

**OSAGE BEACH / LAKE OZARK
JOINT SEWER BOARD MEETING
AGENDA
February 22, 2022 @ 4:00 p.m.
LAKE OZARK CITY HALL**

1. CALL TO ORDER

2. ROLL CALL

Mayor, Osage Beach, John Olivarri
Mayor, Lake Ozark, Dennis Newberry
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: January 18th, 2022

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4. REPORTS

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Income & Expense Summary	15
 January Alliance Report of Operations	 21-40

Approval of Flow Charts January 2022

5. OLD BUSINESS

A. Board Representative Update

6. NEW BUSINESS

A. Discussion and vote on shredding some past records.

7. ADDITIONAL DISCUSSION ITEMS

8. ADJOURNMENT

THE NEXT MEETING WILL BE March 15, 2022 4:00 PM @ LAKE OZARK CITY HALL

**LAKE OZARK-OSAGE BEACH
JOINT SEWER BOARD
Meeting Minutes – January 18, 2022**

CALL TO ORDER:

Mayor John Olivarri called the meeting to order at 4:00 pm on Tuesday, January 18, 2022 at Lake Ozark City Hall.

ROLL CALL:

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

MINUTES:

Alderman Pat Thompson motioned to approve the meeting minutes of November 16, 2021. Her motion was seconded by City Administrator Woods and passed unanimously.

REPORTS:

The November Bills list and Revenue Budget, Expenditure Budget Analysis, Income & Expense Summary and Check Registers and Bank Statements were reviewed. A Motion was made by Resident Member Hamner to approve the documents and pay the bills. His motion was seconded by Alderman Thompson and was passed unanimously.

ALLIANCE REPORT OF OPERATIONS:

Alliance Report of Operations: The average daily incoming flow for November was 1.007 mgd and for December was .979 mgd. There was .8 inches of precipitation in November and 2.3 inches in December measured at the WWTP.

Operationally, the plant's discharge was excellent, with an effluent monthly average BOD and TSS of 1.8 mg/l and 1.6 mg/l respectively for November and 2.2 mg/l and 1.3 mg/l for December which represents a 99.1 + % or better removal.

The MLSS average for both aeration basins was 4,822 mg/l in November and 5,085 mg/l in December. The total dry weight sludge inventory for November totaled 238,580 pounds and in December totaled 276,759. 46 loads or 165,600 gallons of bio solids was applied in November, and 16 loads or 57,600 gallons applied in December. There were 37 tanker loads or 83,000 gallons of septage received in November and 27 loads or 62,000 gallons received for December.

APPROVAL OF FLOW CHART

Motion was made by Operations Manager Crooks to approve the Flow Charts for November and December. His motion was seconded by Director Michalik. Unanimous approval, motion passed.

OLD BUSINESS:

- A. Board Representative Update: Public Works Director Michalik noted that the plant is running well and that there are no issues. Operations Manager Crooks inquired if there was any notable difference at the plant due to Osage Beach installing several aerators. Mr. Hutchcraft noted that there has been no noticeable difference.

NEW BUSINESS:

- A. Review and discussion regarding the Alliance O & M Agreement. Mayor Olivari noted that the Agreement is in line with the Contract with Alliance. A motion was made by Alderman Thompson to approve the Agreement. Her motion was seconded by Director Michalik and was unanimously approved.
- B. Review and discussion regarding the ERP, EOP, EAP and FPP. Mr. Hutchcraft noted that he had updated the pertinent information. Discussion ensued. No action was taken.
- C. Review and discussion regarding the updated inventory list. Mr. Hutchcraft reviewed. A motion was made by Administrator Mitchem to approve the inventory list. His motion was seconded by Operations Manager Crooks. The motion passed unanimously.
- D. Review and discussion regarding the sewer plant flow charts. Resident Member Hamner took the opportunity to review his annual Sewer Plant Flow Charts for both Lake Ozark and Osage Beach, as well as a combined chart. Discussion ensued. He noted that the flow this year appears to be 11.7 percent down on total flow and that this trend may be due to new water saving devices. Discussion ensued. Mayor Olivari thanked Mr. Hamner for his presentation.

ADDITIONAL DISCUSSION ITEMS:

With there being a conflict with the February meeting date, the next meeting will be held on February 22, 2022.

ADJOURNMENT:

With no further business to discuss, the meeting adjourned at 4:35 pm.

Approved on:

Mayor, John Olivari

Clerk, Robin Craig

JOINT SEWER BOARD
BILL LIST
FEBRUARY 22, 2022

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:	\$	317.68
OPERATING FUND BILLS TO BE PAID:	\$	38,666.94
EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:	\$	-
EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:	\$	-
TOTAL	\$	38,984.62

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:				
Account	Check	Paid To:	Description:	Amount:
4020	531	USA Bluebook	L.S. Float Switches	\$ 317.68
4020				\$ -
4000				\$ -
TOTAL				\$ 317.68

OPERATING FUND BILLS TO BE PAID:				
Account	Check	Paid To:	Description:	Amount:
4000	532	Equipment Replacement Fund	Payment into ER Fund	\$ 4,584.00
4020	533	Catalyst Electric	Bar Screen #2 Repair	\$ 168.75
4020		GLW	Wear Ring for RAS Pump	\$ 340.00
4020		Jani King	January	\$ 197.15
4020		Menards	Misc. Maintenance	\$ 233.19
4020		M/C QuickBooks	Accounting Software	\$ 25.00
4020		Wallis Lubriant, LLC	Diesel Fuel for Generator	\$ 1,140.16
4170		Alliance Water Resources, Inc.	Febrary	\$ 27,590.00
4175		Ameren MO	11673321	\$ 3,327.03
4175		Ameren MO	98041275	\$ 219.79
4176		AT&T	Febrary	\$ 103.14
4176		Ferrellgas	Propane	\$ 686.31
4176		Republic	March	\$ 52.42
TOTAL				\$ 38,666.94

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				\$ -
TOTAL				\$ -

Wallis Lubricant, LLC

Page: 1

#1 Midwest Drive, Pacific MO 63069
445 Sunshine Road, Kansas City KS 66115
4732 Cedar Drive, Joplin MO 64804
1601 Christy Drive, Jefferson City MO 65101
1738 Midway Drive, Linn Creek MO 65052

Invoice

REMIT TO:
P.O. BOX 790379
ST. LOUIS, MO 63179



Invoice Number: 93700L-IN
Invoice Date: 1/4/2022

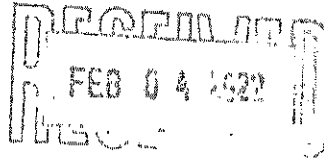
Order Number:
Order Date:
Salesperson: Lake Linn
Customer Number: 50-0410822

Sold To:

Joint Sewer Board
PO Box 1985
Lake Ozark, MO 65049

Ship To:

Joint Sewer Board
PO Box 1985
Lake Ozark, MO 65049(573) 216-8398 Ext: Gary



Confirm To:

Customer P.O.	Ship VIA	F.O.B.	Terms Net 7 Days			
Item Number	Unit	Ordered	Shipped	Back Ordered	Pkg Price	Amount
#2LSDYEDDSL GAL	GAL	414.00	414.00	0.00	2.7467	1,137.12
#2 ULTRA L.S. DIESEL (DYED) NA1993, Diesel Fuel, 3, PGIII						
Fuel Tax Recap						
Federal UST Fee-Diesel DYED					0.00100	0.41
Federal Oil Spill Fee-Diesel D					0.00214	0.89
Inspection Fees-Diesel DYED					0.00420	1.74

DIESEL FUEL FOR THE BACKUP
GENERATOR

GL Acct#: 4020

Signature: Gary Hultquist

Date: 2/4/22

EFFECTIVE 1/1/11, A 1.5% FINANCE CHARGE OR \$2.50
MINIMUM FEE WILL BE APPLIED TO PAST DUE INVOICES.

*Check out our website for placing orders, invoice history and more! www.wallislubricants.com

Net Invoice: 1,140.16
Less Discount: 0.00
Freight: 0.00
Sales Tax: 0.00
Invoice Total: 1,140.16
Less Deposit: 0.00
Invoice Balance: 1,140.16



- 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 \$3,327.03

Due Date 03/03/2022

Amount After Due Date \$3,378.84

Previous Statement \$3,589.47

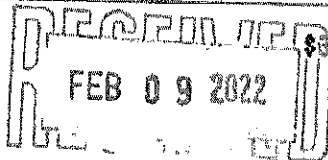
Total Payments \$3,589.47

Payment Received. Thank You.

Current Detail for Statement 02/09/2022

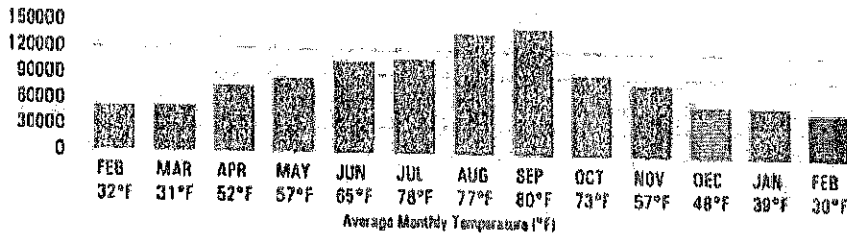
Total Electric Charges \$3,327.03

Total Amount Due \$3,327.03



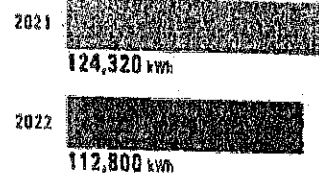
Electric Usage History

Electric Usage in Kilowatt Hours (kWh)



Electric Usage Summary (kWh)

So far this year, you're using 9.3% less than last year.



Usage from Jan-Feb 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: *[Handwritten Signature]*

Date: 2/9/22

See next page for service details.

Keep this portion for your records.

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Amount Due	Due Date
\$3,327.03	March 03, 2022
Delinquent Amount After Due Date	Account Number
\$3,378.84	4580005832

Amount Enclosed \$

001653 2032293 0001 092139 102

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

AMEREN MISSOURI
PO BOX 88068
CHICAGO IL 60680-1068

20600000 0045800058302 000003327030 000003327030



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Electric Service Details

Service from 01/09/2022 - 02/07/2022 (29 days)

Electric Meter Read

METER NUMBER	SERVICE FROM TO	NO. DAYS	USAGE TYPE	READING TYPE	CURRENT READING	PREVIOUS READING	READING DIFFERENCE	MULTIPLIER	USAGE
11873321	01/09 - 02/07	29	Total kWh	Actual	71179.0000	70851.0000	328.0000	180.0000	52480.0000
11873321	01/09 - 02/07	29	Peak kW	Actual	0.7340	0.0000	0.7340	180.0000	117.4000

Usage Summary

Total kWh	52480.0000	Non-Summer kWh	52480.0000
Peak kW	117.4000	Billing Demand	117.4000
Total Billing Demand	117.4000	October Winter Base kW	182.4000
Winter Base Demand	117.4000	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	@ \$ 0.03560000	\$0.00
Summer Demand Charge	117.40	kW	@ \$ 0.00000000	\$0.00
Winter Demand Charge	117.40	kW	@ \$ 2.00000000	\$234.80
Energy Charge/Hours Used	0.00	kWh	@ \$ 0.09680000	\$0.00
Base Energy Charge / Hours Used	17,810.00	kWh	@ \$ 0.06090000	\$1,072.45
Base Energy Charge / Hours Used	23,480.00	kWh	@ \$ 0.04520000	\$1,061.30
Base Energy Charge / Hours Used	11,390.00	kWh	@ \$ 0.03680000	\$405.48
Customer Charge				\$95.29
Fuel Adjustment Charge	52,480.00	kWh	@ \$ 0.00381412	\$200.17
Energy Efficiency Investment Charge	52,480.00	kWh	@ \$ 0.00502957	\$263.95
Renewable Energy Adjustment	52,480.00	kWh	@ \$ -0.00012207	\$-6.41
Total Service Amount				\$3,327.03
Total Electric Charges				\$3,327.03

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

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 Address _____
 City, State, Zip _____
 Phone Number _____

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AMERENMISSOURI.COM/PAYSTATION

ONLINE CREDIT CARD

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- Customer Service: 1.877.426.3738

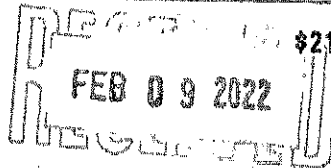
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Account Number 5580005920
Customer Name ALLIANCE WATER RESOURCES INC
Service Address 3 ANDERSON RD
LAKE OZARK, MO 65049

Current Detail for Statement 02/09/2022

Total Electric Charges \$219.79

Total Amount Due \$219.79



AMOUNT DUE \$219.79

Due Date 03/03/2022

Amount After Due Date \$223.09

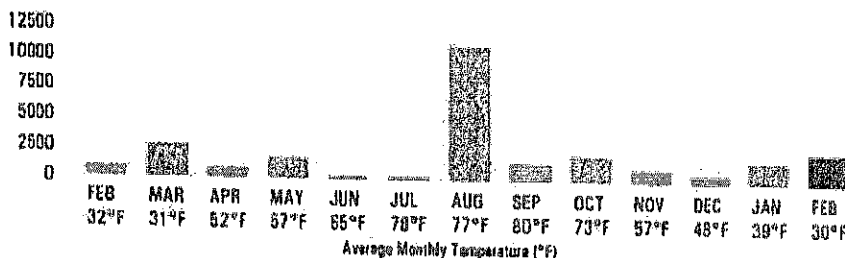
Previous Statement \$176.66

Total Payments \$176.66

Payment Received. Thank You.

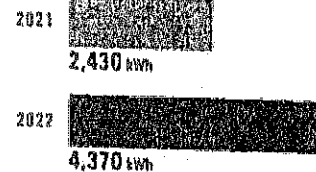
Electric Usage History

Electric Usage in Kilowatt Hours (kWh)



Electric Usage Summary (kWh)

So far this year, you're using 79.8% more than last year.



Usage from Jan-Feb 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: 2/9/22

See next page for service details.

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Amount Due	Due Date
\$219.79	March 03, 2022
Delinquent Amount After Due Date	Account Number
\$223.09	5580005920

Amount Enclosed \$

0001655 2032293 0001 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 000000219790 000000219790



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- Customer Service: 1.877.426.3736

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Electric Service Details Service from 01/09/2022 - 02/07/2022 (29 days)

Electric Meter Read

METER NUMBER	SERVICE FROM - TO	NO. DAYS	USAGE TYPE	READING TYPE	CURRENT READING	PREVIOUS READING	READING DIFFERENCE	MULTIPLIER	USAGE
88041275	01/09 - 02/07	29	Total kWh	Actual	24057.0000	23798.0000	259.0000	10.0000	2590.0000
88041275	01/09 - 02/07	29	Peak kW	Actual	4.1350	0.0000	4.1350	10.0000	41.3500

Usage Summary

Total kWh	2590.0000	Non-Summer kWh	2590.0000
Winter Base kWh	1830.0000	Current Base kWh	1830.0000
Winter Cur Base kWh	1830.0000	Seasonal kWh	760.0000
Winter Seasonal kWh	760.0000		

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

Threshold - Peak Demand

DESCRIPTION	USAGE	UNIT	RATE	CHARGE
Base Energy Charge	1,830.00	kWh	@ \$ 0.07780000	\$142.56
Seasonal Energy Charge	760.00	kWh	@ \$ 0.04490000	\$34.12
Customer Charge				\$19.99
Fuel Adjustment Charge	2,590.00	kWh	@ \$ 0.00381412	\$9.88
Energy Efficiency Investment Charge	2,590.00	kWh	@ \$ 0.00523627	\$13.56
Renewable Energy Adjustment	2,590.00	kWh	@ \$ 0.00012207	\$ 0.32
Total Service Amount				\$219.79
Total Electric Charges				\$219.79

Payments Since Previous Statement

DATE RECEIVED	AMOUNT
January 24, 2022	\$176.86

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

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STUB & CHECK

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

Account Number	Account Name	1/31/2022					Percent YTD
		2020 Actual	2021 Actual	2022 Budget	2022 Actual as of 1/31/2022	2022 Jan Revenue	
3020	Osage Beach	475,836.10	465,202.63	470,050.00	38,211.38	38,211.38	8%
3010	Lake Ozark	74,163.90	84,797.35	82,950.00	7,621.95	7,621.95	9%
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	243.97	243.97	10%
3060	Waste Haulers' Fee	39,320.00	60,520.00	56,000.00	1,260.00	1,260.00	2%
Total Operating Fund		597,839.49	635,220.20	611,500.00	47,337.30	47,337.30	8%
E/R Fund Income		8,955.85	5,508.47	5,000.00	208.44	208.44	4%
TOTAL INCOME		606,795.34	640,728.67	616,500.00	47,545.74	47,545.74	8%

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MONTH-TO-DATE AND YEAR-TO-DATE
EXPENDITURE/BUDGET ANALYSIS
1/31/2022

Account Number	Account Name	2020 Actual	2021 Actual	2022 Budget	2022 Actual as of 1/31/2022	2022 Jan Expenses	Percent YTD
4000	Equipment Replace Fund	71,604.00	143,608.00	55,000.00	4,584.00	4,584.00	8%
4020	*Maintenance & Repair	26,299.39	104,853.81	142,000.00	6,775.10	6,775.10	5%
4140	Insurance	19,865.00	21,493.00	22,000.00	0.00	0.00	0%
4150	Vehicle Repair/Main	12,479.74	11,099.99	8,000.00	0.00	0.00	0%
4170	Contract Management	305,580.00	308,640.00	327,158.00	27,590.00	27,590.00	8%
4175	Electric	75,077.36	62,227.41	92,000.00	3,776.13	3,776.13	4%
4176	Utilities Misc.	2,485.59	3,528.17	3,750.00	158.09	158.09	4%
4190	Bank Charges	32.80	0.00	0.00	0.00	0.00	0%
4200	Audit	2,648.50	2,800.00	2,700.00	0.00	0.00	0%
4240	Capital Purchases	0.00	399.99	500.00	0.00	0.00	0%
Totals		616,072.18	678,450.37	653,108.00	42,883.32	42,883.32	7%
**E/R Expenses		85,258.27	202,161.70	59,500.00	0.00	0.00	0%
TOTAL EXPENSES		601,330.45	880,612.07	712,608.00	42,883.32	42,883.32	6%

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 & sealco	2,500	Tier 1
Take #2 Aeration Basin, grit ren	100,000	Tier 2

DETAIL: Equipment & Replacement

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

143,608.00

59,500.00

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OPERATING FUND INCOME AND EXPENSE SUMMARY
1/31/2022

Beginning Balance	299,089.58
Income - Osage Beach	38,211.38
Income - Lake Ozark	7,621.95
Income - Other	-
Income - Waste Haulers' Fees	1,260.00
Interest - Checking	1.50
Income - CD Interest	242.47
Transfers From E/R Fund	-
Transfers To E/R Fund	(4,584.00)
Expenses	(38,299.32)
Ending Fund Balance	303,543.56
Central Bank - NOW Acct.	83,024.03
	-
CD First Bank of the Lake, 8/20/22 #101318432	107,104.29
CD First Bank of the Lake, 7/22/22 #101318433	113,415.24
	-
Outstanding Checks:	-
	303,543.56

EQUIPMENT REPLACEMENT FUND INCOME AND EXPENSE SUMMARY
1/31/2022

Beginning Balance	479,377.49
Interest - Checking	29.00
Income - CD Interest	179.44
Transfers From Operating Fund	4,584.00
Income - Miscellaneous	-
Expenses	-
Ending Fund Balance	484,169.93
First Bank of the Lake - Money Mkt.	104,463.98
CD First Bank of the Lake, 10/31/22 #101318430	109,705.95
CD First Bank of the Lake, 11/07/23 #101318434	270,000.00
	-
	-
Outstanding Checks:	-
	484,169.93

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

Account Number	Account Name	12/31/2021					Percent YTD
		2019 Actual	2020 Actual	2021 Budget	2021 Actual as of 12/31/2021	2021 Dec Revenue	
3020	Osage Beach	475,091.53	475,836.10	473,000.00	465,202.63	38,781.42	98%
3010	Lake Ozark	74,908.46	74,163.90	77,000.00	84,797.35	7,051.91	110%
3030	Misc.	0.00	4,500.00	0.00	22,000.00	0.00	0%
3100	Interest	4,286.79	4,019.49	2,000.00	2,700.22	1.40	135%
3060	Waste Haulers' Fee	26,260.00	39,320.00	36,000.00	60,520.00	2,480.00	168%
Total Operating Fund		580,546.78	597,839.49	588,000.00	635,220.20	48,314.73	108%
E/R Fund Income		9,001.77	8,955.85	6,000.00	5,508.47	27.15	92%
TOTAL INCOME		589,548.55	606,795.34	594,000.00	640,728.67	48,341.88	108%

MONTH-TO-DATE AND YEAR-TO-DATE
EXPENDITURE/BUDGET ANALYSIS
12/31/2021

Account Number	Account Name	2019 Actual	2020 Actual	2021 Budget	2021 Actual as of 12/31/2021	2021 Dec Expenses	Percent YTD
4000	Equipment Replace Fund	41,604.00	71,604.00	121,606.00	143,608.00	10,134.00	118%
4020	*Maintenance & Repair	104,062.97	26,289.39	111,800.00	104,853.81	4,737.11	94%
4140	Insurance	18,761.00	19,865.00	19,200.00	21,493.00	0.00	112%
4150	Vehicle Repair/Main	5,479.60	12,479.74	11,500.00	11,099.99	0.00	97%
4170	Contract Management	299,592.00	305,580.00	314,752.00	308,640.00	25,720.00	98%
4175	Electric	73,276.87	75,077.36	81,600.00	82,227.41	2,348.40	101%
4176	Utilities Misc.	3,717.52	2,485.59	3,500.00	3,528.17	158.69	101%
4180	Bank Charges	175.00	32.60	0.00	0.00	0.00	0%
4200	Audit	2,400.00	2,648.50	2,600.00	2,600.00	0.00	100%
4240	Capital Purchases	145,247.00	0.00	500.00	399.99	399.99	0%
	Totals	694,316.88	516,072.18	666,958.00	678,450.37	43,498.19	102%
	**E/R Expenses	41,280.51	85,258.27	221,000.00	202,161.70	0.00	91%
	TOTAL EXPENSES	735,597.47	601,330.45	887,958.00	880,612.07	43,498.19	99%

2020 CARRY

<u>*Maintenance & Repair</u>		<u>**Equipment & Replacement</u>	
Accounting - QuickBooks	300.00	Replace Pista Grit Cart w/machine work	3,000.00 X
Auto Dialer Yrly Software Fee	500.00	Replace wooden doors w/fiberglass	2,000.00
Regular Maintenance	15,000.00	Rebuild 3 RAS pumps	10,000.00
UV Spare Parts	10,000.00	Replace lawn mower	6,000.00 X
Ducking skimmer arm Elec repair	5,000.00	Sludge Truck	200,000.00 X
Rock for Road	2,000.00		
X Chain-link fence repair	4,000.00	FINAL - Parking Lot Lights	-
Sandblast & paint clarifier #2			-
			-
	36,800.00		221,000.00

OPERATING FUND INCOME AND EXPENSE SUMMARY
12/31/2021

Beginning Balance	294,273.04
Income - Osage Beach	38,781.42
Income - Lake Ozark	7,051.91
Income - Other	-
Income - Waste Haulers' Fees	2,480.00
Interest - Checking	1.40
Income - CD Interest	-
Transfers From E/R Fund	-
Transfers To E/R Fund	(10,134.00)
Expenses	(33,364.19)
Ending Fund Balance	299,089.58
Central Bank - NOW Acct.	80,448.52
	-
CD First Bank of the Lake, 8/20/22 #101318432	107,104.29
CD First Bank of the Lake, 7/22/22 #101318433	113,172.77
	-
Outstanding Checks:	(1,636.00)
	299,089.58

EQUIPMENT REPLACEMENT FUND INCOME AND EXPENSE SUMMARY
12/31/2021

Beginning Balance	469,216.34
Interest - Checking	27.15
Income - CD Interest	-
Transfers From Operating Fund	10,134.00
Income - Miscellaneous	-
Expenses	-
Ending Fund Balance	479,377.49
First Bank of the Lake - Money Mkt.	99,850.98
CD First Bank of the Lake, 10/31/22 #101318430	109,526.51
CD First Bank of the Lake, 11/07/23 #101318434	270,000.00
	-
	-
Outstanding Checks:	-
	479,377.49

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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 2022

Submitted by Alliance Water Resources, Inc. for the

February 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 mg/L	Ammonia as N mg/L	O&G mg/L
Monthly/Quarterly Avg	2.7	2.3	N/A	0.0		0.12	5.9
Peak Day	3.2	4.0	7.8	0.0		0.20	5.9
Percent Removal	99.0	99.1	N/A	N/A		N/A	N/A

NPDES EFFLUENT LIMITATIONS

	BOD mg/l	TSS mg/l	pH	E.coli Colonies/100 ml	Coliform mg/L	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 0.917 MGD or 31% of Permitted flow with Lake Ozark contributing 17% of the total flow and Osage Beach contributing 83%. 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 61099 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 337,500 gallons with a level of 4.5 feet in Tank 1 and 3.0 feet in Tank 2.

WASTEHAULERS

The plant received 13 loads of septage during the month totaling 27,000 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)
- Catalyst Electric came in on the 13th of January and installed the overload contactors for bar screen 2 that we had purchased earlier in the month, and everything seems to be working properly now.

SAFETY

- We conducted our monthly Safety Meeting on Personal Protective Equipment & Violence in the Workplace on the 11th of January.

REGULATORY AGENCY, INSPECTION AND REPORTS

- We filled out the new EDMR on the EPA MoGEM website on the 3rd of February.
- We completed the annual EPA sludge report on the epacdx website on the 31st of January and put on copy of the annual MDNR Form S sludge report on the MoGEM website with the EDMR on the 3rd of February.

MISCELLANEOUS AND RECOMMENDATIONS

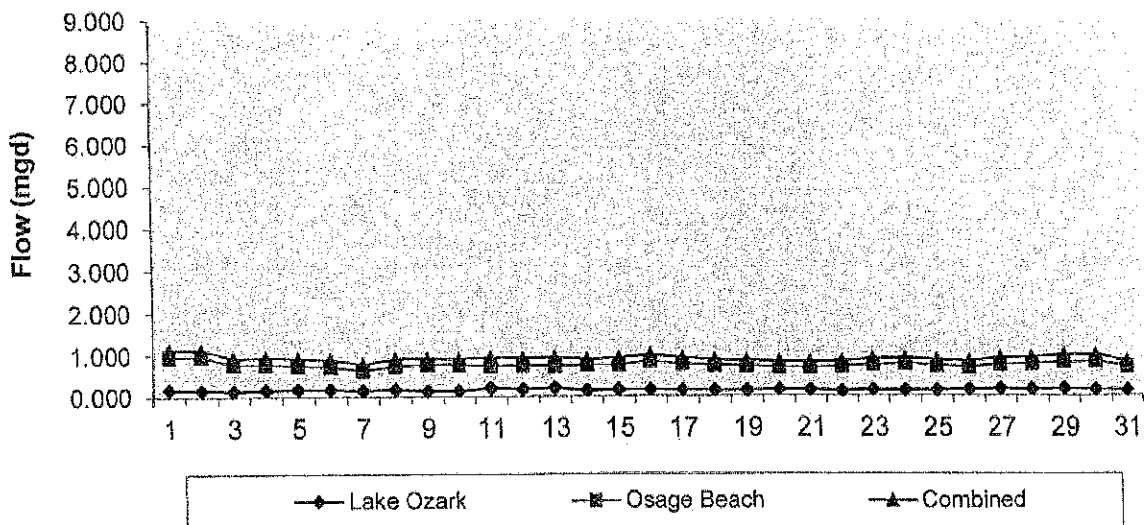
- We would like to Thank Matt and the City of Lake Ozark for sending their service truck and crew out to assist us in the pulling and setting of the RAS pumps in the RAS basement. Many Thanks!
- We would like to get the approval to shred some old paper lab records that we are only required to keep up to 5 years of. The paper records consist of in-house & vendor lab data and old monthly reports from 2016 and past.

TABLE A
LAKE OZARK/OSAGE BEACH WWTP

MONTH OF January 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-Jan	0.3	0.180	0.961	1.141	15.8	84.2						
2-Jan	0.4	0.162	0.975	1.137	14.2	85.8						
3-Jan	0	0.141	0.786	0.927	15.2	84.8						
4-Jan	0	0.164	0.787	0.951	17.2	82.8						
5-Jan	0	0.176	0.745	0.921	19.1	80.9						
6-Jan	0.1	0.173	0.722	0.895	19.3	80.7						
7-Jan	0	0.149	0.630	0.779	19.1	80.9	205	195	228	130	118	210
8-Jan	0	0.173	0.742	0.915	18.9	81.1						
9-Jan	0.05	0.134	0.779	0.913	14.7	85.3						
10-Jan	0	0.140	0.766	0.906	15.5	84.5						
11-Jan	0	0.205	0.736	0.941	21.8	78.2						
12-Jan	0	0.177	0.756	0.933	19.0	81.0						
13-Jan	0	0.205	0.736	0.941	21.8	78.2						
14-Jan	0	0.143	0.753	0.896	16.0	84.0	248	210	260	164	166	248
15-Jan	1	0.156	0.763	0.919	17.0	83.0						
16-Jan	0.3	0.153	0.852	1.005	15.2	84.8						
17-Jan	0	0.150	0.770	0.920	16.3	83.7						
18-Jan	0	0.141	0.740	0.881	16.0	84.0						
19-Jan	0	0.135	0.725	0.860	15.7	84.3						
20-Jan	0	0.149	0.683	0.832	17.9	82.1						
21-Jan	0	0.139	0.683	0.822	16.9	83.1	260	215	280	180	146	366
22-Jan	0	0.118	0.709	0.827	14.3	85.7						
23-Jan	0	0.143	0.757	0.900	15.9	84.1						
24-Jan	0	0.134	0.776	0.910	14.7	85.3						
25-Jan	0	0.143	0.729	0.872	16.4	83.6						
26-Jan	0	0.155	0.689	0.844	18.4	81.6						
27-Jan	0	0.171	0.745	0.916	18.7	81.3						
28-Jan	0.0	0.154	0.767	0.921	16.7	83.3	200	198	263	136	158	230
29-Jan	0	0.173	0.809	0.982	17.6	82.4						
30-Jan	0	0.152	0.834	0.986	15.4	84.6						
31-Jan	0	0.136	0.694	0.830	16.4	83.6						
SUM	1.7	4.824	23.599	28.423								
AVG		0.156	0.761	0.917	17	83	228	205	258	153	147	264
NOTE: BOLD PRINT INDICATES WEEKEND DAYS												

Daily Flow
Figure 1



Effect of Rainfall on Flow
Figure 2

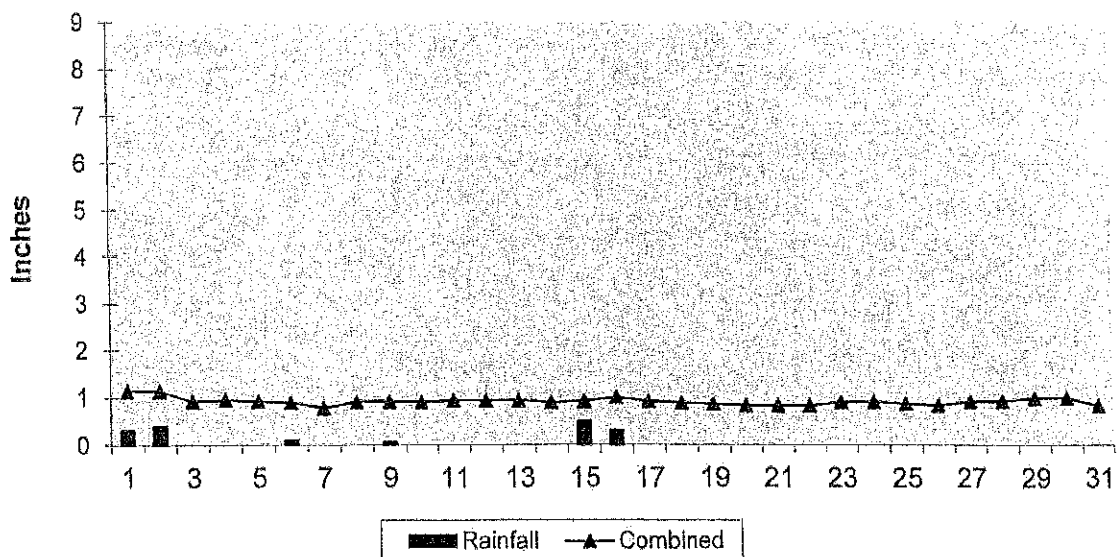


TABLE B
JOINT SEWER BOARD
Monthly Flows

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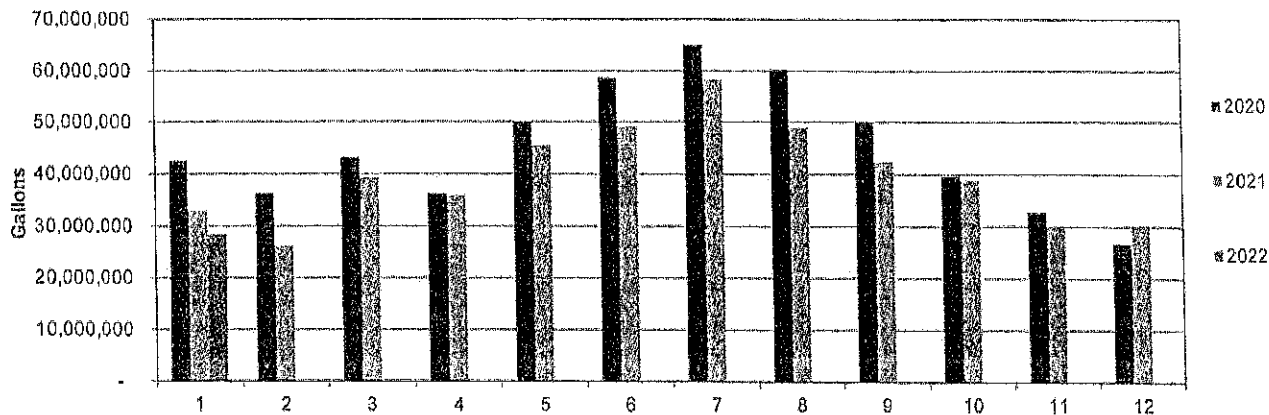
<u>2021</u>	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	6.0	28,107,000	85%	4,855,000	15%	32,962,000	100%
February	3.0	22,136,000	85%	4,048,000	15%	26,184,000	100%
March	4.0	32,848,000	84%	6,450,000	16%	39,298,000	100%
April	5.2	30,179,000	84%	5,792,000	16%	35,971,000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

52.2	403,341,000	84%	74,860,000	16%	478,201,000	100%
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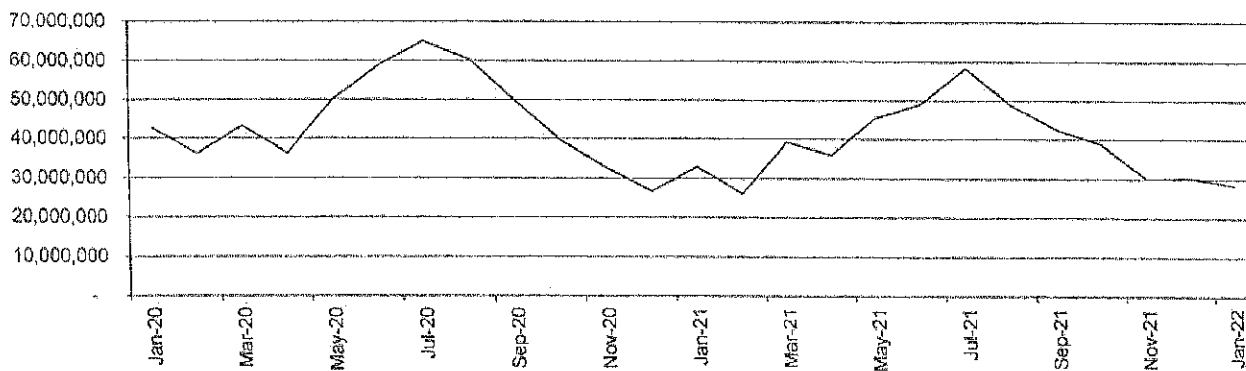
<u>2022</u>	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	1.7	23,599,000	83%	4,824,000	17%	28,423,000	100%
February							
March							
April							
May							
June							
July							
August							
September							
October							
November							
December							

1.7	23,599,000	83%	4,824,000	17%	28,423,000	100%
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Monthly Influent Flow
Figure 3A

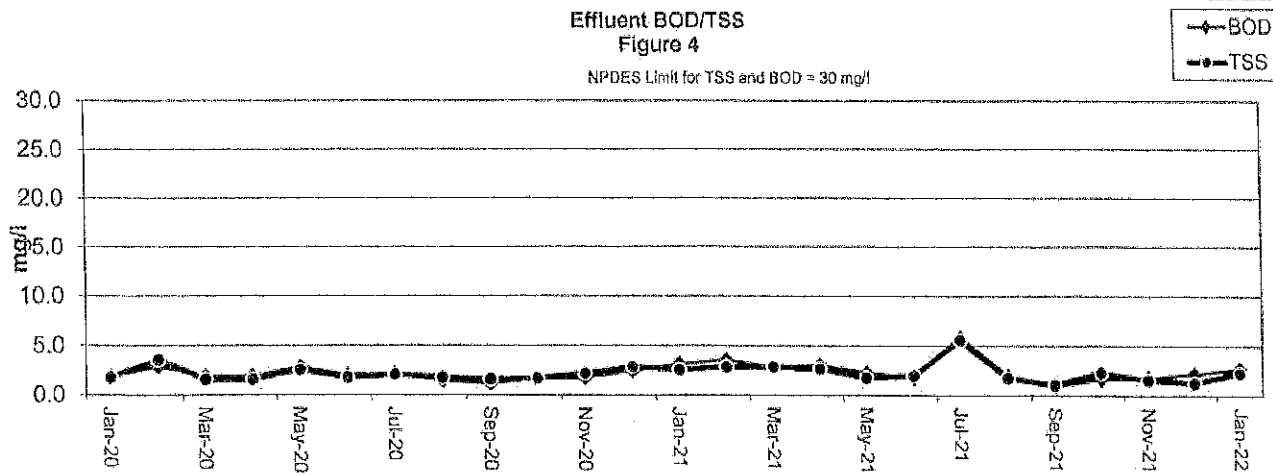


Monthly Influent Flow
Figure 3B

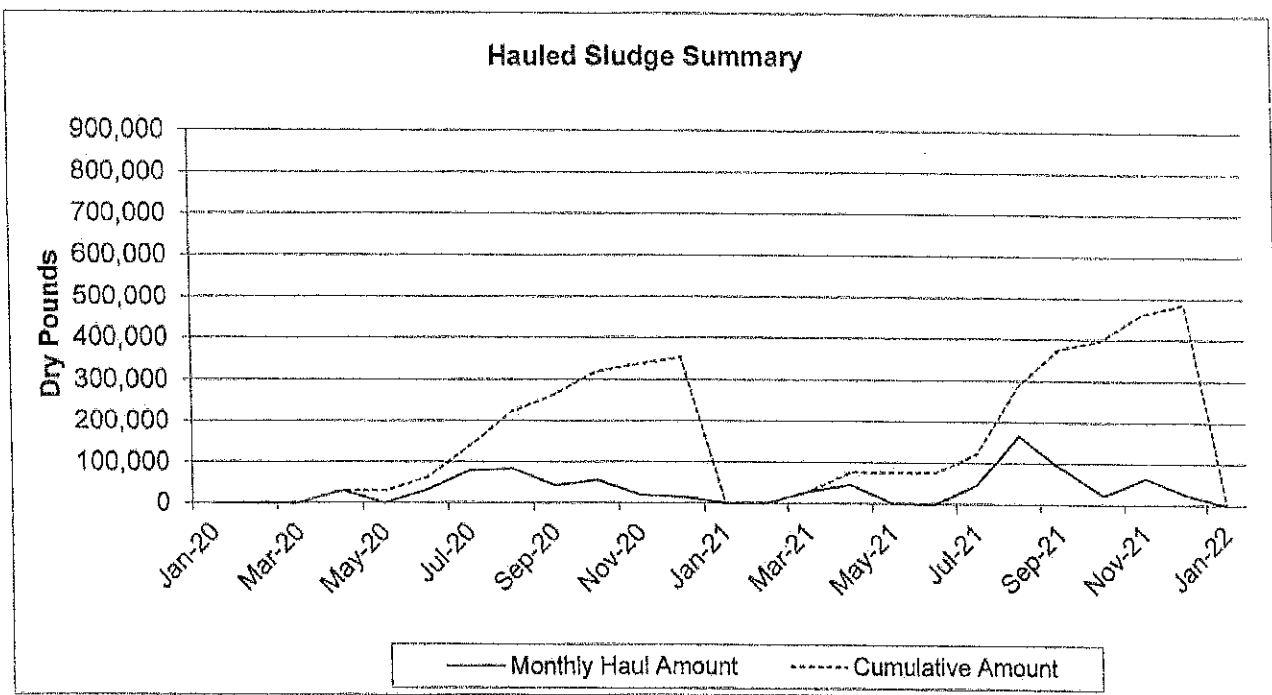
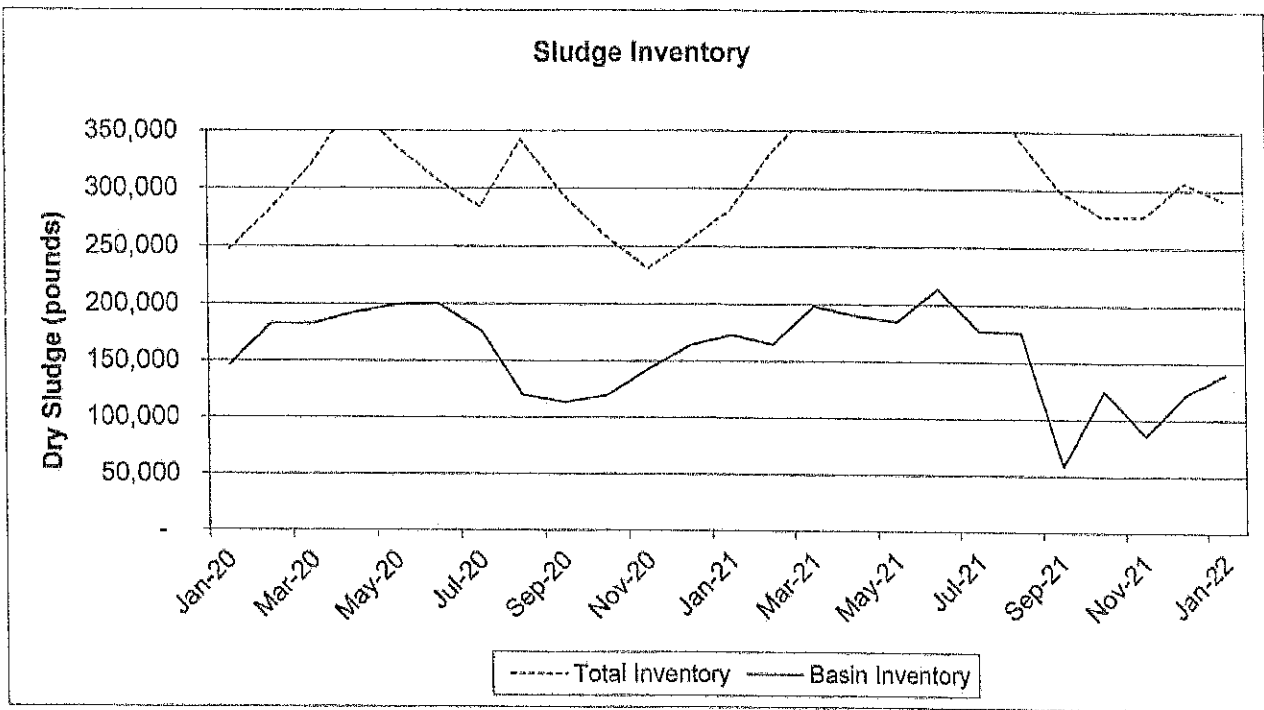


Effluent BOD/TSS
Figure 4

NPDES Limit for TSS and BOD = 30 mg/l



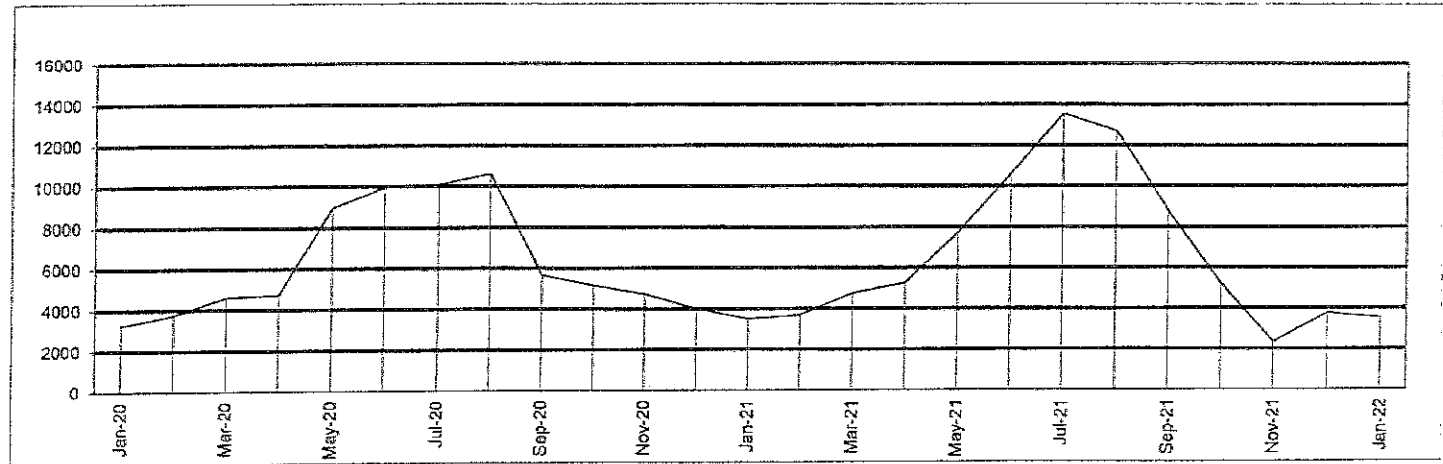
	Hauled Sludge					Basin Depths					Blanket Depths					MLSS Inventory					Blanket and MLSS Inventory					MLSS		Total Dry		Accepted Septage	
	Loads	Gallons	# Dry	% Solids	Annual Cumulative # Dry	Tank #1	Tank #2	AB #1	Basin Gallons	# Dry	Clar #1	Clar #2	Clar #3	MLSS AB #1	MLSS AB #2	Gallons	# Dry	% Solids	Sludge Inventory	Total Dry	Loads	Gallons									
Jan-20	0	-	0	3.9%		6.0	4.0	0.0	450,000	145,367	1.0	1.5	0.0	4,260	4,690	3,644,405	136,015	0.00448	282,382		16	34,100									
Feb-20	0	-	0	3.9%	-	6.5	6.0	0.0	562,500	182,959	3.5	2.0	0.0	5,190	4,360	3,697,691	147,718	0.00479	330,676		23	57,000									
Mar-20	0	-	0	3.9%		5.5	7.0	0.0	562,500	182,959	2.0	5.0	1.0	5,760	5,940	3,767,762	183,825	0.00585	366,784		25	64,500									
Apr-20	25	92,500	29,315	3.8%	29,315	6.0	7.5	0.0	607,500	192,528	1.0	1.0	1.0	5,740	5,290	3,678,952	169,214	0.00552	361,742		39	107,000									
May-20	0	-	0	3.8%	29,315	6.0	8.0	0.0	630,000	199,660	1.0	7.0	1.0	6,010	6,110	3,785,524	191,322	0.00606	390,581		35	83,000									
Jun-20	25	92,500	31,650	4.1%	60,975	6.0	7.0	0.0	585,000	200,228	6.0	7.0	0.5	7,050	7,120	3,852,620	227,647	0.00709	427,875		6	18,000									
Jul-20	69	255,300	77,268	3.6%	138,243	6.0	7.0	0.0	585,000	177,054	7.0	7.0	1.0	6,890	7,380	3,892,096	231,603	0.00714	408,656		88	208,000									
Aug-20	76	281,200	83,286	3.6%	221,529	6.0	7.0	0.0	585,000	177,054	6.0	6.0	1.0	6,530	7,400	3,892,096	231,603	0.00714	408,656		67	159,000									
Sep-20	38	140,600	41,627	3.5%	263,156	5.0	4.0	0.0	405,000	119,953	1.0	1.0	0.5	6,000	6,200	3,857,238	186,058	0.0061	299,304		45	104,500									
Oct-20	45	165,500	55,298	4.0%	318,454	4.0	4.5	0.0	382,500	113,246	1.0	1.0	1.0	4,960	5,070	3,678,952	158,015	0.00515	277,578		16	32,000									
Nov-20	18	66,600	19,255	3.5%	337,709	5.0	3.0	0.0	360,000	119,563	1.0	0.0	0.5	4,780	4,080	3,639,476	134,465	0.00443	277,576		15	36,000									
Dec-20	11	40,700	14,843	4.4%	352,552	5.0	6.0	0.0	495,000	143,111	1.0	0.0	0.5	5,030	4,360	3,639,476	142,508	0.0047	306,620		33	69,000									
Jan-21	0	-	0	4.4%	-	7.0	3.5	0.0	472,500	173,389	6.0	0.0	1.0	3,810	3,780	3,750,000	118,589	0.0038	292,077		83	205,500									
Feb-21	0	-	0	4.4%	-	5.0	5.0	0.0	450,000	165,132	5.0	8.0	0.0	5,490	5,750	3,830,908	179,558	0.00502	344,690		28	69,500									
Mar-21	23	85,100	28,883	4.1%	28,883	5.0	7.0	0.0	585,000	198,549	2.0	5.0	0.5	6,830	6,330	3,746,048	205,573	0.00558	404,122		32	70,000									
Apr-21	39	144,300	45,269	3.8%	74,152	6.0	7.5	0.0	607,500	190,582	12.0	5.0	1.0	8,890	5,350	3,945,382	201,375	0.00612	391,957		22	52,000									
May-21	0	-	0	3.8%	74,152	6.0	7.0	0.0	585,000	185,398	13.0	14.0	1.0	6,200	6,330	4,123,002	215,427	0.00627	400,825		48	128,500									
Jun-21	0	-	0	3.8%	74,152	7.0	8.0	0.0	675,000	213,921	6.0	7.5	2.0	7,260	8,060	3,926,843	234,903	0.00717	448,824		63	151,500									
Jul-21	40	144,000	47,378	3.9%	121,530	5.0	7.0	0.0	540,000	177,668	7.0	12.0	3.0	9,190	8,110	4,057,762	279,340	0.00823	457,007		117	289,000									
Aug-21	153	550,800	166,383	3.6%	287,893	7.0	6.0	0.0	586,000	176,693	1.0	1.0	0.5	6,160	5,840	3,857,238	183,008	0.0060	359,701		66	163,000									
Sep-21	92	331,200	87,226	3.2%	375,119	2.0	3.0	0.0	225,000	59,257	1.0	1.0	0.5	5,320	6,180	3,657,238	175,383	0.0058	234,640		62	159,500									
Oct-21	17	61,200	22,698	4.4%	397,817	3.5	4.0	0.0	337,500	125,173	1.0	0.5	0.5	4,430	4,140	3,648,357	130,381	0.0043	255,554		34	80,000									
Nov-21	46	165,600	63,621	4.6%	461,438	3.0	2.0	0.0	225,000	86,442	0.5	1.0	0.0	5,130	4,980	3,626,643	152,139	0.0050	236,580		37	83,000									
Dec-21	16	57,600	24,139	5.0%	485,577	4.0	2.5	0.0	292,500	122,581	1.0	1.0	0.0	4,540	5,630	3,635,524	154,179	0.0051	276,759		27	62,000									
Jan-22	0	-	0	5.0%	-	4.5	3.0	0.0	337,500	140,738	1.0	3.5	0.0	5,060	5,180	3,679,929	157,136	0.0051	297,873		13	27,000									



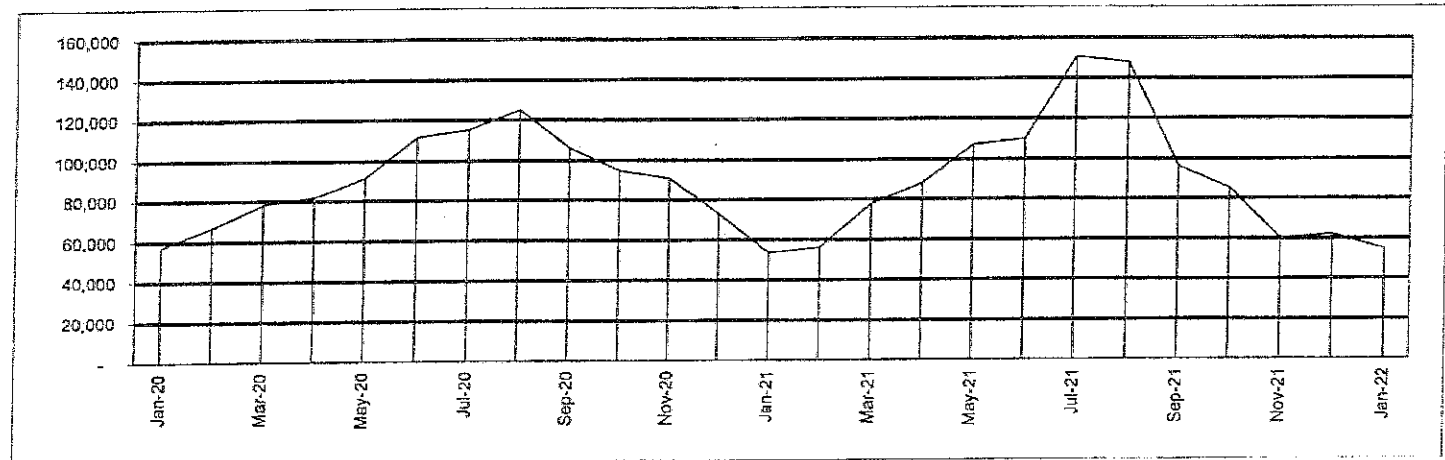
Electric Cost Kilowatts Used

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

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								
Jan-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	7.1				11.6	1.682	7.5				10.4		10.8				
2	6.9				10.0	1.755	7.5				12.4		7.2				
3	7.2				11.4	1.557	7.5				12.2		8.2				
4	7.1				11.1	1.537	7.3				11.1		8.7				
5	6.9			27.3	12.1	1.442	7.4			0.07	11.1		8.8				
6	6.9				10.1	1.339	7.2				11.4		6.8				
7	6.9	228	210		9.8	1.413	7.2	2.6	4.0		11.6		6.3	98.9	98.1		
8	7.1				11.3	1.492	7.2				11.6		7.4				
9	7.0				11.6	1.488	7.2				11.4		7.9				
10	6.8				11.2	1.477	7.2				11.4		7.6				
11	7.1				11.2	1.491	7.4				11.5		7.9				
12	6.9			38.9	13.8	1.441	7.4			0.20	10.9		9.7				
13	7.3				13.2	1.319	7.6				10.8		9.6				
14	7.3	260	248		12.4	1.400	7.7	1.8	0.8		10.7		9.3	99.3	99.7		
15	7.1				11.3	1.466	7.5				10.7		7.4				
16	7.1				10.7	1.624	7.5				10.9		7.7				
17	7.4				11.7	1.502	7.8				11.0		8.4				
18	7.4				10.5	1.418	7.7				10.8		8.6				
19	7.2			26.9	11.8	1.398	7.6			0.20	11.0		9.4				
20	7.0				8.0	1.448	7.5				11.4		5.5				
21	7.3	280	366		9.3	1.491	7.3	3.2	2.1		11.8		4.4	98.9	99.4		
22	7.4				9.9	1.418	7.7				11.7		5.4				
23	7.5				10.2	1.495	7.7				11.4		7.3				
24	7.1				12.1	1.457	7.6				11.0		8.5				
25	7.4				7.3	1.433	7.7				11.4		6.1				
26	7.0			37.1	9.5	1.464	7.3			0.01	11.7		5.5				
27	7.1				9.8	1.495	7.4				11.3		6.9				
28	7.3	263	230		10.9	1.434	7.5	3.1	2.3		11.5		6.1	98.8	99.0		
29	7.2				10.3	1.597	7.4				11.6		5.9				
30	7.3				10.3	1.577	7.5				11.3		7.0				
31	7.2				8.7	1.402	7.3				11.2		6.6				
Total						45.952											
Avg		258	264	32.6	10.7	1.482		2.7	2.3	0.12	11.3	0.0	7.5	99.0	99.0		
Min	6.8	228	210	26.9	7.3	1.319	7.2	1.8	0.8	0.01	10.4	0.0	4.4	98.8	98.1		
Max	7.5	280	366	38.9	13.8	1.755	7.8	3.2	4.0	0.20	12.4	0.0	10.8	99.3	99.7		

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	1.9	1.1	3.4	5.9	< 5.0	< 1.0	316	4.8	44.0	< 0.10
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
Total	1.9	1.1	3.4	5.9	< 5.0	< 1.0	316	4.8	44.0	< 0.10
Avg	1.9	1.1	3.4	5.9	< 5.0	< 1.0	316	4.8	44.0	< 0.10
Min	1.9	1.1	3.4	5.9	< 5.0	< 1.0	316	4.8	44.0	< 0.10
Max	1.9	1.1	3.4	5.9	< 5.0	< 1.0	316	4.8	44.0	< 0.10

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

OPERATIONAL CONTROLS/LABORATORY TEST REQUIRED FOR "ACTIVATED SLUDGE" PROCESSES												
DATE	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		0.8	4,890	750	12.5	1.1	5,610	810	12.7	41	0.3	7:30
2		1.0	5,070	820	10.0	1.1	5,590	830	10.4	15	0.4	7:30
3		1.0	5,030	800	8.9	1.1	5,510	850	9.6	15	0	7:30
4		1.4	4,860	780	8.3	1.4	5,710	880	9.0	28	0	7:30
5		1.8	4,350	630	8.5	1.4	5,520	850	8.9	28	0	7:30
6		2.5	4,310	790	6.5	3.0	5,440	820	7.3	19	0.1	7:30
7		3.3	4,890	800	5.6	2.5	5,290	830	6.2	15	0	7:30
8		2.7	4,770	800	7.6	3.6	5,170	850	7.6	32	0	7:30
9		1.8	4,680	760	8.2	2.1	5,480	860	8.3	36	0.05	7:30
10		1.4	4,530	780	7.4	1.4	5,740	880	7.9	23	0	7:30
11		1.5	4,710	750	7.8	1.5	5,530	790	8.7	25	0	7:30
12		1.3	4,450	490	9.5	1.1	5,290	810	10.6	38	0	7:30
13		1.4	4,730	650	10.5	1.3	4,920	740	11.4	42	0	7:30
14		1.2	4,590	550	10.2	1.1	5,180	760	11.0	37	0	7:30
15		0.9	5,350	830	9.6	1.3	5,000	800	10.2	43	0.5	7:30
16		0.9	5,200	780	8.9	1.3	4,870	800	9.3	29	0.3	7:30
17		1.1	5,300	800	9.2	1.6	4,760	680	9.4	35	0	7:30
18		0.9	5,370	830	8.6	1.8	4,830	670	8.9	30	0	7:30
19		0.9	5,690	830	9.9	1.8	4,630	670	10.4	40	0	7:30
20		1.2	5,610	840	6.0	2.2	4,990	820	8.0	11	0	7:30
21		1.1	4,780	800	5.7	2.8	5,540	870	6.5	8	0	7:30
22		1.8	4,520	760	6.5	2.8	5,670	850	7.0	22	0	7:30
23		2.7	4,270	600	8.5	1.2	5,900	850	8.7	36	0	7:30
24		1.6	5,010	740	9.4	1.2	5,540	830	9.7	47	0	7:30
25		0.9	5,000	820	6.6	1.3	4,490	810	7.1	19	0	7:30
26		1.3	4,960	820	6.3	1.6	5,330	840	6.7	15	0	7:30
27		1.1	4,750	770	7.7	1.3	5,730	840	7.9	33	0	7:30
28		1.1	4,630	760	7.1	1.2	5,330	840	7.6	28	0	7:30
29		1.5	5,220	720	7.1	1.7	4,960	840	6.5	19	0	7:30
30		1.1	5,560	870	7.4	1.2	4,720	770	7.9	26	0	7:30
31		1.1	5,060	800	7.5	2.0	5,180	800	8.0	24	0	7:30
COMMENTS:												

COMMENTS:

TESTS PERFORMED BY (PRINT)

John Hornback

REPORT APPROVED BY (PRINT)

Gary Hutchcraft

SIGNATURE

John Hornback

SIGNATURE

Gary Hutchcraft

PHONE #

(573)365-0455

PHONE #

(573)365-0455

DATE

2/2/2022

DATE

2/2/2022

*Required Daily (Monday - Friday)

**Required 1/week

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

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

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

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
Flow, in conduit or thru treatment plant	*****	*****	*****	*****	1.755	1.482	Mgal/d
Mon. Location.: End of Pipe	*****;*****	*****;*****	*****;*****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
Sample Type: Total Measured							
Frequency: Daily							
BOD, 5-day, 20 deg. C	*****	3.2	2.7	mg/L	*****	*****	*****
Mon. Location.: End of Pipe	*****;*****	Weekly Avg.:45	Monthly Avg.:30		*****;*****	*****;*****	
Sample Type: 24 Hour Composite							
Frequency: Weekly							
Total Suspended Solids (TSS)	*****	4.0	2.3	mg/L	*****	*****	*****
Mon. Location.: End of Pipe	*****;*****	Weekly Avg.:45	Monthly Avg.:30		*****;*****	*****;*****	
Sample Type: 24 Hour Composite							
Frequency: Weekly							
Phosphorus, total (as P)	1.9	*****	1.9	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)	1.1	*****	1.1	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)	3.4	*****	3.4	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)	0.20	*****	0.12	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
 WWTTP 1
 13 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	*****	7.8	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	*****	*****	98.1	%	*****	*****	*****
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)

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

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

Parameters	Reporting Requirements			Unit	Reporting Requirements		
BOD, 5-day, 20 deg. C	*****	*****	258	mg/L	*****	*****	*****
Mon. Location.: Influent	*****	*****	Monthly Avg.:Monitoring Required		*****	*****	
Sample Type: 24 Hour Composite							
Frequency: Monthly							
Total Suspended Solids (TSS)	*****	*****	264	mg/L	*****	*****	*****
Mon. Location.: Influent	*****	*****	Monthly Avg.:Monitoring Required		*****	*****	
Sample Type: 24 Hour Composite							
Frequency: Monthly							
Nitrogen, ammonia total (as N)	38.9	*****	32.6	mg/L	*****	*****	*****
Mon. Location.: Influent	Daily Max.:Monitoring Required	*****	Monthly Avg.:Monitoring Required		*****	*****	
Sample Type: 24 Hour Composite							
Frequency: Monthly							
Phosphorus, total (as P)	4.8	*****	4.8	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)	44.0	*****	44.0	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 February 3, 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 178
Jefferson City, MO, 65102

Permit Number	Outfall Number
MO0103241	001Q
Monitoring Period	
1/1/22	3/31/22
NODI:	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
Oil and grease	5.9	*****	5.9	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)	316	*****	316	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
13 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 3, 2022	User Phone Number (573)365-0455
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1 JANUARY 2012

Prepared by: (7H, JF12)

Approved by _____ GM

Date 03/01/22