

**OSAGE BEACH / LAKE OZARK
JOINT SEWER BOARD MEETING
AGENDA
MAY 18, 2021 @ 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, Dave Van Dee
Alderman, Osage Beach, Phyllis Marose
Alderman, Lake Ozark, Dale Hicks
Public Works Director, Lake Ozark, Matt Michalik
Public Works Operations Manager, Osage Beach, Kevin Crooks
Resident Member, Mr. Gary Hamner

3. MINUTES

Page Numbers

Regular Meeting: April 20, 2021

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4. REPORTS

Bill List

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Revenue Budget Analysis

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Expenditure Budget Analysis

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Income & Expense Summary

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April Alliance Report of Operations

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Approval of Flow Charts April 2021

5. OLD BUSINESS

A. Board Representative update

6. NEW BUSINESS

A. Update Signature cards for Central Bank and First Bank

7. ADDITIONAL DISCUSSION ITEMS

8. ADJOURNMENT

THE NEXT MEETING WILL BE JUNE 15, 2021 4:00 PM @ LAKE OZARK CITY HALL

**LAKE OZARK-OSAGE BEACH
JOINT SEWER BOARD
Meeting Minutes – April 20, 2021**

CALL TO ORDER:

Mayor John Olivarri called the meeting to order at 4:03 pm on Tuesday, April 20, 2021, 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, Dave Van Dee – Present
Alderman Osage Beach, Phyllis Marose- Absent
Alderman Lake Ozark, Judy Neels- Absent
Public Works Director Lake Ozark, Matt Michalik – Present
Resident Member, Mr. Gary Hamner – Present

MINUTES:

City Administrator Van Dee motioned to approve the meeting minutes of March 16, 2021. His motion was seconded by Public Works Director Michalik and passed unanimously.

REPORTS:

The March Bill list and Revenue Budget, Expenditure Budget Analysis, Income & Expense Summary and Check Registers and Bank Statements were reviewed. A Motion was made by City Administrator Woods to approve the documents and pay the bills. Her motion was seconded by Resident Member Hamner and was passed unanimously.

Alliance Report of Operations: The average daily incoming flow for March was 1.268 mgd. We had 7.1 inches of precipitation measured at the WWTP.

Operationally, the plant's discharge was excellent, with an effluent monthly average BOD of 3.6 mg/l and TSS of 2.9 mg/l respectively for March, which represents a 98.2% or better removal.

The MLSS average for both aeration basins was 5,892 mg/l. The total dry weight sludge inventory for March totaled 404,122 pounds. There were 23 tanker loads of biosolids or 85,100 gallons land applied for March. There were 32 loads of septage or 70,000 gallons received for the month.

APPROVAL OF FLOW CHART

Motion was made by City Administrator Van Dee to approve the Flow Chart for March. His motion was seconded by Public Works Director Michalik. Unanimous approval, motion passed.

OLD BUSINESS:

- A. Board Representative Update: none at this time

NEW BUSINESS:

- A. Per Gary Hutchcraft they invited 4 vendors to bid on the replacement lawn mower and only received 3 bids back. Heritage tractor came back with a bid of \$7,347.16 for a John Deere X730 garden tractor with a 4 year bumper to bumper warranty. They also bid \$6,559.60 for a John Deere Z915E zero turn with a 3 year bumper to bumper. Sydensticker came in with a bid for \$7,991.38 for a John Deere X730 garden tractor with a 4 year bumper to bumper warranty. They also bid \$5,962.64 for a John Deere Z915E zero turn with a 3 year bumper to bumper. Crown Power came in with a bid of \$7,600.00 for a Kubota GR2020G3 garden tractor with a 3 year unlimited hrs warranty. They also bid \$5,700.00 for a Kubota Z412KW zero turn with a 2 year unlimited hrs warranty. Gary stated he is leaning towards the zero turn because it is heavier duty. A motion to accept the bid for Sydenstricker John Deere Z915 E zero turn for \$5,962.64 was made by Resident member Hamner, his motion was seconded by Public Works Director Michalik. Unanimous approval, motion passed
- B. Per Gary Hutchcraft they invited 4 vendors to build on the chain link fence repair project and only received 2 bids back. Reliable Services came in with a bid of \$6,650.00. Truesdell fence came in with a bid of \$3,400.00. A motion to accept Truesdell Fence for \$3,400.00 was made by City Administered Woods, Her motion was seconded by City Administrator Van Dee. Unanimous approval, motion passed.

ADDITIONAL DISCUSSION ITEMS: None at this time.

ADJOURNMENT:

With no further business to discuss, the meeting adjourned at 4:22 pm.

Mayor, John Olivarri

City Collector, Trisha Kane

**JOINT SEWER BOARD
BILL LIST
MAY 18, 2021**

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:	\$ 633.63
OPERATING FUND BILLS TO BE PAID:	\$ 41,602.79
EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:	\$ -
EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:	\$ 6,112.64
TOTAL	\$ 48,349.06

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:

Account	Check	Paid To:	Description:	Amount:
4020	396	Menards	11033 Cleaning Supp & Weed Killer	\$ 85.35
4150	399	Clark Tire Co.	131833 Sludge Trk Tire Repair	\$ 80.00
4150	399	Clark Tire Co.	132077 Sludge Trk Tire Repair	\$ 86.95
4020	406	Martin Energy Group	192051 Annual Maintenance	\$ 334.00
4020	407	O'Reilly	354849 Lawnmower belt	\$ 47.33
				\$ -
			TOTAL	\$ 633.63

OPERATING FUND BILLS TO BE PAID:

Account	Check	Paid To:	Description:	Amount:
4000	408	Equipment Replacement Fund	Payment into ER Fund	\$ 10,134.00
4020	409	Majestic Franchising	May	\$ 196.17
4020	410	Menards	11685 Marker Paint & supplies	\$ 14.75
4020	410	Menards	11693 Lock & Garden	\$ 6.85
4020	410	Menards	12371 cleaning Supplies	\$ 11.16
4020	411	MU Extension Miller C	42621 Soil Samples	\$ 90.00
4150	412	O'Reilly	358479 Trailer Lights	\$ 15.99
4150	412	O'Reilly	358495 Tail Light Plug	\$ 26.80
4150	412	O'Reilly	361832 Fix A Flat	\$ 15.99
4150	413	Sydenstricker	1368902 Hitch Kit	\$ 37.83
4170	414	Alliance Water Resources, Inc.	May	\$ 25,720.00
4175	415	Ameren MO	11673321	\$ 5,115.09
4175	415	Ameren MO	98041275	\$ 166.38
4176	416	Republic	May	\$ 51.78
				\$ -
			TOTAL	\$ 41,602.79

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	1062	John Deere	7896127 Lawn Mower	\$ 6,112.64
				\$ -
				\$ -
			TOTAL	\$ 6,112.64



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

AMOUNT DUE \$5,115.09

Due Date 06/01/2021

Current Detail for Statement 05/10/2021

Total Electric Charges \$5,115.09

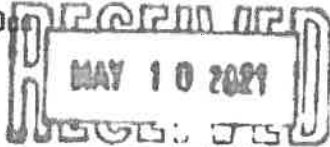
Amount After Due Date \$5,191.82

Total Amount Due \$5,115.09

Previous Statement \$4,879.05

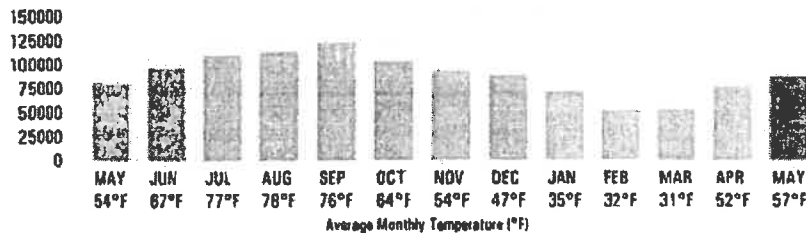
Total Payments \$4,879.05

Payment Received. Thank You.



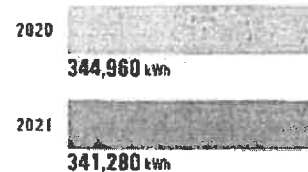
Electric Usage History

Electric Usage in Kilowatt Hours (kWh)



Electric Usage Summary (kWh)

So far this year, you're using **1.1% less** than last year.



Usage from Jan-May for 2020 & 2021

13073
00216 6559420 000348 000897 00017002

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GL Acct#: 4675
Signature: [Signature]
D to: 5/10/21



See next page for service details.

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Page 1 of 4

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Amount Due	Due Date
\$5,115.09	June 01, 2021
Delinquent Amount After Due Date	Account Number
\$5,191.82	4580005832
Amount Enclosed \$	

>000216 6559420 0006 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 000005115090 000005115090



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Electric Service Details Service from 04/07/2021 - 05/06/2021 (29 days)

Electric Meter Read

METER NUMBER	SERVICE FROM - TO	NO. DAYS	USAGE TYPE	READING TYPE	CURRENT READING	PREVIOUS READING	READING DIFFERENCE	MULTIPLIER	USAGE
11673321	04/07 - 05/06	29	Total kWh	Actual	85841.0000	65300.0000	541.0000	180.0000	86560.0000
11673321	04/07 - 05/06	29	Peak kW	Actual	1.2810	0.0000	1.2810	180.0000	204.9900

Usage Summary

Total kWh	86560.0000	Peak kW	205.0000
Total Billing Demand	205.0000	October Winter Base kW	176.2000
Winter Base Demand	176.2000	Base kWh Ratio	0.8595
Base kWh (HUD)	74398.0000	Seasonal kWh (HUD)	12162.0000

Rate 3M Large General Service

DESCRIPTION	USAGE	UNIT	RATE	CHARGE
Seasonal Energy Charge	12,162.00	kWh	@ \$ 0.03560000	\$432.97
Demand Charge	205.00	kW	@ \$ 2.00000000	\$410.00
Base Energy Charge / Hours Used	26,430.00	kWh	@ \$ 0.06090000	\$1,609.59
Base Energy Charge / Hours Used	35,240.00	kWh	@ \$ 0.04520000	\$1,592.85
Base Energy Charge / Hours Used	12,728.00	kWh	@ \$ 0.03560000	\$453.12
Customer Charge				\$95.29
Fuel Adjustment Charge	86,560.00	kWh	@ \$ 0.00026000	\$22.51
Energy Efficiency Investment Charge	86,560.00	kWh	@ \$ 0.00559200	\$484.04
Renewable Energy Adjustment	86,560.00	kWh	@ \$ 0.00017000	\$14.72
Total Service Amount				\$5,115.09
Total Electric Charges				\$5,115.09

Payments Since Previous Statement

DATE RECEIVED	AMOUNT
April 28, 2021	\$4,679.05

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

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 Phone Number _____

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

AMOUNT DUE \$166.38

Due Date 06/01/2021

Current Detail for Statement 05/10/2021

Total Electric Charges \$166.38

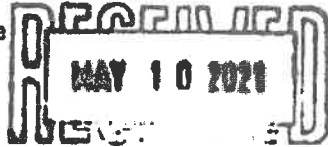
Amount After Due Date \$168.88

Total Amount Due \$166.38

Previous Statement \$97.41

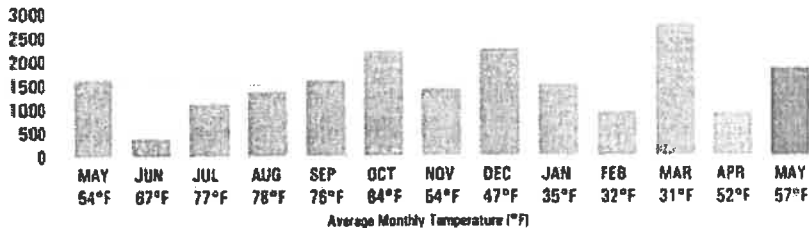
Total Payments \$97.41

Payment Received: Thank You.



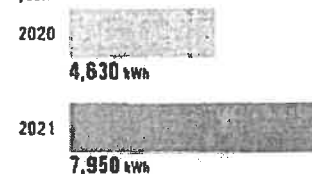
Electric Usage History

Electric Usage in Kilowatt Hours (kWh)



Electric Usage Summary (kWh)

So far this year, you're using **71.7% more** than last year.



Usage from Jan-May for 2020 & 2021

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GL Acct#: 4175

Signature: [Signature]

Date: 5/10/21



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Amount Due	Due Date
\$166.38	June 01, 2021
Delinquent Amount After Due Date	Account Number
\$168.88	5580005920

Amount Enclosed \$

>000501 6559420 0006 092139 102

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

AMEREN MISSOURI
PO BOX 88068
CHICAGO IL 60680-1068

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Electric Service Details Service from 04/07/2021 - 05/06/2021 (29 days)

Electric Meter Read

METER NUMBER	SERVICE FROM TO	NO. DAYS	USAGE TYPE	READING TYPE	CURRENT READING	PREVIOUS READING	READING DIFFERENCE	MULTIPLIER	USAGE
98041275	04/07 - 05/06	29	Total kWh	Actual	21898.0000	21775.0000	183.0000	10.0000	1830.0000
98041275	04/07 - 05/06	29	Peak kW	Actual	5.1840	0.0000	5.1840	10.0000	51.8400

Usage Summary

Total kWh	1830.0000	Winter Base kWh	1600.0000
Current Base kWh	1600.0000	Seasonal kWh	230.0000

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

Threshold - Peak Demand

DESCRIPTION	USAGE	UNIT	RATE	CHARGE
Base Energy Charge	1,600.00	kWh	@ \$ 0.07790000	\$124.64
Seasonal Energy Charge	230.00	kWh	@ \$ 0.04490000	\$10.33
Customer Charge				\$19.99
Fuel Adjustment Charge	1,830.00	kWh	@ \$ 0.00026000	\$0.48
Energy Efficiency Investment Charge	1,830.00	kWh	@ \$ 0.00581100	\$10.63
Renewable Energy Adjustment	1,830.00	kWh	@ \$ 0.00017000	\$0.31
Total Service Amount				\$168.38
Total Electric Charges				\$168.38

Payments Since Previous Statement

DATE RECEIVED	AMOUNT
April 26, 2021	\$97.41

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

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

Account Number	Account Name	4/30/2021					Percent YTD
		2019 Actual	2020 Actual	2021 Budget	2021 Actual as of 4/30/2021	2021 April Revenue	
3020	Osage Beach	475,091.53	475,836.10	473,000.00	155,573.24	38,747.58	33%
3010	Lake Ozark	74,908.46	74,163.90	77,000.00	27,760.09	7,085.75	36%
3030	Misc.	0.00	4,500.00	0.00	781.00	781.00	0%
3100	Interest	4,286.79	4,019.49	2,000.00	1,648.69	538.69	82%
3060	Waste Haulers' Fee	26,260.00	39,320.00	36,000.00	15,980.00	2,080.00	44%
Total Operating Fund		580,546.78	597,839.49	588,000.00	201,743.02	49,233.02	34%
E/R Fund Income		9,001.77	8,955.85	6,000.00	2,262.43	420.38	38%
TOTAL INCOME		589,548.55	606,795.34	594,000.00	204,005.45	49,653.40	34%

**MONTH-TO-DATE AND YEAR-TO-DATE
EXPENDITURE/BUDGET ANALYSIS
4/30/2021**

Account Number	Account Name	2019 Actual	2020 Actual	2021 Budget	2021 Actual as of 4/30/2021	2021 April Expenses	Percent YTD
4000	Equipment Replace Fund	41,604.00	71,604.00	121,606.00	40,536.00	10,134.00	33%
4020	*Maintenance & Repair	104,062.97	26,299.39	38,800.00	72,567.43	1,125.76	197%
4140	Insurance	18,761.00	19,865.00	19,200.00	19,860.00	19,079.00	103%
4150	Vehicle Repair/Main	5,479.60	12,479.74	8,000.00	947.14	888.51	12%
4170	Contract Management	299,592.00	305,580.00	314,752.00	102,880.00	25,720.00	33%
4175	Electric	73,276.87	75,077.36	75,000.00	16,006.17	4,776.48	21%
4176	Utilities Misc.	3,717.52	2,485.59	3,500.00	1,912.53	184.87	55%
4190	Bank Charges	176.00	32.60	0.00	0.00	0.00	0%
4200	Audit	2,400.00	2,648.50	2,600.00	0.00	0.00	0%
4240	Capital Purchases	145,247.00	0.00	500.00	0.00	0.00	0%
	Totals	694,316.96	516,072.18	581,958.00	254,709.27	61,908.60	44%
	**E/R Expenses	41,280.51	85,258.27	221,000.00	12,396.60	0.00	6%
	TOTAL EXPENSES	735,597.47	601,330.45	802,958.00	267,105.87	61,908.60	33%

2020 CARRY

***Maintenance & Repair**

Accounting - QuickBooks	300.00
Auto Dialer Yrly Software Fee	500.00
Regular Maintenance	15,000.00
UV Spare Parts	10,000.00
Ducking skimmer arm Elec repair	5,000.00
Rock for Road	2,000.00
Chain-link fence repair	4,000.00
Sandblast & paint clarifier #2	68,400.00
	-
	38,800.00

****Equipment & Replacement**

Replace Pista Grit Cart w/machine work	3,000.00
Replace wooden doors w/fiberglass	2,000.00
Rebuild 3 RAS pumps	10,000.00
Replace lawn mower	6,000.00
Sludge Truck	200,000.00
	-
	221,000.00

OPERATING FUND INCOME AND EXPENSE SUMMARY
4/30/2021

Beginning Balance	301,929.08
Income - Osage Beach	38,747.58
Income - Lake Ozark	7,085.75
Income - Other	781.00
Income - Waste Haulers' Fees	2,080.00
Interest - Checking	2.19
Income - CD Interest	536.50
Transfers From E/R Fund	-
Transfers to E/R Fund	(10,134.00)
Expenses	(51,774.60)
Ending Fund Balance	289,253.50
Central Bank - NOW Acct.	70,384.57
	-
CD First Bank of the Lake, 2/20/21 #101318432	106,545.48
CD First Bank of the Lake, 4/22/21 #101318433	112,692.01
	-
Outstanding Checks:	(368.56)
	289,253.50

EQUIPMENT REPLACEMENT FUND INCOME AND EXPENSE SUMMARY
4/30/2021

Beginning Balance	552,270.17
Interest - Checking	101.41
Income - CD Interest	318.97
Transfers to E/R Fund	10,134.00
Income - Miscellaneous	-
Expenses	-
Ending Fund Balance	562,824.55
First Bank of the Lake - Money Mkt.	183,800.65
CD First Bank of the Lake, 7/30/21 #101318430	109,023.90
CD First Bank of the Lake, 11/07/21 #101318434	270,000.00
	-
	-
Outstanding Checks:	-
	562,824.55

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Inc.**

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65201**

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REPORT OF OPERATIONS

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

Month of April 2021

Submitted by Alliance Water Resources, Inc. for the

May 2021

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	Metals Selenium ug/L
Monthly Average	3.1	2.7	N/A	< 20		0.07	< 4.9	1.2
Peak Day	3.8	3.6	7.9	< 20		0.14	< 4.9	1.2
Percent Removal	98.7	98.9	N/A	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	Metals Selenium ug/ L
Monthly Average	30	30	6-9	126		1.1	10	3.6
Weekly Average	45	45		630				
Daily Max				N/A		6.0	15	9.1

PLANT HYDRAULIC AND ORGANIC LOADING

The average daily influent flow for the month was 1.199 MGD or 40% 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 71160 pounds of BOD.

BIOSOLIDS APPLICATION AND INVENTORY

Plant personnel land applied 39 tanker loads of bio-solids during the month equivalent to a total of 144,300 gallons and 45,269 pounds dry weight solids.

74,152 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 607,500 gallons with a level of 6.0 feet in Tank 1 and 7.5 feet in Tank 2.

WASTEHAULERS

The plant received 22 loads of septage during the month totaling 52,000 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)
- We had a blowout on one of the rear tires on the sludge truck on the 13th of April and we had it replaced with one of the spares that we had in inventory on the 14th.
- The sludge truck transmission went out on the 27th of April and we had to have it towed to Roemers Garage. Larry said something came loose inside the transmission which caused the breakdown, and he is going to pull it and see if it is fixable vs replacement.

SAFETY

- We conducted our monthly Safety Meeting on Distracted Driving Prevention, Vehicle Backing & Driver Safety: Hazardous Driving Conditions on the 7th of April.

REGULATORY AGENCY, INSPECTION AND REPORTS

- We filled out the new EDMR on the EPA MoGEM website on the 5th of May.
- We received our 2nd quarter 503 Regs lab results on the 29th of April and everything looked good.

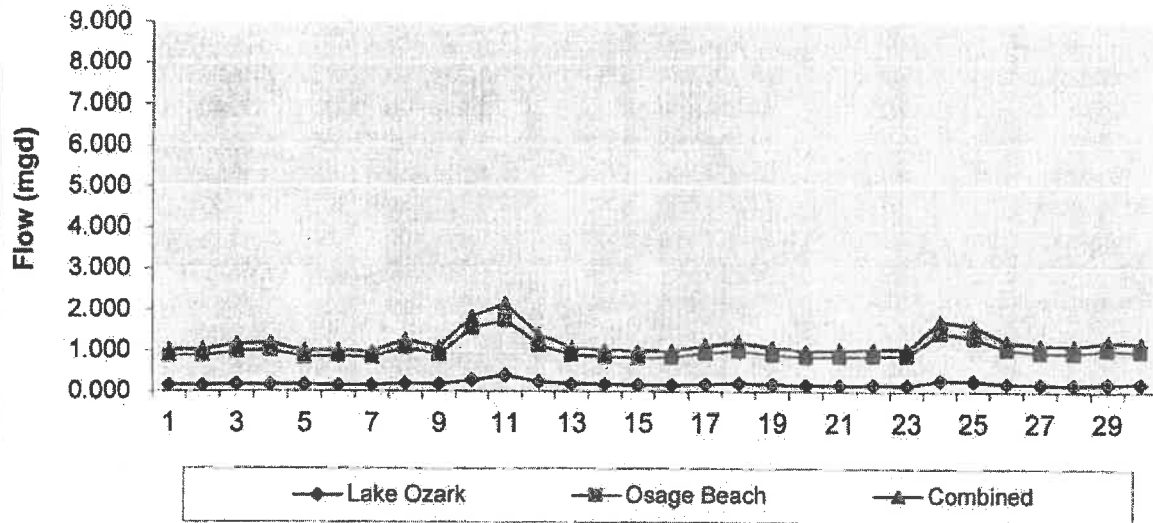
MISCELLANEOUS AND RECOMMENDATIONS

**TABLE A
LAKE OZARK/OSAGE BEACH WWTP**

MONTH OF April 2021

DATE		FLOW					BOD 5 MG/L			TSS MG/L		
	RAIN FALL IN.	LO mgd	OB mgd	COMB mgd	% LO	% OB	LO mg/l	OB mg/l	COMB mg/l	LO mg/l	OB mg/l	COMB mg/l
1-Apr	0	0.150	0.871	1.021	14.7	85.3						
2-Apr	0	0.147	0.881	1.028	14.3	85.7	273	238	235	150	176	200
3-Apr	0	0.178	0.977	1.155	15.4	84.6						
4-Apr	0	0.165	1.016	1.181	14.0	86.0						
5-Apr	0	0.165	0.834	0.999	16.5	83.5						
6-Apr	0	0.147	0.856	1.003	14.7	85.3						
7-Apr	0.1	0.153	0.832	0.985	15.5	84.5						
8-Apr	0.7	0.189	1.066	1.255	15.1	84.9						
9-Apr	0.25	0.181	0.905	1.086	16.7	83.3	438	250	275	388	204	254
10-Apr	1.1	0.282	1.551	1.833	15.4	84.6						
11-Apr	0.5	0.400	1.746	2.146	18.6	81.4						
12-Apr	0	0.245	1.150	1.395	17.6	82.4						
13-Apr	0	0.184	0.883	1.067	17.2	82.8						
14-Apr	0	0.177	0.846	1.023	17.3	82.7						
15-Apr	0	0.160	0.826	0.986	16.2	83.8						
16-Apr	0	0.157	0.839	0.996	15.8	84.2	148	205	198	106	130	186
17-Apr	0.2	0.187	0.949	1.136	16.5	83.5						
18-Apr	0	0.207	1.005	1.212	17.1	82.9						
19-Apr	0	0.178	0.910	1.088	16.4	83.6						
20-Apr	0	0.159	0.846	1.005	15.8	84.2						
21-Apr	0.5	0.159	0.866	1.025	15.5	84.5						
22-Apr	0	0.162	0.875	1.037	15.6	84.4	315	220	263	230	168	296
23-Apr	0	0.155	0.875	1.030	15.0	85.0						
24-Apr	1.25	0.278	1.446	1.724	16.1	83.9						
25-Apr	0.1	0.275	1.335	1.610	17.1	82.9						
26-Apr	0	0.203	1.037	1.240	16.4	83.6						
27-Apr	0	0.185	0.964	1.149	16.1	83.9						
28-Apr	0	0.167	0.962	1.129	14.8	85.2						
29-Apr	0.5	0.193	1.032	1.225	15.8	84.2						
30-Apr	0	0.204	0.998	1.202	17.0	83.0	198	203	215	120	180	346
SUM	5.2	5.792	30.179	35.971								
AVG		0.193	1.006	1.199	16	84	274	223	237	199	172	256
NOTE: BOLD PRINT INDICATES WEEKEND DAYS												

**Daily Flow
Figure 1**



**Effect of Rainfall on Flow
Figure 2**

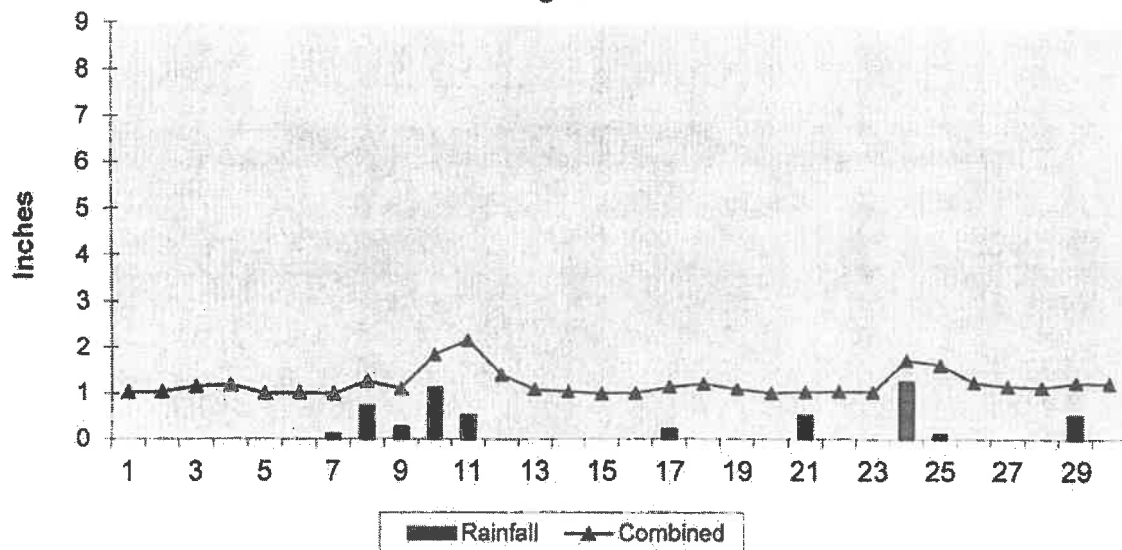
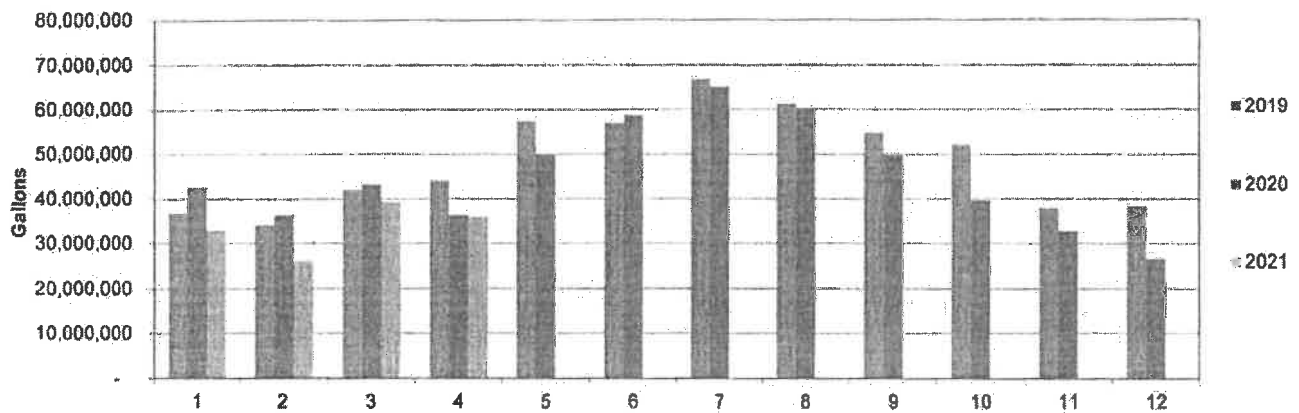


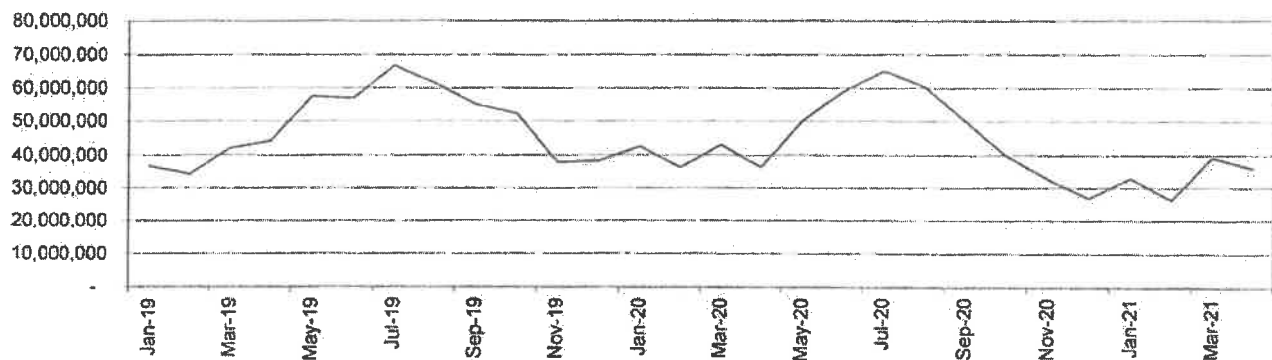
TABLE B
JOINT SEWER BOARD
Monthly Flows

<u>2019</u>	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	2.1	32,085,000	87%	4,708,000	13%	36,793,000	100%
February	4.4	29,492,000	86%	4,650,000	14%	34,142,000	100%
March	6.3	36,210,000	86%	5,876,000	14%	42,086,000	100%
April	4.1	37,991,000	86%	6,135,000	14%	44,126,000	100%
May	9.9	49,124,000	85%	8,333,000	15%	57,457,000	100%
June	6.0	49,051,000	86%	7,864,000	14%	56,915,000	100%
July	4.8	57,666,000	86%	9,132,000	14%	66,798,000	100%
August	6.0	53,074,000	87%	8,215,000	13%	61,289,000	100%
September	3.5	47,732,000	87%	7,165,000	13%	54,897,000	100%
October	11.1	44,971,000	86%	7,194,000	14%	52,165,000	100%
November	3.5	33,141,000	87%	4,779,000	13%	37,920,000	100%
December	1.8	33,575,000	88%	4,708,000	12%	38,283,000	100%
	63.2	504,112,000	86%	78,759,000	13%	582,871,000	100%
<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							
June							
July							
August							
September							
October							
November							
December							
	18.2	113,270,000	84%	21,145,000	16%	134,415,000	100%

Monthly Influent Flow
Figure 3A

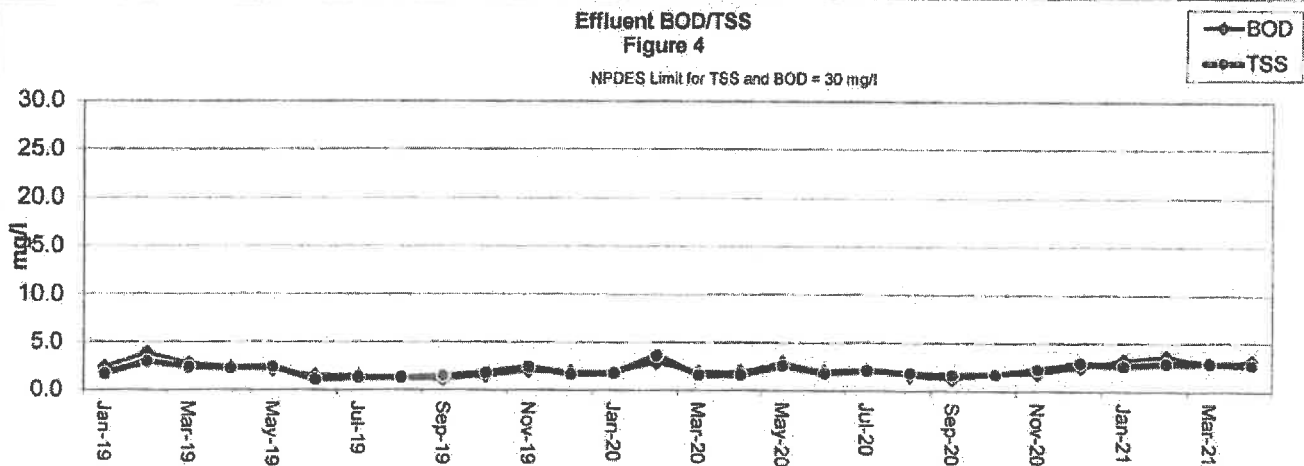


Monthly Influent Flow
Figure 3B



Effluent BOD/TSS
Figure 4

NPDES Limit for TSS and BOD = 30 mg/l

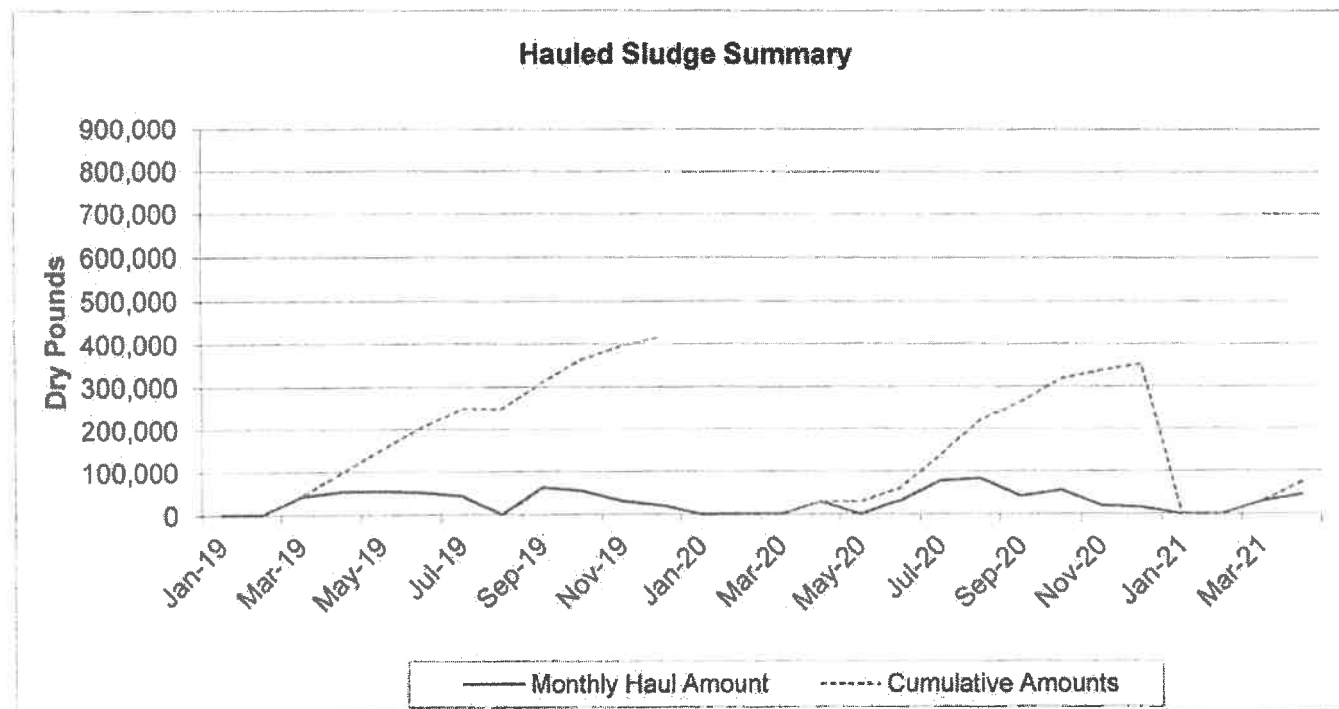
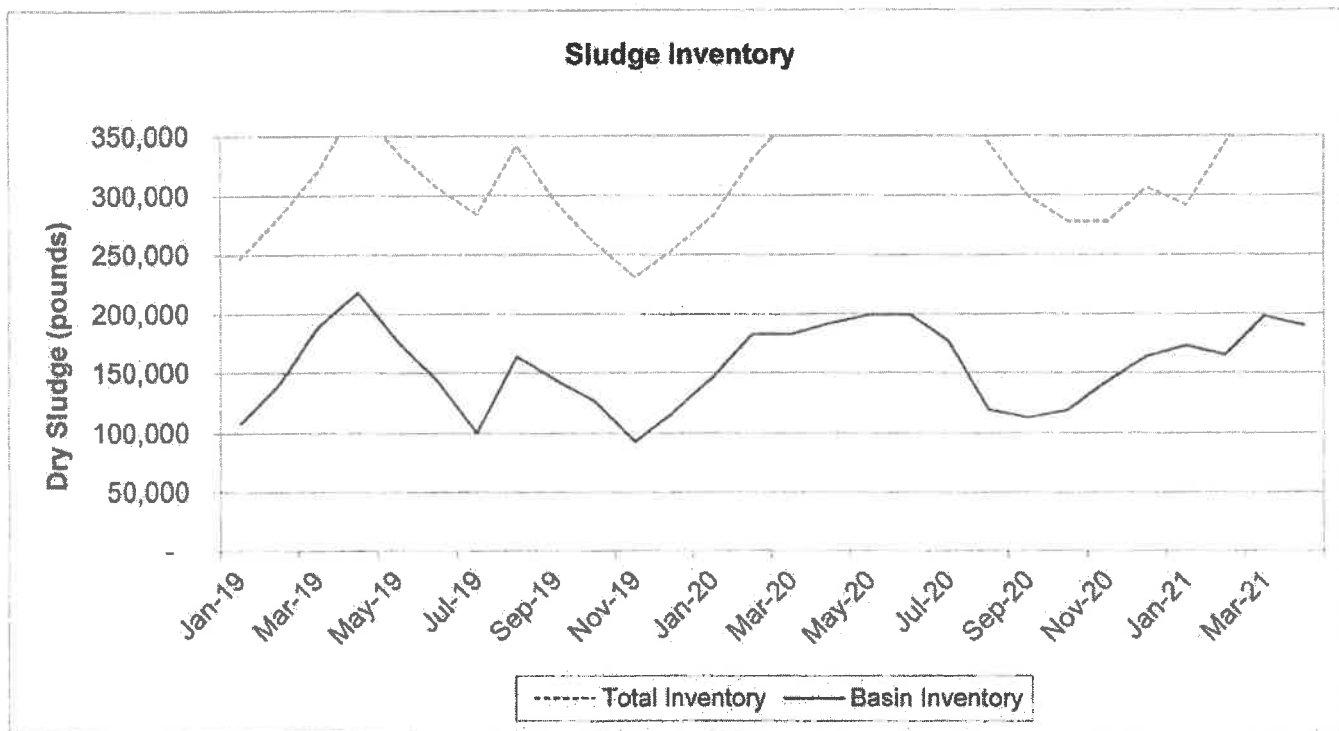


	Hauled Sludge				Annual Cumulative # Dry
	Loads	Gallons	# Dry	% Solids	
Jan-19	0	-	0	3.4%	
Feb-19	0	-	0	3.4%	
Mar-19	36	133,200	43,139	3.9%	43,139
Apr-19	39	144,300	53,940	4.5%	97,079
May-19	49	181,300	54,866	3.6%	151,945
Jun-19	44	162,800	51,872	3.8%	203,817
Jul-19	37	136,900	43,633	3.8%	247,450
Aug-19	0	-	0	3.8%	247,450
Sep-19	58	214,800	62,487	3.5%	309,937
Oct-19	50	185,000	54,742	3.5%	364,679
Nov-19	29	107,300	31,629	3.5%	396,308
Dec-19	17	62,900	20,643	3.9%	416,951
Jan-20	0	-	0	3.9%	
Feb-20	0	-	0	3.9%	
Mar-20	0	-	0	3.9%	
Apr-20	25	92,500	29,315	3.8%	29,315
May-20	0	-	0	3.8%	29,315
Jun-20	25	92,500	31,560	4.1%	60,875
Jul-20	69	255,300	77,288	3.6%	138,243
Aug-20	76	281,200	83,286	3.6%	221,529
Sep-20	38	140,600	41,627	3.5%	263,156
Oct-20	45	166,500	55,298	4.0%	318,454
Nov-20	18	66,600	19,255	3.5%	337,709
Dec-20	11	40,700	14,843	4.4%	352,552
Jan-21	0	-	0	4.4%	
Feb-21	0	-	0	4.4%	
Mar-21	23	85,100	28,883	4.1%	28,883
Apr-21	39	144,300	45,269	3.8%	74,152

Basin Depths					# Dry
Tank #1	Tank #2	AB #1	Basin	Gallons	
5.0	3.5	0.0	382,500	108,462	
6.0	5.0	0.0	495,000	140,362	
6.0	7.0	0.0	585,000	189,462	
5.5	7.5	0.0	585,000	218,676	
8.0	5.0	0.0	585,000	177,036	
7.0	3.0	0.0	450,000	143,381	
3.0	4.0	0.0	315,000	100,397	
5.5	6.0	0.0	517,500	164,006	
7.0	4.0	0.0	495,000	144,134	
7.5	2.0	0.0	427,500	126,498	
3.5	3.5	0.0	315,000	92,853	
6.0	2.0	0.0	360,000	118,148	
6.0	4.0	0.0	450,000	146,367	
6.5	6.0	0.0	562,500	182,959	
5.5	7.0	0.0	562,500	182,959	
6.0	7.5	0.0	607,500	192,528	
6.0	8.0	0.0	630,000	199,660	
6.0	7.0	0.0	585,000	200,228	
6.0	7.0	0.0	585,000	177,054	
5.0	4.0	0.0	405,000	119,953	
4.0	4.5	0.0	382,500	113,246	
5.0	3.0	0.0	360,000	119,583	
5.0	6.0	0.0	495,000	143,111	
4.5	5.5	0.0	450,000	164,112	
7.0	3.5	0.0	472,500	173,389	
5.0	5.0	0.0	450,000	165,132	
6.0	7.0	0.0	585,000	198,549	
6.0	7.5	0.0	607,500	190,582	

Blanket Depths			MLSS Inventory		Blanket and MLSS Inventory		MLSS		Total Dry
Clarf #1	Clarf #2	Clarf #3	MLSS AB #1	MLSS AB #2	Gallons	# Dry	% Solids	Sludge Inventory	
1.0	1.0	0.0	4,650	4,480	3,635,524	138,412	0.00457	246,874	
1.0	1.0	0.0	4,570	4,740	3,635,524	141,141	0.00466	281,503	
0.5	1.0	0.0	4,780	3,920	3,628,643	131,571	0.00435	321,033	
1.5	0.5	1.0	5,720	4,530	3,678,952	157,248	0.00513	375,923	
3.0	1.5	1.0	5,150	5,160	3,723,357	160,077	0.00516	337,113	
2.0	4.0	1.5	5,610	4,810	3,771,714	163,896	0.00521	307,267	
2.0	3.0	0.5	6,060	5,830	3,710,524	183,973	0.00585	284,370	
5.0	3.0	0.5	5,660	5,680	3,763,810	177,982	0.00567	341,998	
2.0	1.0	1.0	4,490	5,310	3,699,714	160,807	0.00489	294,741	
2.5	3.0	1.0	4,170	4,350	3,741,119	132,916	0.00426	269,414	
3.5	5.0	0.0	4,980	3,850	3,750,977	138,115	0.00442	230,968	
1.0	1.0	0.0	5,090	3,940	3,635,524	136,896	0.00452	255,044	
1.0	1.5	0.0	4,260	4,690	3,644,405	136,015	0.00448	282,382	
3.5	2.0	0.0	5,190	4,390	3,697,691	147,718	0.00479	330,676	
2.0	5.0	1.0	5,760	5,940	3,767,782	183,825	0.00585	366,784	
1.0	1.0	1.0	5,740	5,290	3,678,952	169,214	0.00552	361,742	
1.0	7.0	1.0	6,010	6,110	3,785,524	191,322	0.00606	390,981	
6.0	7.0	0.5	7,050	7,120	3,852,620	227,647	0.00709	427,875	
7.0	7.0	1.0	6,890	7,380	3,892,096	231,603	0.00714	408,656	
6.0	6.0	1.0	6,530	7,400	3,856,572	224,021	0.00687	343,974	
1.0	1.0	0.5	6,008	6,200	3,657,238	186,058	0.0061	298,304	
1.0	1.0	1.0	4,960	5,070	3,678,952	158,015	0.00515	277,578	
1.0	0.0	0.5	4,780	4,080	3,639,476	134,465	0.00443	277,576	
1.0	0.0	0.5	5,030	4,360	3,639,476	142,508	0.0047	306,620	
6.0	0.0	1.0	3,810	3,780	3,750,000	118,689	0.0038	292,077	
5.0	8.0	0.0	5,490	5,750	3,830,906	179,558	0.00562	344,690	
2.0	5.0	0.5	6,830	6,330	3,746,048	205,573	0.00658	404,122	
12.0	5.0	1.0	6,890	5,350	3,945,382	201,375	0.00612	391,957	

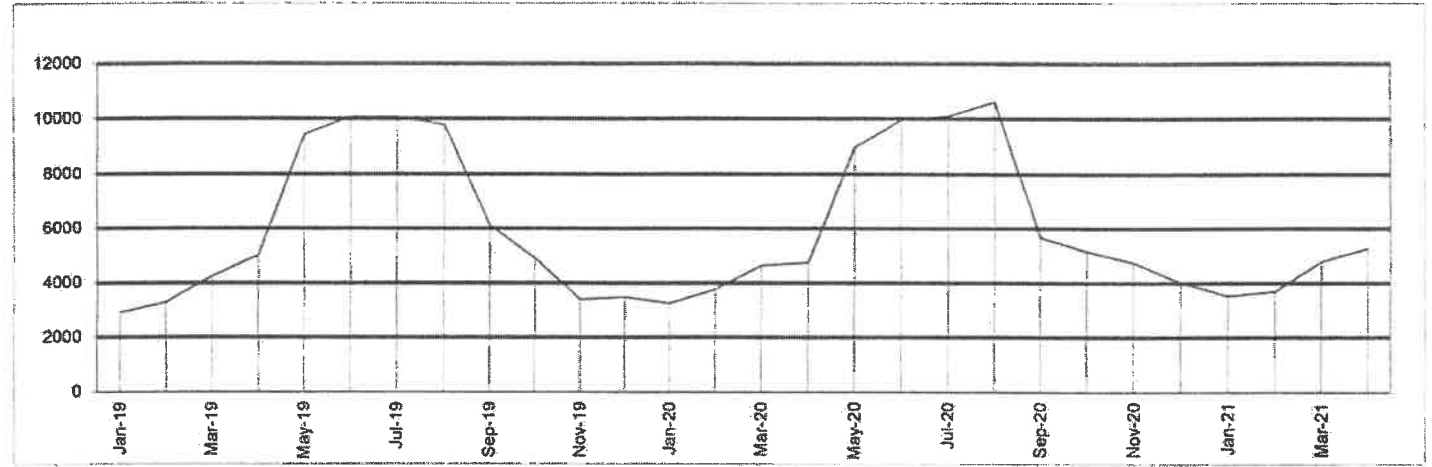
Accepted Septage	
Loads	Gallons
19	46,500
31	79,500
9	21,500
23	61,500
12	26,500
19	47,500
36	84,000
29	72,500
22	55,000
40	87,000
15	36,000
14	32,000
16	34,100
23	57,000
25	64,500
39	107,000
35	83,000
6	18,000
88	208,000
67	158,000
45	104,500
16	32,000
16	36,000
33	69,000
83	205,500
28	69,500
32	70,000
22	52,000



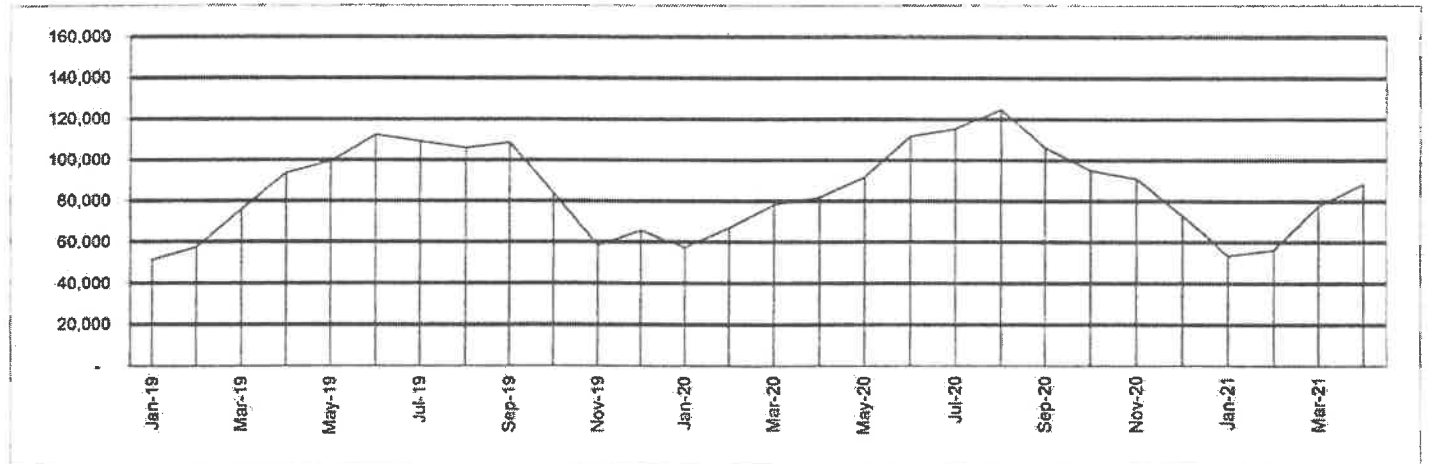
Electric Cost Kilowatts Used

Jan-19	2926	51,490
Feb-19	3295	57,450
Mar-19	4251	75,830
Apr-19	5014	93,570
May-19	9452	99,330
Jun-19	10074	112,400
Jul-19	10066	109,190
Aug-19	9784	106,020
Sep-19	6115	108,680
Oct-19	4920	83,790
Nov-19	3390	58,410
Dec-19	3482	65,660
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

Electric Cost



Kilowatts Used





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

Discharge Monitoring Report For Municipal Wastewater Treatment Plants

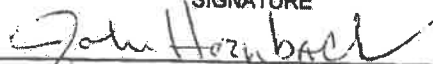
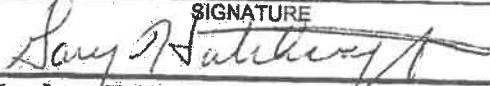
NAME OF FACILITY						LOCATION ADDRESS & CITY						COUNTY/REGION			
Lake of the Ozarks Regional WWTP #1						#3 Anderson Road						Miller/SWRO			
MONTH/YEAR		PERMIT NUMBER				OUTFALL NUMBER		TYPE TREATMENT FACILITY							
Apr-21		MO-0103241				#001		Oxidation Ditch/UV/Sludge Holding-sludge is land applied							
INFLUENT						EFFLUENT						% Removal			
DATE	pH UNITS	BOD mg/L	TSS mg/L	TEMP °C	FLOW MGD	pH UNITS	BOD mg/L	TSS mg/L	Ammonia as N mg/l	DO mg/L	E. coli COLFRM #/100 ML	TEMP °C	BOD mg/L	TSS mg/L	
1	7.0			13.2	1.430	7.4			0.05	6.5	< 20	12.4			
2	7.0	235	200	12.7	1.574	7.4	3.1	2.5		6.5		12.1	98.7	98.8	
3	6.9			12.4	1.610	7.4				6.8		11.9			
4	7.0			13.3	1.651	7.3				5.8		12.4			
5	6.9			15.5	1.406	7.3				6.0	< 20	14.7			
6	7.1			16.0	1.423	7.4			0.19	6.0		15.8			
7	6.8			16.0	1.409	7.4				5.3		16.3			
8	7.1			14.8	1.718	7.5				5.2		15.4			
9	7.0	275	254	16.1	1.637	7.4	3.8	3.6		5.5		15.7	98.6	98.6	
10	6.9			15.6	2.328	7.2				4.8		15.4			
11	7.2			16.4	2.772	7.8				4.7		15.7			
12	7.0			15.5	1.848	7.7				5.4		15.4			
13	6.9			15.1	1.433	7.3			0.2	6.5	< 20	15.4			
14	7.0			14.3	1.428	7.4				6.5		14.9			
15	7.0			14.3	1.405	7.3				6.3		14.2			
16	6.9	198	186	14.7	1.443	7.4	1.8	1.9		6.7		14.7	99.1	99.0	
17	6.8			14.7	1.617	7.2				5.9		14.2			
18	6.8			14.9	1.697	7.3				6.3		14.1			
19	7.0			15.5	1.534	7.4				5.9	< 20	15.4			
20	7.0			13.8	1.406	7.4				5.8		13.7			
21	7.0			15.1	1.583	7.3				6.2		12.9			
22	7.0	263	296	14.2	1.562	7.3	3.1	2.7	0.02	6.2		12.9	98.8	99.1	
23	7.2			15.3	1.548	7.7				5.1		14.0			
24	6.9			15.9	2.275	7.7				5.1		14.7			
25	7.0			16.1	2.158	7.8				5.3		15.4			
26	7.0			16.8	1.715	7.4				5.5		16.5			
27	7.1			16.5	1.589	7.5			0.35	5.8	<20	17.1			
28	7.1			18.1	1.583	7.9				5.6		18.7			
29	7.2			17.5	1.673	7.6				5.1		18.4			
30	7.0	215	346	17.9	1.794	7.8	3.7	2.7		5.3		18.0	98.3	99.2	
Total					50.249										
Avg		237	256	15.3	1.675		3.1	2.7	0.16	5.8	< 20	14.9	98.7	98.9	
Min	6.8	198	186	12.4	1.405	7.2	1.8	1.9	0.02	4.7	< 20	11.9	98.3	98.6	
Max	7.2	275	346	18.1	2.772	7.9	3.8	3.6	0.35	6.8	< 20	18.7	99.1	99.2	

MONTHLY MONITORING					QUARTERLY MONITORING					
DATE	Oil & Grease mg/L	Selenium µg/L	SM1 Hardness mg/L	SM2 Hardness mg/L	Phosphorus mg/L	SM1 Phosphorus mg/L	T. Nitrogen mg/L	SM1 T. Nitrogen mg/L	TR. Cadmium ug/L	TR. Copper µg/L
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14	< 4.9	1.2	199	262	0.94	< 0.10	11.5	0.95	< 5.0	< 10.0
15										
16										
17										
18										
19										
20										
21										
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29										
30										
Total	< 4.9	1.2	199	262	0.94	< 0.10	11.5	0.95	< 5.0	< 10.0
Avg	< 4.9	1.2	199	262	0.94	< 0.10	11.5	0.95	< 5.0	< 10.0
Min	< 4.9	1.2	199	262	0.94	< 0.10	11.5	0.95	< 5.0	< 10.0
Max	< 4.9	1.2	199	262	0.94	< 0.10	11.5	0.95	< 5.0	< 10.0

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

OPERATIONAL CONTROLSLABORATORY 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				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	6,172	1.6	6,660	890	12.0	1.6	6,700	880	12.3	31	0	7:30
2	3,703	2.3	6,480	890	11.7	2.1	6,520	900	11.7	34	0	7:30
3		3.2	6,520	890	11.8	3.3	6,550	890	11.9	40	0	7:30
4		3.2	5,960	800	13.0	2.6	6,120	800	13.0	46	0	7:30
5		1.2	6,530	860	15.0	1.6	6,360	860	15.0	56	0	7:30
6	7,036	1.3	5,950	840	16.1	1.3	6,660	860	15.9	60	0	7:30
7		1.1	6,880	840	16.4	1.2	6,640	840	16.3	66	0.1	7:30
8		1.1	7,180	890	15.7	1.1	6,000	830	15.5	49	0.7	7:30
9		2.1	7,240	900	15.8	3.5	5,760	780	15.7	45	0.25	7:30
10		1.0	6,090	850	15.7	1.2	5,690	780	15.7	52	1.1	7:30
11		1.3	4,800	650	15.8	1.4	4,830	750	15.9	47	0.5	7:30
12		1.6	5,030	660	15.7	3.1	5,210	770	15.8	51	0	7:30
13	4,690	3.5	6,320	880	14.9	4.0	6,140	820	14.8	54	0	7:30
14	6,017	3.6	6,550	870	14.6	4.7	5,390	820	14.7	48	0	7:30
15	5,709	2.2	6,440	900	14.3	3.3	5,530	840	14.1	43	0	7:30
16	3,240	2.0	6,680	880	14.7	3.2	6,030	850	14.6	50	0	7:30
17		1.5	6,410	870	14.2	2.4	6,260	850	14.4	47	0.2	7:30
18		2.4	6,130	850	14.2	3.0	5,250	790	14.2	48	0	7:30
19		2.2	5,830	840	14.3	1.4	6,550	880	14.3	42	0	7:30
20		1.2	6,130	850	13.4	1.6	5,950	860	13.6	42	0	7:30
21		1.3	7,910	840	13.0	2.7	5,090	840	13.2	35	0.5	7:30
22	6,665	2.0	6,750	870	12.6	2.3	5,960	860	12.6	34	0	7:30
23		1.1	7,000	880	14.0	2.4	6,360	850	14.3	48	0	7:30
24		1.5	5,590	810	14.9	1.4	5,090	760	15.2	55	1.25	7:30
25		1.6	6,470	890	15.6	1.5	6,030	850	15.6	48	0.1	7:30
26		1.6	5,940	810	16.6	1.8	5,470	720	16.5	61	0	7:30
27	2,037	1.3	6,220	800	17.4	1.5	6,220	810	17.2	64	0	7:30
28		1.4	7,360	890	18.6	1.4	6,130	850	18.6	66	0	7:30
29		0.8	7,110	890	18.2	1.0	5,900	840	18.3	64	0.5	7:30
30		1.1	6,890	860	17.9	1.2	5,350	770	18.1	51	0	7:30
COMMENTS:												

COMMENTS:

TESTS PERFORMED BY (PRINT)	SIGNATURE	PHONE #	DATE
John Hornback		(573)365-0455	5/5/2021
REPORT APPROVED BY (PRINT)	SIGNATURE	PHONE #	DATE
Gary Hutchcraft		(573)365-0455	5/5/2021

*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	001A
Monitoring Period	
4/1/21	4/30/21
NODI:	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements			Unit
BOD, 5-day, 20 deg. C	*****	3.8	3.1	mg/L	*****	*****	*****	*****
Mon. Location.: End of Pipe	*****:*****	Weekly Avg.:45	Monthly Avg.:30		*****:*****	*****:*****		
Sample Type: 24 Hour Composite								
Frequency: Weekly								
Flow, in conduit or thru treatment plant	*****	*****	*****	*****	2.772	1.675		Mgal/d
Mon. Location.: End of Pipe	*****:*****	*****:*****	*****:*****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required		
Sample Type: Total Measured								
Frequency: Daily								
pH	7.2	*****	7.9	SU	*****	*****	*****	*****
Mon. Location.: End of Pipe	Minimum:6.5	*****:*****	Maximum:9.0		*****:*****	*****:*****		
Sample Type: Grab								
Frequency: Weekly								
Total Suspended Solids (TSS)	*****	3.6	2.7	mg/L	*****	*****	*****	*****
Mon. Location.: End of Pipe	*****:*****	Weekly Avg.:45	Monthly Avg.:30		*****:*****	*****:*****		
Sample Type: 24 Hour Composite								
Frequency: Weekly								
Nitrogen, ammonia total (as N)	0.35	*****	0.16	mg/L	*****	*****	*****	*****
Mon. Location.: End of Pipe	Daily Max.:6.0	*****:*****	Monthly Avg.:1.1		*****:*****	*****:*****		
Sample Type: Grab								
Frequency: Weekly								
Oil and grease (soxhlet extr.) tot.	<4.9	*****	<4.9	mg/L	*****	*****	*****	*****
Mon. Location.: End of Pipe	Daily Max.:15	*****:*****	Monthly Avg.:10		*****:*****	*****:*****		
Sample Type: Grab								
Frequency: Monthly								
Escherichia coli (E. coli)	*****	<20	<20	#/100mL	*****	*****	*****	*****
Mon. Location.: End of Pipe	*****:*****	7 Day Geo.:630	30 Day Geo. Mean:126		*****:*****	*****:*****		
Sample Type: Grab								
Frequency: Weekly								
Selenium (Se), total recoverable	1.2	*****	1.2	ug/L	*****	*****	*****	*****
Mon. Location.: End of Pipe	Daily Max.:9.1	*****:*****	Monthly Avg.:3.6		*****:*****	*****:*****		
Sample Type: Grab								
Frequency: Monthly								

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

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

BOD, 5-day, percent removal	****	****	98.3	%	****	****	****
Mon. Location.: End of Pipe	****,****	****,****	Monthly Avg. Min.:85		****,****	****,****	
Sample Type: Calculated							
Frequency: Monthly							
Suspended Solids, percent removal	****	****	98.6	%	****	****	****
Mon. Location.: End of Pipe	****,****	****,****	Monthly Avg. Min.:85		****,****	****,****	
Sample Type: Calculated							
Frequency: Monthly							

Comments:

Lake of the Ozarks Regional
WWTP 1
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LAKE OZARK, MO, Miller

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

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

Permit Number	Outfall Number
MO0103241	SM2A
Monitoring Period	
4/1/21	4/30/21
NOD1:	*****

Parameters	Reporting Requirements		Unit	Reporting Requirements		Unit
Hardness, total (as CaCO ₃)	262	*****	262	mg/L	*****	*****
Mon. Location.: Instream Monitoring	Daily Max.:Monitoring Required	*****;*****	Monthly Avg.:Monitoring Required	*****;*****	*****;*****	*****
Sample Type: Grab						
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 May 5, 2021	User Phone Number (573)365-0455
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Lake of the Ozarks Regional
WWTP 1
#3 Anderson Road
LAKE OZARK, MO, Miller

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

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

Permit Number	Outfall Number
MO0103241	001B
Monitoring Period	
4/1/21	6/30/21
NODI:	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements			Unit
Nitrogen, total (as N)	11.5	*****	11.5	mg/L	*****	*****	*****	*****
Mon. Location.: End of Pipe	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:Monitoring Required		*****:*****	*****:*****		
Sample Type: Grab								
Frequency: Quarterly								
Phosphorus, total (as P)	0.94	*****	0.94	mg/L	*****	*****	*****	*****
Mon. Location.: End of Pipe	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:Monitoring Required		*****:*****	*****:*****		
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: Grab								
Frequency: Quarterly								
Copper, total recoverable	<10.0	*****	<10.0	ug/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

Permit Number	Outfall Number
MO0103241	SM1A
Monitoring Period	
4/1/21	6/30/21
NOD1:	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
Phosphorus, total (as P)	<0.10	*****	<0.10	mg/L	*****	*****	*****
Mon. Location.: Instream Monitoring	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:Monitoring Required		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Quarterly							
Nitrogen, total (as N)	0.95	*****	0.95	mg/L	*****	*****	*****
Mon. Location.: Instream Monitoring	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)

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Jefferson City, MO, 65102

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eSignature Gary Hutchcraft	Submission Date May 5, 2021	User Phone Number (573)365-0455
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10 APR 1961 1021

Date: 5/6/2021