99	8,000.00	5,388.59	1,599.33	67%
4170	Contract Management	305,580.00	308,640.00	327,158.00	193,130.00	27,590.00	59%
4175	Electric	75,077.36	82,227.41	92,000.00	40,422.24	10,958.33	44%
4176	Utilities Misc.	2,485.59	3,528.17	3,750.00	2,383.64	79.69	64%
4190	Bank Charges	32.60	0.00	0.00	0.00	0.00	0%
4200	Audit	2,648.50	2,600.00	2,700.00	2,700.00	0.00	100%
4240	Capital Purchases	0.00	399.99	500.00	0.00	0.00	0%
	Totals	516,072.18	678,450.37	653,108.00	331,438.85	54,013.31	51%
	**E/R Expenses	85,258.27	202,161.70	59,500.00	3,318.20	0.00	6%
	TOTAL EXPENSES	601,330.45	880,612.07	712,608.00	334,757.05	54,013.31	47%

4020 DETAIL: Equip & Bldg. Repair/Main.

Auto Dialer Yrly Software Fee	500	Tier 1
Regular Maintenance	18,000	Tier 1
UV Bulbs, Quartz Sleeves, Misc	10,000	Tier 1
Concrete Steps to outfall	9,000	Tier 1
Rock for road	2,000	Tier 1
Parking Lot seamseal & sealcoat	2,500	Tier 1
Take #2 Aeration Basin, grit ren	100,000	Tier 2

142,000.00

DETAIL: Equipment & Replacement

Replace garage door in headwork	3,500	Tier 1 X
Replace wooden doors w/fiberglass	2,000	Tier 1
Replace lab refrigerator/freezer	3,500	Tier 1
Replacement 6" valve for sludge	500	Tier 1
Replace Light Fixtures in headwork	5,000	Tier 1
*Replace aerator gear box - new	45,000	Tier 1

59,500.00

*Zeller Technologies, \$74,900, est completion 2023

OPERATING FUND INCOME AND EXPENSE SUMMARY
7/31/2022

Beginning Balance	317,666.61
Income - Osage Beach	38,107.60
Income - Lake Ozark	7,975.73
Income - Other	-
Income - Waste Haulers' Fees	2,820.00
Interest - Checking	4.83
Income - CD Interest	240.85
Transfers From E/R Fund	-
Transfers To E/R Fund	(4,584.00)
Expenses	(49,128.70)
Ending Fund Balance	313,102.92
Central Bank - NOW Acct.	91,865.70
	-
CD First Bank of the Lake, 8/20/22 #8432	107,343.42
CD First Bank of the Lake, 7/22/22 #8433	113,893.80
	-
Outstanding Checks:	-
	313,102.92

EQUIPMENT REPLACEMENT FUND INCOME AND EXPENSE SUMMARY
7/31/2022

Beginning Balance	505,015.55
Interest - Checking	110.74
Income - CD Interest	178.07
Transfers From Operating Fund	4,584.00
Income - Miscellaneous	-
Expenses	-
Ending Fund Balance	509,888.36
First Bank of the Lake - Money Mkt.	129,828.51
CD First Bank of the Lake, 10/31/22 #8430	110,059.85
CD First Bank of the Lake, 11/07/23 #8434	270,000.00
	-
	-
Outstanding Checks:	-
	509,888.36

**OUR
MISSION**

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

**Alliance Water
Resources,
Inc.**

**206 S. Keene
St.
Columbia, MO
65201**

(573)874-8080



REPORT OF OPERATIONS

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

Month of July 2022

Submitted by Alliance Water Resources, Inc. for the

August 2022

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	1.9	1.6	N/A	10.0		0.44	< 4.9
Peak Day	2.6	2.3	8.1	< 20		1.35	< 4.9
Percent Removal	99.1	99.4	N/A	N/A		N/A	N/A

NPDES EFFLUENT LIMITATIONS

	BOD mg/l	TSS mg/l	pH	E.coli Colonies/100 ml	Coliform	Ammonia as N mg/L	O&G mg/L
Monthly/Quarterly Avg	30	30	6-9	126		1.5	10
Weekly Average	45	45		630			
Daily Max				N/A		12.1	15

PLANT HYDRAULIC AND ORGANIC LOADING

The average daily influent flow for the month was 1.752 MGD or 58% of Permitted flow with Lake Ozark contributing 16% of the total flow and Osage Beach contributing 84%. Daily influent flow BOD and TSS data is presented in Table A. Daily flow for the month and rainfall are shown in Figure 2. A three-year flow history for each of the two cities is presented in Table B.

Organic loading for the month was 95950 pounds of BOD.

BIOSOLIDS APPLICATION AND INVENTORY

Plant personnel land applied 80 tanker loads of bio-solids during the month equivalent to a total of 288,000 gallons and 88,961 pounds dry weight solids.

274,150 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 427,500 gallons with a level of 7.0 feet in Tank 1 and 2.5 feet in Tank 2.

WASTEHAULERS

The plant received 33 loads of septage during the month totaling 68,500 gallons.

WWTP OPERATIONS

- Decanting digesters and wasting weekly.
- Normal operations.

WWTP MAINTENANCE AND REPAIR

- Performed routine maintenance throughout the month as per Antero Maintenance Data Management schedule. (New version of Operator 10 Software)
- We had a flat on one of the front tires of the sludge truck on the 5th of July and it was not fixable, so they had to order a new tire. They came back on the 6th with the new tire and while they were here fixed a leak in one of the back tires.
- We changed the V-belt on the exhaust fan for the RAS basement on the 9th of July.
- The concrete contractor was here on the 15th of July to set up the forms for the steps going down to the outfall and the pad for the UV drying bed. They came back on the 18th and poured concrete and took the forms off later that morning to complete the project.
- The sludge trucks PTO wouldn't engage on the 19th, so we called the outfitter of the truck, Crump Truck & Trailer Works and they sent a Tech up that day and got us back going. We had to pay the labor and travel mileage cost.
- We received the RAS flow meter back from the factory on the 19th of July which was repaired under customer good will and the meter is working properly now.
- The portable Hach DO meter started acting up on the 20th of July, so we called Hach technical support and was told that the probe needed replaced. I contacted Matt & Kevin and was given the okay to go ahead with the purchase. I contacted three vendors and USA Bluebook had the lowest bid, so we went ahead and ordered it and received it on the 5th of August.
- We replaced another sheer pin on one of the bar screens on 25th of July.

SAFETY

- We conducted our monthly Safety Meeting on Excavation & Trenching, Sewage/Wastewater/Water Line Maintenance & Excavation Competent Person: Excavation Hazard on the 21st of July.

REGULATORY AGENCY, INSPECTION AND REPORTS

- We filled out the new EDMR on the EPA MoGEM website on the 4th of August.
- We received the results for our Annual WET test on the 7th of July and everything passed which is excellent.

MISCELLANEOUS AND RECOMMENDATIONS

- We invited three vendors to bid on the handrailing for the new steps going down to the outfall and received three bids back. (See attached bid sheet)

- We had our bid opening for the Aeration Gear Box Replacement project on the 20th of May. At the May Joint Sewer Board meeting the Board gave us the authority to accept and proceed on a bid that didn't exceed \$75,000, without a vote from the Board. I contacted Matt & Kevin that day concerning the bids and they both agreed to award Zeller Technologies the contract for \$74,900.00. I emailed Zeller Technologies a purchase order on the 25th of May. They have since come in with the design drawings and have everything finalized with a tentative installation of December of this year.



Bids for Fabrication & Installation of Handrailing for Steps going down to Outfall

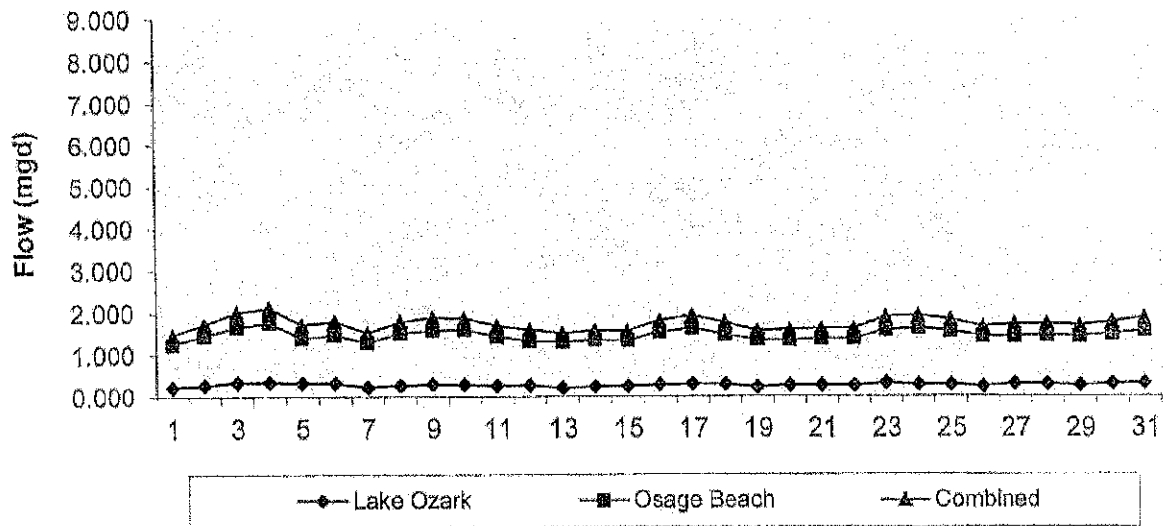
Bidder	Budgeted Amount	Total Bid	Material is Welded Painted Steel
B & K Ornamental Iron	\$2,900.00	\$5,495.00	36" 2"x 2" Square Post w/ pyramid tops
			w/one round 1 1/2" sch 40 single top grip bar
Edge Rail & Screen	"	\$3,114.58	"
American Sun Control	"	\$2,819.00	"

TABLE A
LAKE OZARK/OSAGE BEACH WWTP

MONTH OF July 2022

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-Jul	0	0.229	1.252	1.481	15.5	84.5	358	258	215	258	226	290
2-Jul	0	0.280	1.465	1.745	16.0	84.0						
3-Jul	0	0.348	1.675	2.023	17.2	82.8						
4-Jul	0	0.348	1.773	2.121	16.4	83.6						
5-Jul	0	0.325	1.406	1.731	18.8	81.2						
6-Jul	0	0.326	1.484	1.810	18.0	82.0						
7-Jul	0	0.231	1.303	1.534	15.1	84.9						
8-Jul	0.8	0.274	1.528	1.802	15.2	84.8	415	212	210	418	172	276
9-Jul	0	0.304	1.596	1.900	16.0	84.0						
10-Jul	0	0.284	1.606	1.890	15.0	85.0						
11-Jul	0	0.262	1.445	1.707	15.3	84.7						
12-Jul	0	0.275	1.335	1.610	17.1	82.9						
13-Jul	0	0.205	1.317	1.522	13.5	86.5						
14-Jul	0	0.238	1.359	1.597	14.9	85.1						
15-Jul	0	0.238	1.343	1.581	15.1	84.9	408	183	213	342	178	246
16-Jul	0	0.278	1.552	1.830	15.2	84.8						
17-Jul	0	0.299	1.636	1.935	15.5	84.5						
18-Jul	0	0.296	1.490	1.786	16.6	83.4						
19-Jul	0	0.215	1.364	1.579	13.6	86.4						
20-Jul	0	0.261	1.351	1.612	16.2	83.8						
21-Jul	0	0.255	1.377	1.632	15.6	84.4						
22-Jul	0	0.261	1.379	1.640	15.9	84.1	268	160	183	228	128	212
23-Jul	0	0.313	1.592	1.905	16.4	83.6						
24-Jul	0	0.290	1.649	1.939	15.0	85.0						
25-Jul	0.5	0.277	1.573	1.850	15.0	85.0						
26-Jul	0.2	0.234	1.450	1.684	13.9	86.1						
27-Jul	0.7	0.297	1.440	1.737	17.1	82.9						
28-Jul	0	0.285	1.462	1.747	16.3	83.7						
29-Jul	0	0.261	1.450	1.711	15.3	84.7	263	193	238	254	162	278
30-Jul	0	0.291	1.497	1.788	16.3	83.7						
31-Jul	0	0.311	1.579	1.890	16.5	83.5						
SUM	2.6	8.591	45.728	54.319								
AVG		0.277	1.475	1.752	16	84	342	201	212	300	173	260
NOTE: BOLD PRINT INDICATES WEEKEND DAYS												

Daily Flow
Figure 1



Effect of Rainfall on Flow
Figure 2

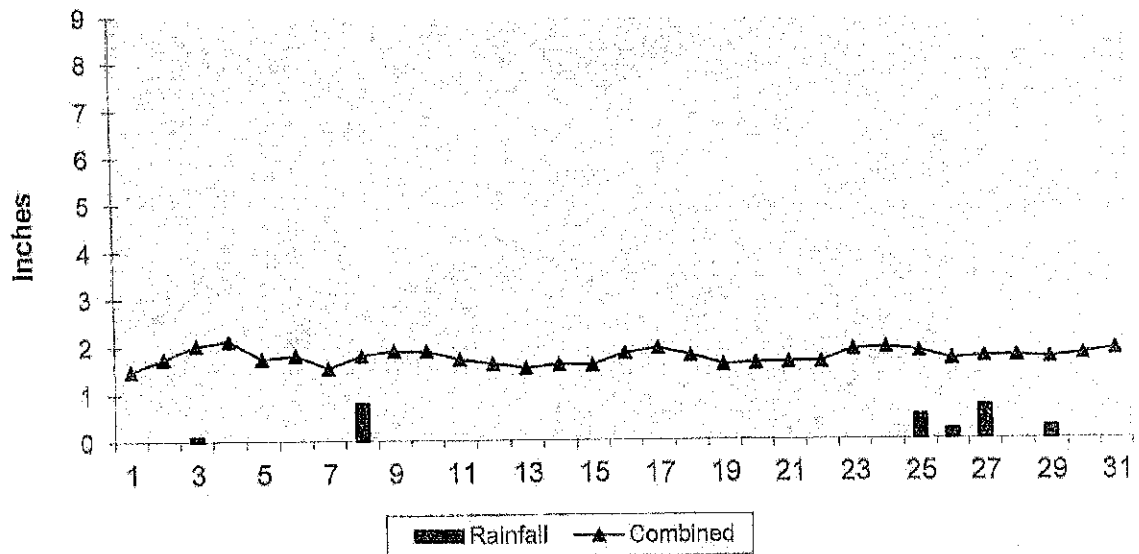


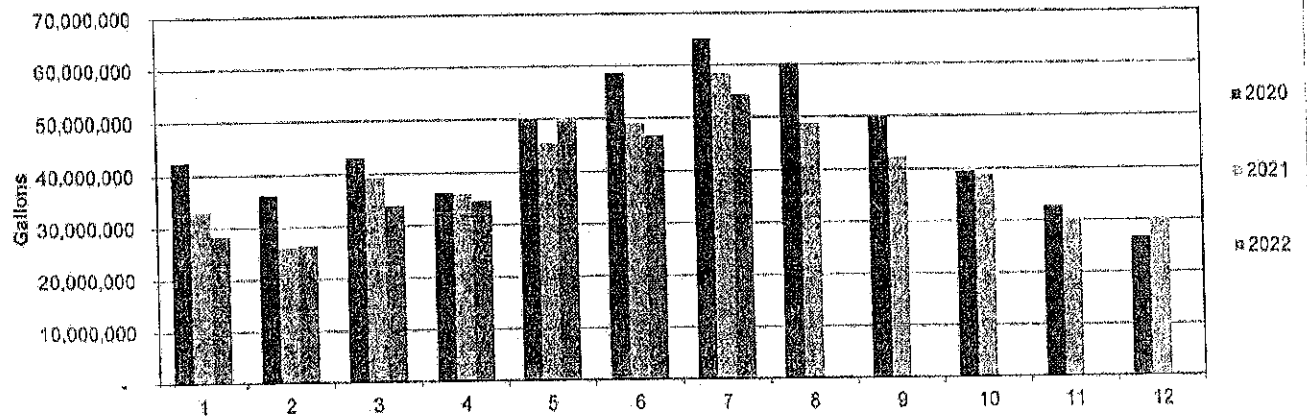
TABLE B
JOINT SEWER BOARD
Monthly Flows

<u>2020</u>	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	7.7	36,806,000	86%	5,780,000	14%	42,586,000	100%
February	3.6	31,279,000	86%	4,986,000	14%	36,265,000	100%
March	6.1	37,286,000	86%	5,888,000	14%	43,174,000	100%
April	5.2	31,967,000	88%	4,324,000	12%	36,291,000	100%
May	5.3	43,538,000	87%	6,443,000	13%	49,981,000	100%
June	4.8	50,936,000	87%	7,780,000	13%	58,716,000	100%
July	6.9	56,437,000	87%	8,616,000	13%	65,053,000	100%
August	2.3	52,449,000	87%	7,883,000	13%	60,332,000	100%
September	8.4	42,235,000	85%	7,636,000	15%	49,871,000	100%
October	5.4	33,173,000	84%	6,448,000	16%	39,621,000	100%
November	4.3	27,630,000	84%	5,102,000	16%	32,732,000	100%
December	1.3	22,749,000	85%	3,949,000	15%	26,698,000	100%
	61.3	466,485,000	86%	74,835,000	14%	541,320,000	100%

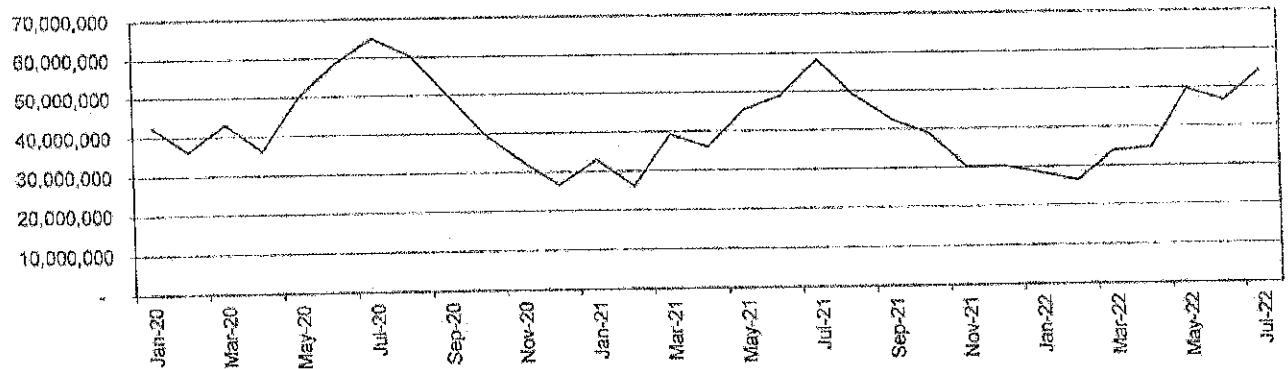
<u>2021</u>	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	6.0	28,107,000	85%	4,855,000	15%	32,962,000	100%
February	3.0	22,136,000	85%	4,048,000	15%	26,184,000	100%
March	4.0	32,848,000	84%	6,450,000	16%	39,298,000	100%
April	5.2	30,179,000	84%	5,792,000	16%	35,971,000	100%
May	5.2	37,964,000	84%	7,479,000	16%	45,443,000	100%
June	8.0	41,695,000	85%	7,390,000	15%	49,085,000	100%
July	6.9	49,378,000	85%	9,000,000	15%	58,378,000	100%
August	1.8	41,691,000	85%	7,211,000	15%	48,902,000	100%
September	3.1	36,185,000	85%	6,306,000	15%	42,491,000	100%
October	6.0	32,925,000	85%	5,987,000	15%	38,912,000	100%
November	0.8	25,192,000	83%	5,025,000	17%	30,217,000	100%
December	2.3	25,041,000	82%	5,317,000	18%	30,358,000	100%
	52.2	403,341,000	84%	74,860,000	16%	478,201,000	100%

<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							
September							
October							
November							
December							
	31.9	228,227,000	83%	45,930,000	17%	274,157,000	100%

Monthly Influent Flow
Figure 3A

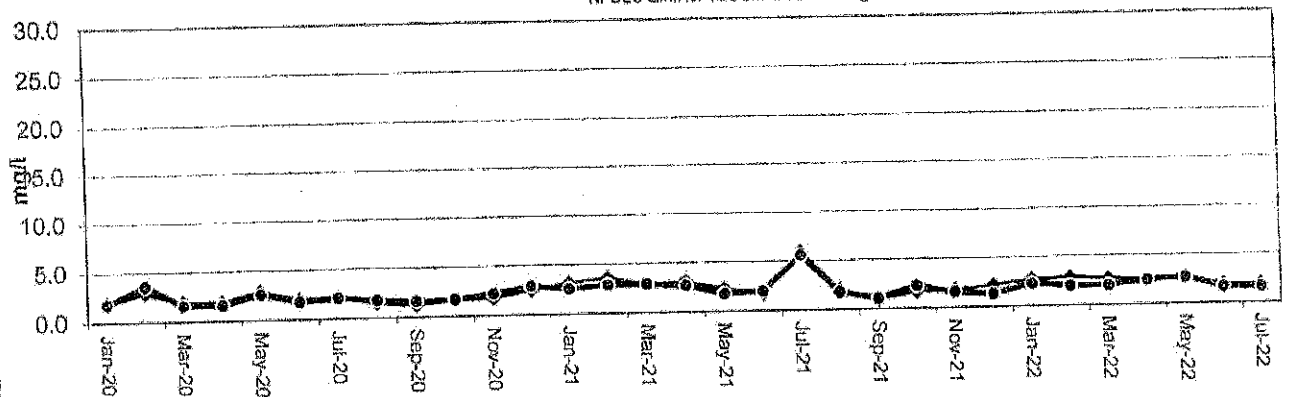


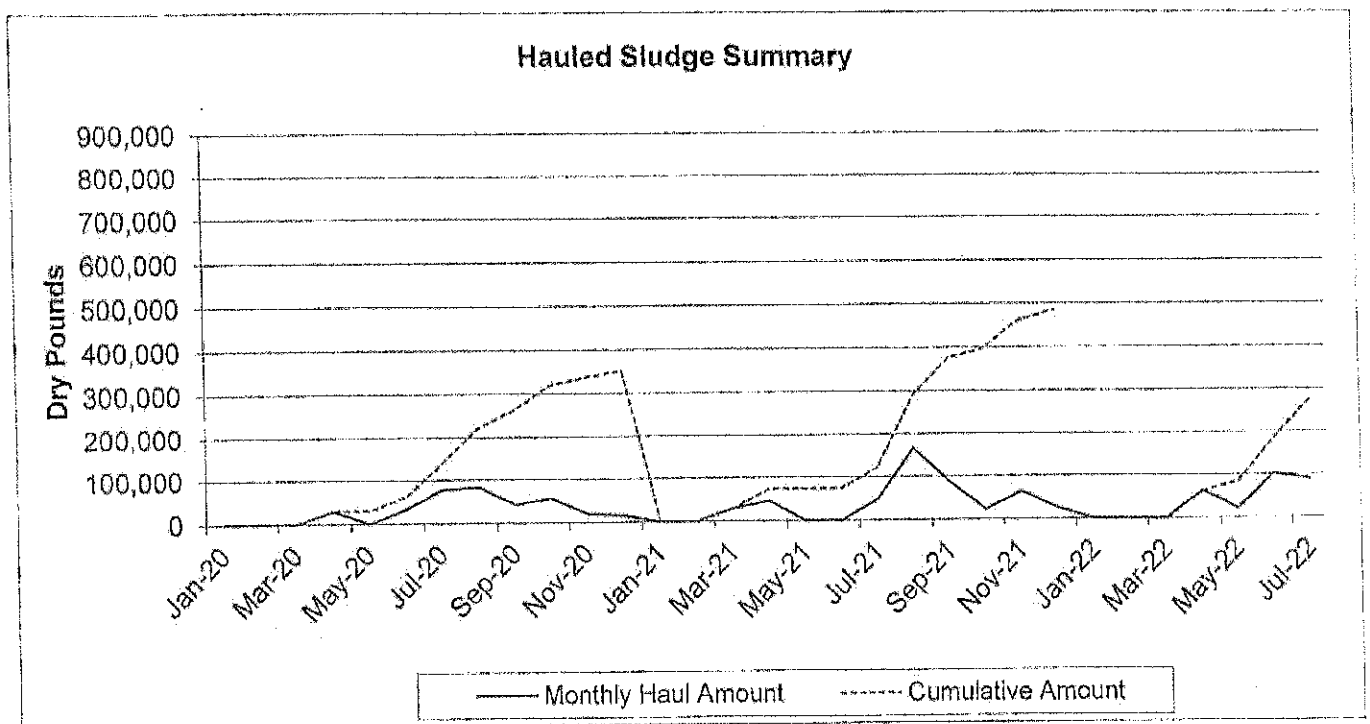
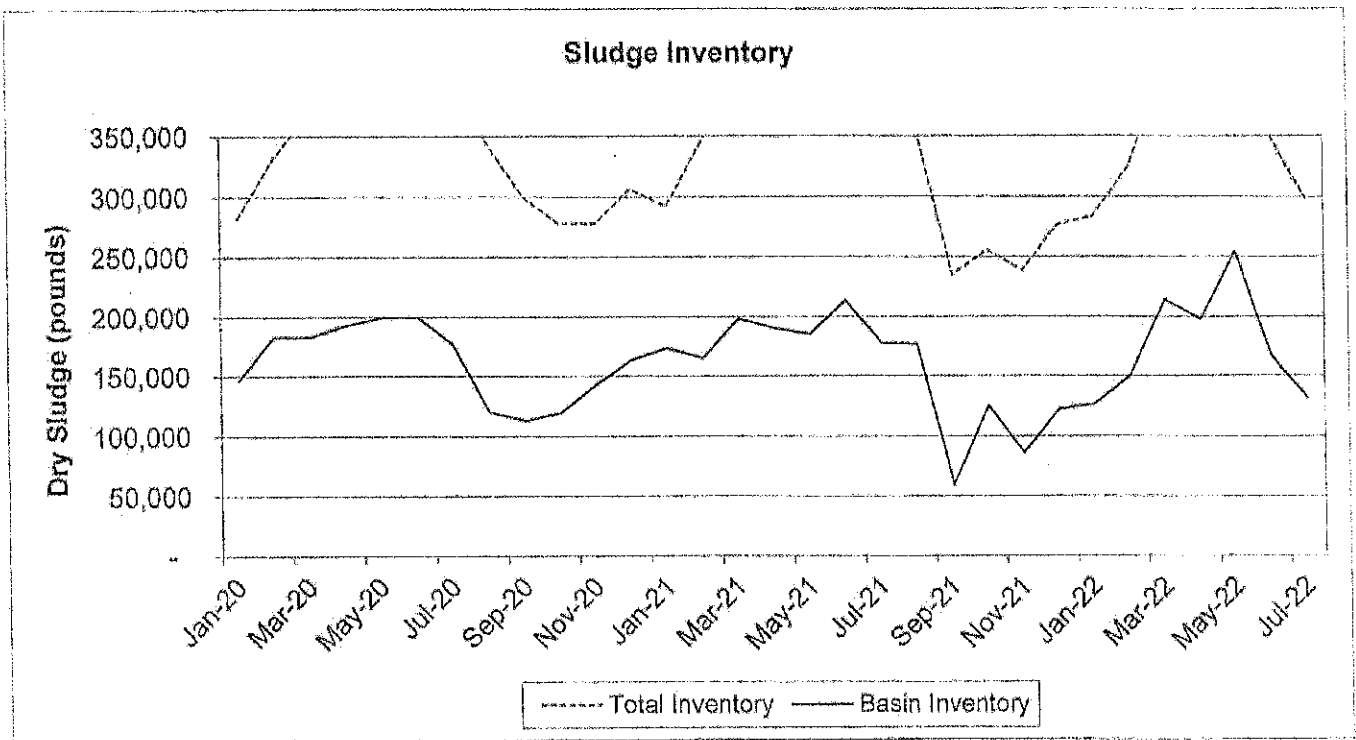
Monthly Influent Flow
Figure 3B



Effluent BOD/TSS
Figure 4

NPDES Limit for TSS and BOD = 30 mg/l

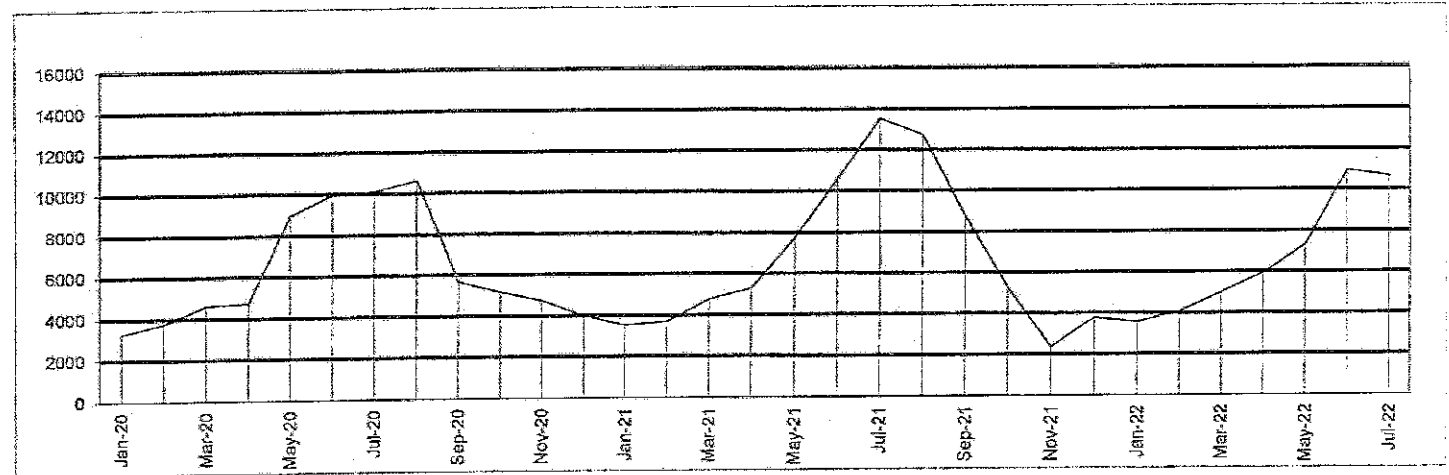




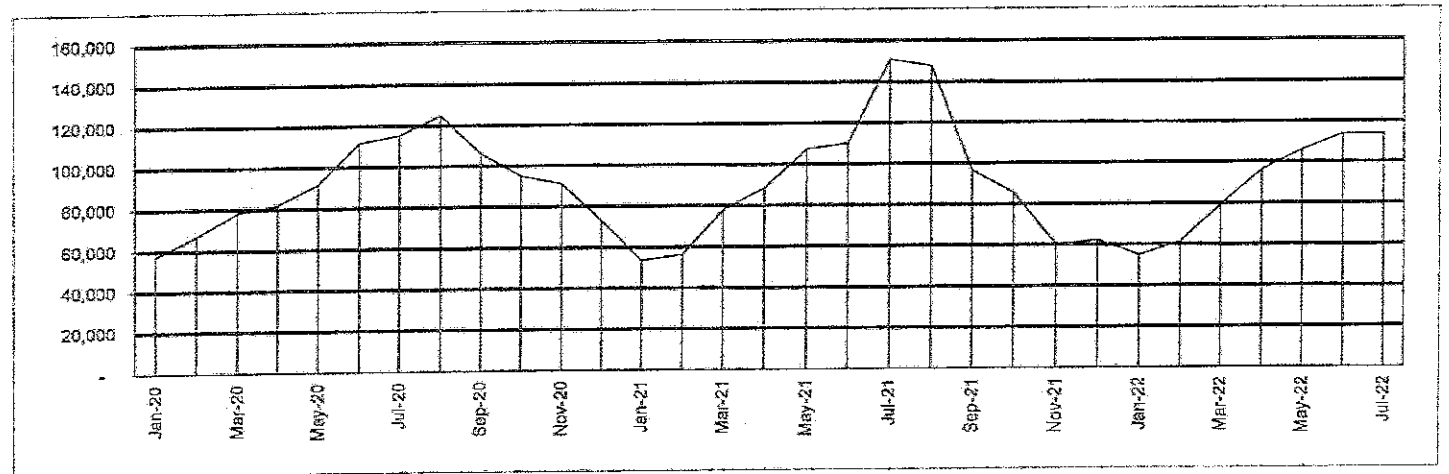
Electric Cost Kilowatts Used

Jan-20	3259	57,250
Feb-20	3760	66,830
Mar-20	4637	78,070
Apr-20	4741	81,780
May-20	8962	91,550
Jun-20	9959	111,680
Jul-20	10100	115,300
Aug-20	10619	124,800
Sep-20	5669	106,220
Oct-20	5155	94,870
Nov-20	4734	90,890
Dec-20	4009	73,020
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

Electric Cost



Kilowatts Used





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

Discharge Monitoring Report For Municipal Wastewater Treatment Plants

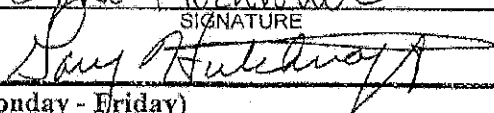
NAME OF FACILITY							LOCATION ADDRESS & CITY							COUNTY/REGION	
Lake of the Ozarks Regional WWTP #1							#3 Anderson Road							Miller/SWRO	
MONTH/YEAR		PERMIT NUMBER				OUTFALL NUMBER		TYPE TREATMENT FACILITY							
Jul-22		MO-0103241				#001		Oxidation Ditch/UV/Sludge Holding-sludge is land applied							
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	7.2	215	290		23.8	1.730	8.0	1.6	1.3		8.4		24.2	99.3	99.6
2	7.0				23.2	2.079	7.3				8.3		23.0		
3	7.0				23	2.400	7.6				8.4		24.0		
4	7.0				24.8	2.417	7.6				8.1		25.7		
5	6.6				24.2	2.033	7.4				8.0	< 20	25.9		
6	7.2			41.3	25.0	2.106	7.5			1.35	8.1		25.8		
7	7.2				23.8	1.830	7.8				8.1		25.9		
8	6.7	210	276		24.1	2.194	7.5	2.6	2.3		8.1		25.6	98.8	99.2
9	7.1				24.1	2.006	7.5				8.1		25.4		
10	7.0				23.2	2.221	7.6				8.4		23.6		
11	7.0				25.3	2.023	7.6				8.2	< 20	25.1		
12	6.7				24.0	1.900	7.6				8.2		25.5		
13	6.9			45.1	25.0	1.784	7.6			0.17	8.2		25.1		
14	7.2				24.0	1.966	7.7				8.3		24.5		
15	7.2	213	246		24.4	1.684	7.8	1.5	1.0		8.3		25.2	99.3	99.6
16	7.4				25.2	2.109	7.9				8.2		25.9		
17	7.3				24.3	2.210	7.8				7.7		25.0		
18	7.3				25.7	2.027	7.9				7.9	< 20	26.1		
19	6.9				25.9	1.824	7.7				8.1		26.1		
20	7.0			33.8	24.3	1.840	7.6			0.13	7.8		24.3		
21	7.0				25.1	1.872	7.6				7.5		25.8		
22	7.0	183	212		25.3	1.830	7.6	1.7	1.9		7.4		26.0	99.1	99.1
23	7.0				24.5	2.138	7.5				7.6		25.4		
24	6.9				25.2	2.195	7.6				7.5		25.8		
25	6.9				24.8	2.129	7.7				6.8	< 20	25.7		
26	6.8				24.0	1.825	8.1				7.3		24.7		
27	7.2			42.9	24.1	2.041	7.9			0.10	7.5		24.7		
28	6.8				25.0	2.043	7.4				7.7		25.3		
29	7.0	238	378		24.4	1.973	7.7	2.1	1.7		7.6		25.0	99.1	99.6
30	7.0				23.9	2.084	7.8				9.0		24.2		
31	7.0				24.6	2.182	7.8				8.8		24.8		
Total						62.694									
Avg		212	280	40.8	24.5	2.022		1.9	1.6	0.44	8.0	10.0	25.2	99.1	99.4
Min	6.6	183	212	33.8	23.0	1.684	7.3	1.5	1.0	0.10	6.8	< 20	23.0	98.8	99.1
Max	7.4	238	378	45.1	25.9	2.417	8.1	2.6	2.3	1.35	9.0	< 20	26.1	99.3	99.6

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	2.8	4.5	0.26	< 4.9	< 5.0	< 1.0	311.0	6.2	60.7	< 0.10
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
Total	2.8	4.5	0.26	< 4.9	< 5.0	< 1.0	311	6.20	60.7	< 0.10
Avg	2.8	4.5	0.26	< 4.9	< 5.0	< 1.0	311	6.20	60.7	< 0.10
Min	2.8	4.5	0.26	< 4.9	< 5.0	< 1.0	311	6.20	60.7	< 0.10
Max	2.8	4.5	0.26	< 4.9	< 5.0	< 1.0	311	6.20	60.7	< 0.10

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

Jul-22	SLUDGE DISP. LBS. DRY WEIGHT	#1 Aeration Basin, O-Ditch, Etc.				#2 Aeration Basin, O-Ditch, Etc.				*Weather Conditions		
		MIXED LIQUOR				MIXED LIQUOR				Outside * Ambient Temp ° F	*RAIN Inches	Time
		* DO mg/l	** MLSS mg/l	*Settleability		* DO mg/l	** MLSS mg/l	*Settleability				
				*30 min ml	Temp ° C			*30 min ml	Temp ° C			
1	5,404	1.2	5,980	780	24.2	0.8	6,960	880	24.3	68	0	7:30
2		1.0	5,630	850	23.9	1	7,120	900	23.9	74	0	7:30
3		0.9	6,750	780	23.7	0.7	6,560	900	23.9	73	0.1	7:30
4		0.4	5,400	750	26	0.6	6,630	900	25.5	78	0	7:30
5	2,582	0.4	6,650	900	26	0.6	6,170	850	26.8	80	0	7:30
6	4,924	1.7	6,420	870	25.5	1.0	6,810	840	25.5	77	0	7:30
7	5,945	1.2	6,630	800	25.7	0.7	7,340	850	25.8	77	0	7:30
8		0.7	6,450	820	25.5	1.1	6,410	800	25.5	75	0.8	7:30
9		0.8	6,430	880	25.1	0.8	6,230	880	25.1	76	0	7:30
10		0.8	6,660	870	24.0	1.1	7,250	900	23.8	69	0	7:30
11		0.8	6,230	850	25.9	0.8	5,990	810	25.5	71	0	7:30
12	3,513	0.6	8,780	900	25.2	1.1	5,860	550	25.2	76	0	7:30
13	11,619	1.5	7,670	880	25.6	1.9	6,170	810	25.0	68	0	7:30
14	12,010	0.9	6,580	870	24.2	1.2	5,610	760	24.3	67	0	7:30
15		0.9	6,440	870	24.7	1.0	6,060	860	24.6	75	0	7:30
16		0.6	6,110	800	24.8	1.1	6,420	830	25.2	79	0	7:30
17		1.8	4,420	550	24.8	1.3	5,740	710	24.7	73	0	7:30
18	7,026	0.8	5,770	830	25.7	1.0	5,440	800	25.5	74	0	7:30
19		0.8	6,110	820	26.6	1.1	5,460	860	25.8	71	0	7:30
20	9,908	1.2	5,880	860	25.7	1.0	5,260	810	26.0	76	0	7:30
21	9,728	1.1	6,140	830	25.5	0.9	6,070	880	25.5	71	0	7:30
22	7,926	1.3	5,630	820	25.9	1.2	6,270	870	25.6	74	0	7:30
23		1.5	5,630	820	25.0	1.2	6,550	900	25.2	73	0	7:30
24		1.5	5,420	840	25.6	1.1	6,010	880	25.7	81	0	7:30
25		1.2	4,500	710	25.7	1.0	7,380	910	25.6	75	0.5	7:30
26	8,377	1.0	5,730	820	24.1	1.2	5,950	870	24.6	69	0.2	7:30
27		0.8	5,400	800	24.6	0.9	5,490	850	24.9	73	0.7	7:30
28		0.8	5,680	800	24.7	1.1	6,430	870	25.0	75	0	7:30
29		0.1	5,630	800	24.8	1.1	6,470	860	25.0	69	0.25	6:30
30		1.5	6,160	820	23.8	1.6	6,150	870	24	69	0	7:30
31		1.1	4,740	830	24.7	1.1	5,860	850	24.7	72	0	7:30

COMMENTS:

TESTS PERFORMED BY (PRINT)	SIGNATURE	PHONE #	DATE
John Hornback		(573)365-0455	8/4/2022
REPORT APPROVED BY (PRINT)	SIGNATURE	PHONE #	DATE
Gary Hutchcraft		(573)365-0455	8/4/2022

*Required Daily (Monday - Friday)

**Required 1/week

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

Permit Number	Outfall Number
MO0103241	001M
Monitoring Period	
7/1/22	7/31/22
NODI:	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements			Unit
Flow, in conduit or thru treatment plant	*****	*****	*****	*****	2.417	2.022		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	*****	2.6	1.9	mg/L	*****	*****		*****
Mon. Location.: End of Pipe	*****;*****	Weekly Avg.:45	Monthly Avg.:30		*****;*****	*****;*****		
Sample Type: 24 Hour Composite								
Frequency: Weekly								
Total Suspended Solids (TSS)	*****	2.3	1.6	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)	2.8	*****	2.8	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)	4.5	*****	4.5	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)	0.26	*****	0.26	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	1.35	*****	0.44	mg/L	*****	*****		*****

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

N)							
Mon. Location.: End of Pipe	Daily Max.:12.1	*****	Monthly Avg.:1.5		*****	*****	
Sample Type: 24 Hour Composite							
Frequency: Weekly							
pH	7.3	*****	8.1	SU	*****	*****	*****
Mon. Location.: End of Pipe	Minimum:6.0	*****	Maximum:9.0		*****	*****	
Sample Type: Grab							
Frequency: Weekly							
BOD, 5-day, percent removal	*****	*****	98.8	%	*****	*****	*****
Mon. Location.: End of Pipe	*****	*****	Monthly Avg. Min.:85		*****	*****	
Sample Type: Calculated							
Frequency: Monthly							
Suspended Solids, percent removal	*****	*****	99.1	%	*****	*****	*****
Mon. Location.: End of Pipe	*****	*****	Monthly Avg. Min.:85		*****	*****	
Sample Type: Calculated							
Frequency: Monthly							

Comments:

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

Permit Number	Outfall Number
MO0103241	INFIM
Monitoring Period	
7/1/22	7/31/22
NOD1:	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements			Unit
BOD, 5-day, 20 deg. C	*****	*****	212	mg/L	*****	*****	*****	
Mon. Location.: Influent	*****;*****	*****;*****	Monthly Avg.:Monitoring Required		*****;*****	*****;*****		
Sample Type: 24 Hour Composite								
Frequency: Monthly								
Total Suspended Solids (TSS)	*****	*****	280	mg/L	*****	*****	*****	
Mon. Location.: Influent	*****;*****	*****;*****	Monthly Avg.:Monitoring Required		*****;*****	*****;*****		
Sample Type: 24 Hour Composite								
Frequency: Monthly								
Nitrogen, ammonia total (as N)	45.1	*****	40.8	mg/L	*****	*****	*****	
Mon. Location.: Influent	Daily Max.:Monitoring Required	*****;*****	Monthly Avg.:Monitoring Required		*****;*****	*****;*****		
Sample Type: 24 Hour Composite								
Frequency: Monthly								
Phosphorus, total (as P)	6.2	*****	6.2	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)	60.7	*****	60.7	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)	<0.10	*****	<0.10	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 August 4, 2022	User Phone Number (573)365-0455
-------------------------------	-----------------------------------	------------------------------------

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	
7/1/22	9/30/22
NOD1:	***

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
Oil and grease	<4.9	*****	<4.9	mg/L	*****	*****	*****
Mon. Location.: End of Pipe	Daily Max.:15	*****;*****	Monthly Avg.:10		*****;*****	*****;*****	
Sample Type: Grab							
Frequency: Quarterly							
Cadmium, total recoverable	<5.0	*****	<5.0	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	<1.0	*****	<1.0	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)	311	*****	311	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
August 10, 2022

User Phone Number
(573)365-0455

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	001WA
Monitoring Period	
1/1/22	12/31/22
NOEL:	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
Toxicity, ceriodaphnia acute	1.0	*****	*****	toxic	*****	*****	*****
Mon. Location.: End of Pipe	Daily Max.:Monitoring Required	*****;*****	*****;*****		*****;*****	*****;*****	
Sample Type: 24 Hour Composite							
Frequency: Annual							
Toxicity, pimephales acute	1.0	*****	*****	toxic	*****	*****	*****
Mon. Location.: End of Pipe	Daily Max.:Monitoring Required	*****;*****	*****;*****		*****;*****	*****;*****	
Sample Type: 24 Hour Composite							
Frequency: Annual							
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
August 4, 2022

User Phone Number
(573)365-0455

LAKE OZASSO/SHORE BEACH WWT
Operation Report

for JULY 2022
month year

LINE	ITEM	PLANT INPUTS										ENVIRONMENTAL CORRECTIONS										PLANT EFFICIENCY										TOTALS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
		RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER	RAW WATER

Use following abbreviations: Stream, S; Sewer, S; Overcast, C; Clear, P; Cloudy, cl; Cloudy, cl.

Prepared by GHL JFH

Approved by GHL

Date

5/24/2022



2022 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.

2nd Quarter,

Federal

Revised FMCSA Commercial Driver's License Rule

Effective February 7, 2022, Federal Motor Carrier Safety Administration (FMCSA) requires that all workers applying for commercial driver's license complete training that is laid out in the new rule before attaining a CDL. Alliance is implementing an in-house training program that will meet the new requirements and keep costs to a minimum.

Revised Lead and Copper Rule

Alliance Water Resources has created a program to educate and assist all Alliance Water Resources clients with complying to the EPA Revised Lead & Copper Rule. This program will lay out processes for identifying and replacing actual or potential lines and appurtenances that meet the requirements for replacement. Email mmahler@alliancewater.com if you have any questions or would like a 15-20-minute detailed presentation on this topic.



Regulatory Compliance Report
Mark Mahler, Director of Safety & Compliance

2nd Quarter, 2022

Missouri

ARPA Grant Funds

Applications for Missouri must be submitted no later than July 14, 2022. Total available funding is \$410 million to be used for drinking water, wastewater, stormwater, and lead service line inventory. Funds must be obligated to a project by 12/31/2024 and expended by 12/31/2026. Alliance will be working with clients and engineers as needed.

Get the Lead Out of School Drinking Water Act (Section 160.077 RSMo)

Beginning in the 2023-2024 school year and for each subsequent school year, each Missouri school shall provide drinking water with a lead concentration below five parts per billion (5ppb).

On or before January 1, 2024, each school shall complete requirements outlined in the bill including conducting an inventory of all drinking water outlets and outlets used for dispensing water for cooking and cleaning utensils in each school building, develop a plan for testing each outlet and make such a plan available to the public and providing general information on the health effects of lead contamination to employees and parents at each school. This bill is still awaiting the signature of the Governor and he may choose to veto.

Total Phosphorous

Alliance will continue to monitor future Phosphorous removal requirements. Some Alliance divisions are in the monitoring phase. According to MO-DNR, POTW average statewide TP effluent is 5mg/L. MO-DNR is pushing for an effluent limit of 1mg/L. This proposed change would affect 141 Missouri treatment plants. This change could require capital improvements to treatment facilities, with greater relative cost impacts to smaller facilities.