

**OSAGE BEACH / LAKE OZARK
JOINT SEWER BOARD MEETING
AGENDA
MARCH 17, 2020 @ 4:00 p.m.
LAKE OZARK CITY HALL**

1. CALL TO ORDER

2. ROLL CALL

Mayor, Osage Beach, John Olivarri
Mayor, Lake Ozark, Gerry Murawski
City Administrator, Osage Beach, Jeana Woods
City Administrator, Lake Ozark, Dave Van Dee
Alderman, Osage Beach, Greg Massey
Alderman, Lake Ozark, Judy Neels
Public Works Director, Lake Ozark, Matt Michalik
Resident Member, Mr. Gary Hamner

3. MINUTES

Page Numbers

Regular Meeting: February 18, 2020

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4. REPORTS

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Revenue Budget Analysis	15
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February Alliance Report of Operations	21-36
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Approval of Flow Charts February 2020

5. OLD BUSINESS

A. Board Representative update

6. NEW BUSINESS

7. ADDITIONAL DISCUSSION ITEMS

8. ADJOURNMENT

THE NEXT MEETING WILL BE APRIL 21, 2020 4:00 PM @ LAKE OZARK CITY HALL

**LAKE OZARK-OSAGE BEACH
JOINT SEWER BOARD**
Meeting Minutes – February 18, 2020

CALL TO ORDER:

Mayor John Olivarri called the meeting to order at 4:00 pm on Tuesday, February 18, 2020 at Lake Ozark City Hall

ROLL CALL:

Mayor, Osage Beach, John Olivarri- Present
Mayor, Lake Ozark, Gerry Murawski - Present
City Administrator Osage Beach, Jeana Woods - Absent
City Administrator Lake Ozark, Dave Van Dee – Present
Alderman Osage Beach, Greg Massey - Absent
Alderman Lake Ozark, Judy Neels- Present
Public Works Director Lake Ozark, Matt Michalik – Present
Resident Member, Mr. Gary Hamner - Absent

MINUTES:

Alderman Neels motioned to approve the meeting minutes of January 21, 2020 her motion was seconded by City Administrator Van Dee, and passed unanimously.

REPORTS:

The January Bill list and Revenue Budget, Expenditure Budget Analysis, Income & Expense Summary and Check Registers and Bank Statements were reviewed. A Motion was made by Public Work's Director Michalik to approve the documents and pay the bills. His motion was seconded by City Administrator Van Dee, and was passed unanimously.

Alliance Report of Operations: The average daily incoming flow for January was 1.374 mgd. We had 7.7 inches of precipitation measured at the WWTP.

Operationally, the plant's discharge was excellent, with an effluent monthly average BOD of 1.9 mg/l and TSS of 1.8 mg/l respectively for January, which represents a 99.1% or better removal.

The MLSS average for both aeration basins was 3,879 mg/l. The total dry weight sludge inventory for January totaled 282,382 pounds. There were 16 tanker loads or 35,000 gallons of septage received for the month.

APPROVAL OF FLOW CHART

Motion was made by Public Works Director Michalik to approve the Flow Chart for January. His motion was seconded by Mayor Murawski. Unanimous approval, motion passed.

OLD BUSINESS:

- A. Public Works Director Michalik there is no updates at this time

NEW BUSINESS:

- A. Per Gary Hutchcraft John Foster came in with the lowest bid of \$2,767.20 for the replacement of 4 Parker Air Cylinders. Vandevanter Engineering came in with a bid of \$7,811, Xylem came in with a bid of \$7,420, and USA Bluebook came in with a bid of \$5,263.80. A motion to go with John Henry Foster was made by Public Works Director Michalik, his motion was seconded by Alderman Neels. Unanimous approval, motion passed.
- B. Per Gary Hutchcraft Clark Tire came in with the lowest bid of \$4,987.64 for the purchase and replacement of the Sludge Truck tires. Purcell Tire came in with a bid of \$5,159.49 and McKnight tire came in with a bid of \$5,055.94. A motion to go with Clark tire was made by Public Works Director Michalik, his motion was seconded by City Administrator Van Dee. Unanimous approval, motion passed.

ADDITIONAL DISCUSSION ITEMS:

ADJOURNMENT:

With no further business to discuss the meeting adjourned at 4:07 pm.

Approved on:

Mayor, John Olivarri

City Collector, Trisha Kane

JOINT SEWER BOARD
BILL LIST
MARCH 17, 2020

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:	\$	-
OPERATING FUND BILLS TO BE PAID:	\$	64,041.98
EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:	\$	-
EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:	\$	-
TOTAL	\$	64,041.98

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:

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

OPERATING FUND BILLS TO BE PAID:

Account	Check	Paid To:	Description:	Amount:
4000	226	Equipment Replacement Fund	Payment into ER Fund	\$ 5,967.00
4020	227	AllMax Software, Inc.	4/2020 thru 3/2021	\$ 420.00
4020	228	Consolidated Elec. Distributors	Overload Relay	\$ 60.26
4020	229	Jani King	March	\$ 195.00
4020	230	John Henry Foster	Cylinder 760MM Stroke	\$ 2,822.24
4020	231	Menards	Steel Cable for Decant Tubes	\$ 14.21
4020	231	Menards	Grease Guns & Hose Coupler	\$ 50.66
4020	231	Menards	Bleach	\$ 59.88
4020	231	Menards	Flourescent Bulbs	\$ 125.82
4140	232	Naught-Naught Insurance	Property, Liability, Auto	\$ 18,989.00
4140	232	Naught-Naught Insurance	Directors & Officer Liability	\$ 781.00
4150	233	Clark Tire Co.	Tires - 6	\$ 4,987.64
4150	234	O'Reilly Auto	Battery for 6" Trash Pump	\$ 111.46
4170	235	Alliance Water Resources, Inc.	March	\$ 25,465.00
4175	236	Ameren MO	11673321	\$ 3,625.08
4175	236	Ameren MO	98041275	\$ 134.43
4176	237	AT&T	March	\$ 79.48
4176	238	Republic	March	\$ 153.82
				\$ -
			TOTAL	\$ 64,041.98

EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:

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

EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:

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



John Henry Foster

pneumatic and hydraulic equipment

www.jhf.com

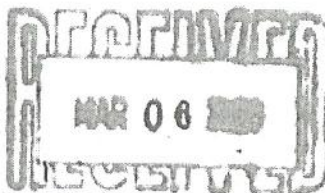
REMIT TO: P.O. BOX 419161
Creve Coeur, MO 63141-9161

Ph (314) 427-0800
Fax (314) 427-3502

Invoice #	INV-00359033
Page	1 of 1
Invoice Date	03/02/2020

SOLD TO

Account #: C016283
Joint Sewer Board
c/o Alliance Water Resources
P.O. Box 1985
Lake Ozark, MO 65049



DIRECT SHIPMENT

SHIP TO

C000462
Alliance Water Resources
#3 Anderson Road
P.O. Box #1985
Lake Ozark, MO 65049

Customer PO Number	Ship Date	Salesperson	Packing Slip #	Terms	Order Date
GARY HUTCHCRAFT EMAIL 2/21	03/02/2020	John Henry Foster	PS-00664876	Net 20 Days	02/21/2020
JHF Order #	Order Entered By	Placed By	Ship Via / Secondary Ship Via		
SO-00302331	Carla Ficke	Gary Hutchcraft	UPSG	Bestway	

Part Number / Description	Ordered	Shipped	Backordered	Price Each	Extension
P41000000000-00760 PARKER ORIGA CYLINDER760MM STROKE	4	4	0	691.80	2,767.20

GL Acct#: 4020
Signature: Gary Hutchcraft
Date: 3/6/20

Review and place orders at www.jhf.com !	Subtotal	Charges	Freight	Sales Tax	TOTAL
Subject to Terms and Conditions at http://www.jhf.com/terms_of_purchase.htm	2,767.20	0.00	55.04	0.00	2,822.24

Naught Naught Insurance Agency

1441 Christy Drive

Jefferson City, MO 65101

Phone: (800) 392-0423 Fax: (866) 779-8102

	Page 1 of 1
Account Number	Date
LAKEOZA-01	3/10/2020
Balance Due on	
04/10/2020	
Amount Paid	
\$18,989	

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

Trans Eff Date	Due Date	Description	Amount
04/10/20	04/10/20	4/10/20 Package/Auto Renewal	\$18,989
Total Invoice Balance:			

Please make your check payable to Naught-Naught Agency and remit to our Eldon Office address of:

Naught-Naught Agency
PO Box 32
Eldon, MO 65026

Thank you for your continued business.

Trisha



**Naught-Naught
Agency**

1441 Christy Drive
Jefferson City, MO 65101

Phone: (800) 392-0423

Fax: (866) 779-8102

Invoice #	36839	Page	1 of 1
Account Number	Date		
LAKEOZA-01	3/10/2020		
BALANCE DUE ON			
4/10/2020			
AMOUNT PAID	Amount Due		
	\$781.00		

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

Directors & Officers Liability

Policy Number: EMN 0483573

Effective: 4/10/2019 to 4/10/2022

Item #	Trans Eff Dat	Due Date	Trans	Description	Amount
493261	4/10/2020	4/10/2020	RENB	2nd Annual Installment - Directors & Officers Liability	\$781.00

Total Invoice Balance: \$781.00

Clark Tire Company - (SUNR)

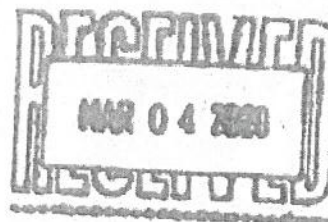
13893 N. Hwy 5, Sunrise Beach, MO 65078

Phone: 573-374-8854

www.clarktireco.com

Family owned since 1949.

Invoice #118673



Customer Information	Invoice	Additional Information
JOINT SEWER BOARD PO BOX 1985 LAKE OZARK, MO 65049	Date: 2/26/2020 Reference: 118673 Salesperson: Joel (SUNR) Clark	PO Number: Work Order#: W-4773108
Acct Number:	Route:	Comment:
P: 573-216-8398 Contact:	Delivery Date: 2/26/2020	Comment:
		Entered By: James (SUNR) Emery

Qty	Description	Unit Price	Ext. Price
4.00	756514422, 425/65225, GOODYEAR 278MSA L (20 Ply), GOODYEAR	818.93	3,275.72
2.00	756160365, 425/65225, GOODYEAR G296 MSA L (20 Ply), GOODYEAR	692.61	1,385.22
6.00	MOUNT TIRES	35.00	210.00
6.00	VALVE STEMS	4.95	29.70
1.00	SERVICE CALL	45.00	45.00

Non-Tax (Non-Profit)

Terms: NET 30 Days

Subtotal:	4,945.64
Tire Disposal:	42.00
Total:	\$4,987.64
Invoice Balance:	\$4,987.64

Terms:	Due Date	Due Amount	Amt Remains
	3/27/2020	\$4,987.64	\$4,987.64

Acct Balance	Current	0-29 Days	30-59 Days	60-89 Days	90+ Days
\$4,987.64	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

GL Acct#: 4150

Signature: *James (SUNR) Emery*

Date: 3/4/20

"Thank you for your business."

Invoices are due and payable within 30 days (NET 30). Clark Tire reserves the right to require full or partial prepayment on accounts. Interest Service Charges will be applied to past due amounts at the rate of 2.0% per month (24% per annum). Payments on account will be applied first to Interest Service Charges, then the remainder to principal. A \$25 fee will be billed for any payment returned for insufficient funds (NSF). Checks to be "held" will not be accepted. The undersigned agrees to pay in addition to the amount due, all costs of collection, court costs and reasonable attorney fees in the event it becomes necessary to pursue collection of this debt.



- 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

Current Detail for Statement 03/11/2020

Total Electric Charges \$3,625.08
Total Amount Due \$3,625.08

AMOUNT DUE \$3,625.08

Due Date 04/01/2020

Amount After Due Date \$3,679.48

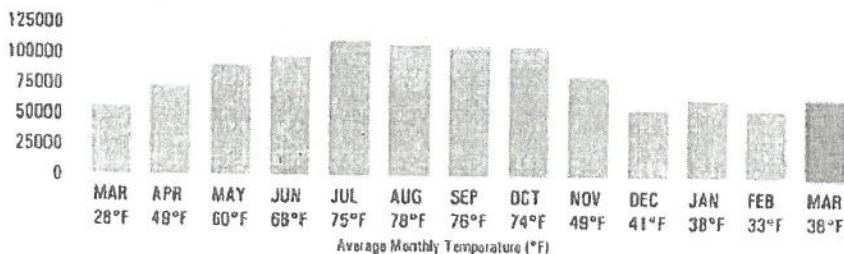
Previous Statement \$3,187.09

Total Payments \$3,187.09

Payment Received. Thank You.

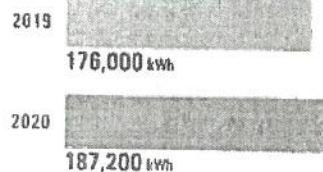
Electric Usage History

Electric Usage in Kilowatt Hours (kWh)



Electric Usage Summary (kWh)

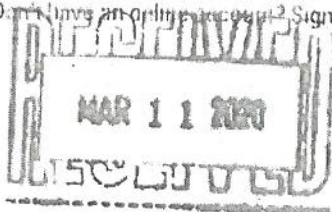
So far this year, you're using 6.4% more than last year.



Usage from Jan-Mar for 2019 & 2020

Keeping You Informed.

Update your account information so we can contact you when crews are working in your neighborhood. Fill out the slip and mail it in or update your online account. Don't have an online account? Sign up today at AmerenMissouri.com.



GL Acct#: 4175

Signature: *[Signature]*

Date: 3/11/20



See next page for service details.

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Page 1 of 4

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

Amount Due	Due Date
\$3,625.08	April 01, 2020
Delinquent Amount After Due Date	Account Number
\$3,679.48	4580005832
Amount Enclosed \$	

AMEREN MISSOURI
PO BOX 88068
CHICAGO IL 60680-1068

00600000 0045800058302 000003625080 000003625080



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FOCUSED ENERGY. For life.

Electric Service Details Service from 02/06/2020 - 03/09/2020 (32 days)

Electric Meter Read

METER NUMBER	SERVICE FROM - TO	NO. DAYS	USAGE TYPE	READING TYPE	CURRENT READING	PREVIOUS READING	READING DIFFERENCE	MULTIPLIER	USAGE
11673321	02/06 - 03/09	32	Total kWh	Actual	58160.0000	57751.0000	409.0000	160.0000	65440.0000
11673321	02/06 - 03/09	32	Peak kW	Actual	0.7920	0.0000	0.7920	160.0000	126.7200

Usage Summary

Total kWh	65440.0000	Peak kW	126.7000
Total Billing Demand	126.7000	October Winter Base kW	216.5000
Winter Base Demand	126.7000	Base kWh Ratio	1.0000
Base kWh (HUD)	65440.0000	Seasonal kWh (HUD)	0.0000

Rate 3M Large General Service

DESCRIPTION	USAGE	UNIT		RATE	CHARGE
Seasonal Energy Charge	0.00	kWh	@	\$ 0.03890000	\$0.00
Demand Charge	126.70	kW	@	\$ 2.00000000	\$253.40
Base Energy Charge / Hours Used	19,005.00	kWh	@	\$ 0.06650000	\$1,263.83
Base Energy Charge / Hours Used	25,340.00	kWh	@	\$ 0.04940000	\$1,251.80
Base Energy Charge / Hours Used	21,095.00	kWh	@	\$ 0.03890000	\$820.60
Customer Charge					\$95.07
Fuel Adjustment Charge	65,440.00	kWh	@	\$ 0.00077000	\$50.39
Energy Efficiency Program Charge	65,440.00	kWh	@	\$ 0.00020000	\$13.09
Energy Efficiency Investment Charge	65,440.00	kWh	@	\$ 0.00383900	\$251.22
Renewable Energy Adjustment	65,440.00	kWh	@	\$ 0.00044000	\$28.79
Federal Tax Rate Reduction	65,440.00	kWh	@	\$ 0.00462000	\$302.33
Total Service Amount					\$3,625.08
Total Electric Charges					\$3,625.08

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

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Address Changes or Corrections

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

AmerenMissouri.com/WaysToPay

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



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- Pay online or manage your account: AmerenMissouri.com
- Customer Service: 1.877.426.3736

FOCUSED ENERGY. For Life.

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

Current Detail for Statement 03/11/2020

Total Electric Charges \$134.43

Total Amount Due \$134.43

AMOUNT DUE \$134.43

Due Date 04/01/2020

Amount After Due Date \$136.45

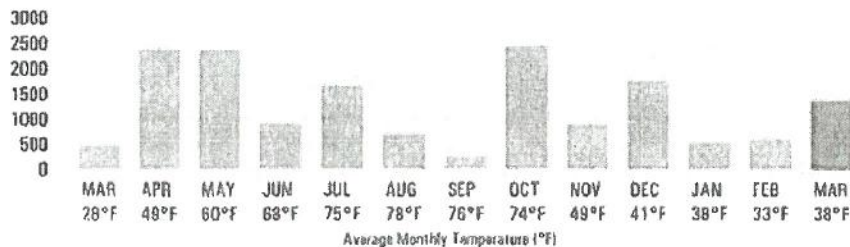
Previous Statement \$71.64

Total Payments \$71.64

Payment Received. Thank You.

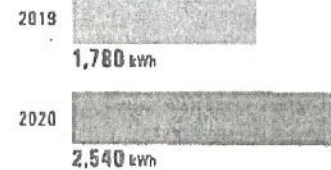
Electric Usage History

Electric Usage in Kilowatt Hours (kWh)



Electric Usage Summary (kWh)

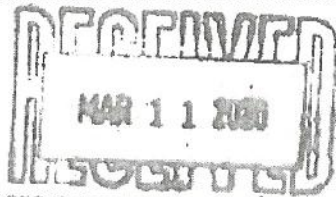
So far this year, you're using **42.7% more** than last year.



Usage from Jan-Mar for 2019 & 2020

Keeping You Informed.

Update your account information so we can contact you when crews are working in your neighborhood. Fill out the slip and mail it in or update your online account. Don't have an online account? Sign up today at AmerenMissouri.com.



GL Acct#: 4175
Signature: [Signature]
Date: 3/11/20



» See next page for service details.

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Page 1 of 4

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

Amount Due	Due Date
\$134.43	April 01, 2020
Delinquent Amount After Due Date	Account Number
\$136.45	5580005920

Amount Enclosed \$

AMEREN MISSOURI
PO BOX 88068
CHICAGO IL 60680-1068

70633000.0055800059200 000000134430 000000134430



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- Pay online or manage your account: AmerenMissouri.com
- Customer Service: 1.877.426.3736

FOCUSED ENERGY. For life.

Electric Service Details

Service from 02/06/2020 - 03/09/2020 (32 days)

Electric Meter Read

METER NUMBER	SERVICE FROM - TO	NO. DAYS	USAGE TYPE	READING TYPE	CURRENT READING	PREVIOUS READING	READING DIFFERENCE	MULTIPLIER	USAGE
98041275	02/08 - 03/09	32	Total kWh	Actual	19855.0000	19716.0000	139.0000	10.0000	1390.0000
98041276	02/08 - 03/09	32	Peak kW	Actual	4.4000	0.0000	4.4000	10.0000	44.0000

Usage Summary

Total kWh	1390.0000	Winter Base kWh	1680.0000
Current Base kWh	1390.0000	Seasonal kWh	0.0000

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

Threshold - Peak Demand

DESCRIPTION	USAGE	UNIT	RATE	CHARGE
Base Energy Charge	1,390.00	kWh	@ \$ 0.08360000	\$116.20
Seasonal Energy Charge	0.00	kWh	@ \$ 0.04820000	\$0.00
Customer Charge				\$21.43
Fuel Adjustment Charge	1,390.00	kWh	@ \$ 0.00077000	\$1.07
Energy Efficiency Program Charge	1,390.00	kWh	@ \$ 0.00010000	\$0.14
Energy Efficiency Investment Charge	1,390.00	kWh	@ \$ 0.00374300	\$5.20
Renewable Energy Adjustment	1,390.00	kWh	@ \$ 0.00044000	\$0.61
Federal Tax Rate Reduction	1,390.00	kWh	@ \$-0.00581000	\$-8.08
Total Service Amount				\$134.43
Total Electric Charges				\$134.43

Payments Since Previous Statement

DATE RECEIVED	AMOUNT
February 26, 2020	\$71.64

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

Page 2 of 4

Address Changes or Corrections

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

AmerenMissouri.com/WaysToPay

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

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

		2/29/2020					Percent YTD
Account Number	Account Name	2018 Actual	2019 Actual	2020 Budget	2020 Actual as of 2/29/2020	2020 February Revenue	
3020	Osage Beach	480,784.67	475,091.53	473,000.00	80,253.83	40,196.80	17%
3010	Lake Ozark	69,215.30	74,908.46	77,000.00	11,412.84	5,636.53	15%
3030	Misc.	1,485.00	0.00	0.00	0.00	0.00	
3100	Interest	1,484.82	4,286.79	1,400.00	200.53	7.16	14%
3060	Waste Haulers' Fee	25,780.00	26,260.00	29,000.00	4,080.00	2,320.00	14%
Total Operating Fund		578,749.79	580,546.78	580,400.00	95,947.20	48,160.49	17%
E/R Fund Income		4,281.74	9,001.77	4,000.00	191.13	86.78	5%
TOTAL INCOME		583,031.53	589,548.55	584,400.00	96,138.33	48,247.27	16%

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MONTH-TO-DATE AND YEAR-TO-DATE
EXPENDITURE/BUDGET ANALYSIS
2/29/2020

Account Number	Account Name	2018 Actual	2019 Actual	2020 Budget	2020 Actual as of 2/29/2020	2020 February Expenses	Percent YTD
4000	Equipment Replace Fund	41,604.17	41,604.00	71,606.00	11,934.00	5,987.00	17%
4020	*Maintenance & Repair	9,713.86	104,062.97	88,000.00	5,432.32	1,353.64	6%
4140	Insurance	18,475.25	18,761.00	19,200.00	0.00	0.00	0%
4150	Vehicle Repair/Maint	3,887.47	5,479.60	10,000.00	1,213.32	0.00	12%
4160	Haulers Fees to Contractor	8,000.00	0.00	0.00	0.00	0.00	0%
4170	Contract Management	319,010.64	299,592.00	308,580.00	50,930.00	25,465.00	17%
4175	Electric	79,533.37	73,276.87	75,000.00	8,740.67	3,258.73	9%
4176	Utilities Misc.	0.00	3,717.52	3,100.00	1,025.97	779.49	33%
4190	Bank Charges	24.00	176.00	75.00	12.00	7.00	0%
4200	Audit	2,300.00	2,400.00	2,500.00	0.00	0.00	0%
4240	Capital Purchases	0.00	145,247.00	0.00	0.00	0.00	0%
Totals		482,548.76	694,316.96	678,061.00	77,288.28	36,830.86	13%
**E/R Expenses		42,782.61	41,280.51	83,500.00	38,600.00	37,670.00	48%
TOTAL EXPENSES		525,331.37	735,597.47	661,561.00	115,888.28	74,500.86	18%

<u>*Maintenance & Repair</u>		2020	<u>**Equipment & Replacement</u>		2020	2019
Auto Dialer Yrly Software Fee		500.00	Pista Grit Suction tube		5,500.00	
			RAS motor control ctr/elec panel			37,670.00
Regular Maintenance		11,000.00	Replace lift station pump		8,000.00	
UV Spare Parts		10,000.00	Impeller & volute wear ring for Flygt pump		3,000.00	
Road and parking lot main		2,000.00	Ducking skimmer arm mechanism		12,000.00	
Chainlink fence repair		4,000.00	Replace winch for pulling lift station pumps & skim		3,000.00	
Box of BOD bottles		500.00	Rebuild Ducking skimmer arm & arm supports		5,000.00	
Sandblast & paint clarifier #2	FALL 2020	60,000.00	Replace wooden doors w/fiberglass		2,000.00	
			Repair/replace roof on headworks & other bldg		45,000.00	
		<u>88,000.00</u>			<u>83,600.00</u>	

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OPERATING FUND INCOME AND EXPENSE SUMMARY
2/29/2020

Beginning Balance	267,881.73
Income - Osage Beach	40,196.80
Income - Lake Ozark	5,636.53
Income - Other	-
Income - Waste Haulers' Fees	2,320.00
Interest - Checking	7.16
Income - CD Interest	-
Transfers From E/R Fund	-
Transfers to E/R Fund	(5,967.00)
Expenses	(30,863.86)
Ending Fund Balance	279,211.36
Central Bank - NOW Acct.	65,403.68
CD First Bank of the Lake, 2/20/21 #101318432	103,807.68
CD First Bank of the Lake, 4/22/21 #101318432	110,000.00
Outstanding Checks:	-
	279,211.36

EQUIPMENT REPLACEMENT FUND INCOME AND EXPENSE SUMMARY
2/29/2020

Beginning Balance	542,262.49
Interest - Checking	86.78
Income - CD Interest	-
Transfers to E/R Fund	5,967.00
Income - Miscellaneous	-
Expenses	(37,670.00)
Ending Fund Balance	510,646.27
First Bank of the Lake - Money Mkt.	95,004.22
CD Providence Bank, 8/20 #1268880	207,553.78
CD First Bank of the Lake, 2/20/21 #101318431	101,942.14
CD First Bank of the Lake, 04/20 #101318430	106,146.13
Outstanding Checks:	-
	510,646.27

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**OUR
MISSION**

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

**Alliance Water
Resources,
Inc.**

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

(573)874-8080

WATER RESOURCES®
Alliance
Professional Water and Wastewater Operations

REPORT OF OPERATIONS

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

Month of February 2020

Submitted by Alliance Water Resources, Inc. for the

March 2020

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	2.9	3.6	N/A	0		0.02	< 4.9	< 1.0
Peak Day	3.2	4.4	7.6	0		0.03	< 4.9	< 1.0
Percent Removal	98.3	97.8	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		2.2	10	3.6
Weekly Average	45	45		630				
Daily Max				N/A		11.5	15	9.1

PLANT HYDRAULIC AND ORGANIC LOADING

The average daily influent flow for the month was 1.251 MGD or 42% of Permitted flow with Lake Ozark contributing 14% of the total flow and Osage Beach contributing 86%. 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 51795 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 562,500 gallons with a level of 6.5 feet in Tank 1 and 6.0 feet in Tank 2.

WASTEHAULERS

The plant received 23 loads of septage during the month totaling 57,000 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 relay in the pista grit panel go bad on the 10th of February so we replaced it and found that the motor starter overload relay was bad also, so we ordered a replacement and got it on the 12th and had it back online that same day.

SAFETY

- We conducted our monthly routine Safety Meeting on Basic First Aid, Bloodborne Pathogens & CPR Review on the 5th of February.

REGULATORY AGENCY, INSPECTION AND REPORTS

- We filled out the EDMR on MDNR's website on the 6th of March.

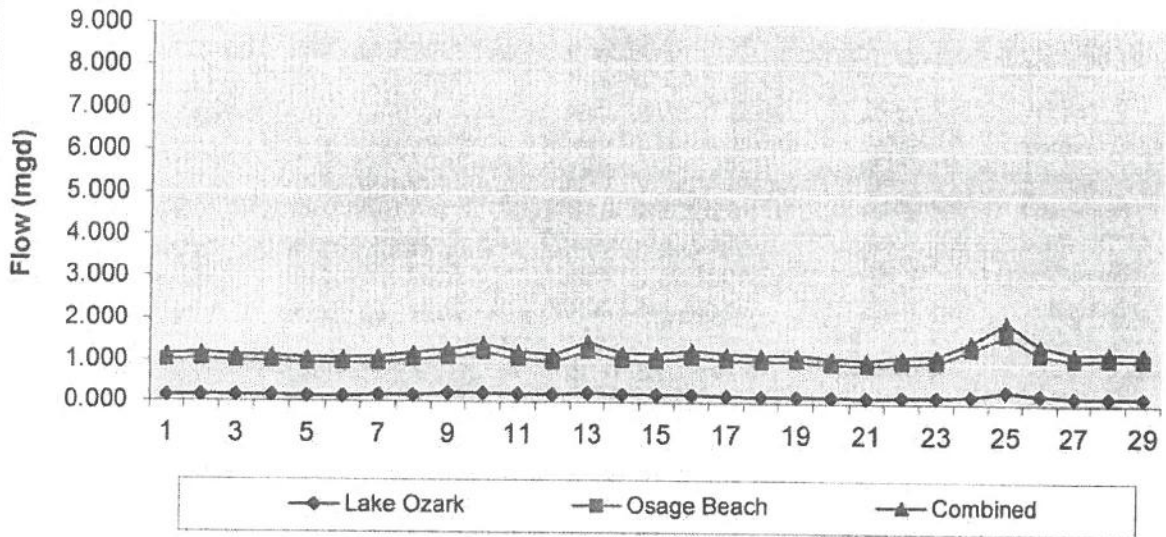
MISCELLANEOUS AND RECOMMENDATIONS

TABLE A
LAKE OZARK/OSAGE BEACH WWTP

MONTH OF February 2020

DATE		FLOW					BOD 5 MG/L			TSS MG/L		
	RAIN FALL IN.	LO mgd	OB mgd	COMB mgd	% LO	% OB	LO mg/l	OB mg/l	COMB mg/l	LO mg/l	OB mg/l	COMB mg/l
1-Feb	0	0.140	1.010	1.150	12.2	87.8						
2-Feb	0	0.149	1.043	1.192	12.5	87.5						
3-Feb	0	0.147	0.996	1.143	12.9	87.1						
4-Feb	0	0.140	0.987	1.127	12.4	87.6						
5-Feb	0.25	0.131	0.944	1.075	12.2	87.8						
6-Feb	0.3	0.129	0.951	1.080	11.9	88.1						
7-Feb	0	0.159	0.953	1.112	14.3	85.7	198	165	180	212	118	198
8-Feb	0	0.159	1.039	1.198	13.3	86.7						
9-Feb	0	0.207	1.088	1.295	16.0	84.0						
10-Feb	0.5	0.205	1.220	1.425	14.4	85.6						
11-Feb	0	0.183	1.060	1.243	14.7	85.3						
12-Feb	0.2	0.179	0.981	1.160	15.4	84.6						
13-Feb	0.5	0.224	1.254	1.478	15.2	84.8						
14-Feb	0	0.187	1.029	1.216	15.4	84.6	170	195	175	144	148	198
15-Feb	0.0	0.185	1.008	1.193	15.5	84.5						
16-Feb	0	0.184	1.102	1.286	14.3	85.7						
17-Feb	0	0.160	1.050	1.210	13.2	86.8						
18-Feb	0.2	0.150	1.020	1.170	12.8	87.2						
19-Feb	0	0.147	1.035	1.182	12.4	87.6						
20-Feb	0	0.148	0.963	1.111	13.3	86.7						
21-Feb	0	0.134	0.936	1.070	12.5	87.5	190	160	155	178	110	118
22-Feb	0	0.158	1.009	1.167	13.5	86.5						
23-Feb	0	0.156	1.027	1.183	13.2	86.8						
24-Feb	1.1	0.183	1.336	1.519	12.0	88.0						
25-Feb	0.5	0.310	1.691	2.001	15.5	84.5						
26-Feb	0	0.219	1.231	1.450	15.1	84.9						
27-Feb	0	0.175	1.093	1.268	13.8	86.2						
28-Feb	0	0.171	1.117	1.288	13.3	86.7	228	175	175	102	116	150
29-Feb	0	0.167	1.106	1.273	13.1	86.9						
SUM	3.6	4.986	31.279	36.265								
AVG		0.172	1.079	1.251	14	86	197	174	171	159	123	166
NOTE: BOLD PRINT INDICATES WEEKEND DAYS												

**Daily Flow
Figure 1**



**Effect of Rainfall on Flow
Figure 2**

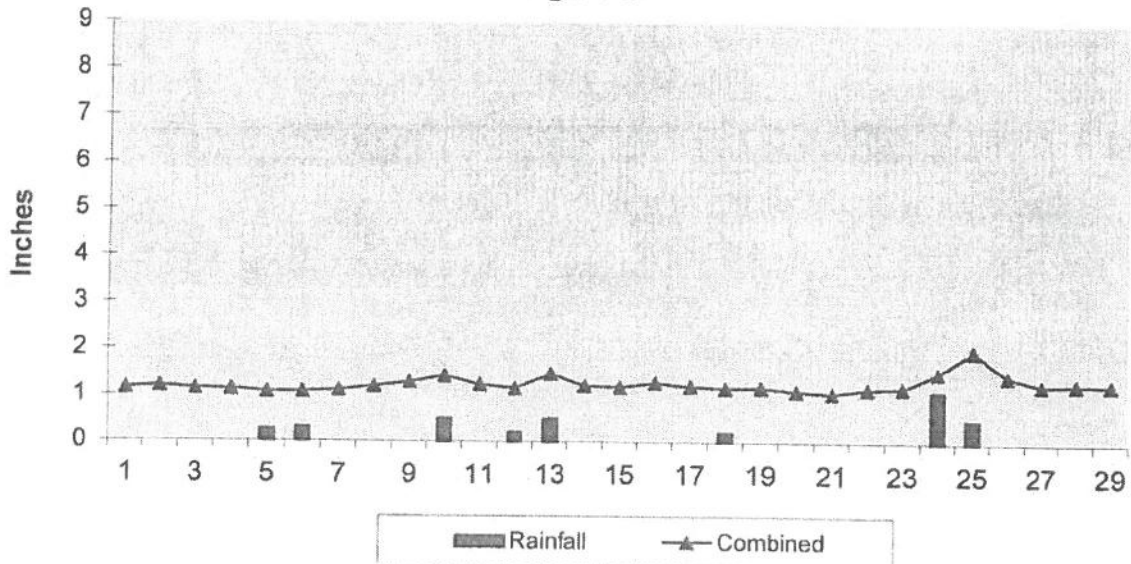
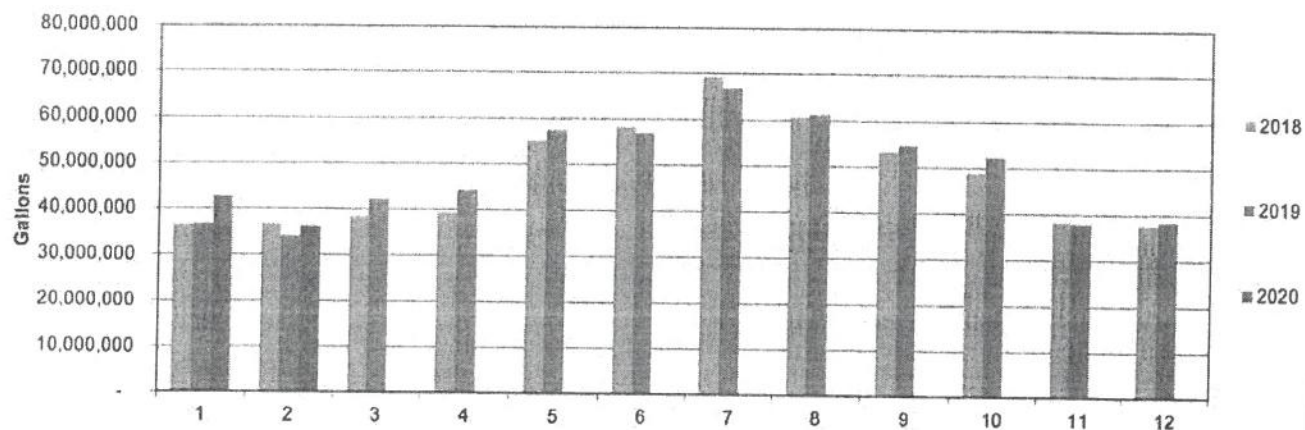


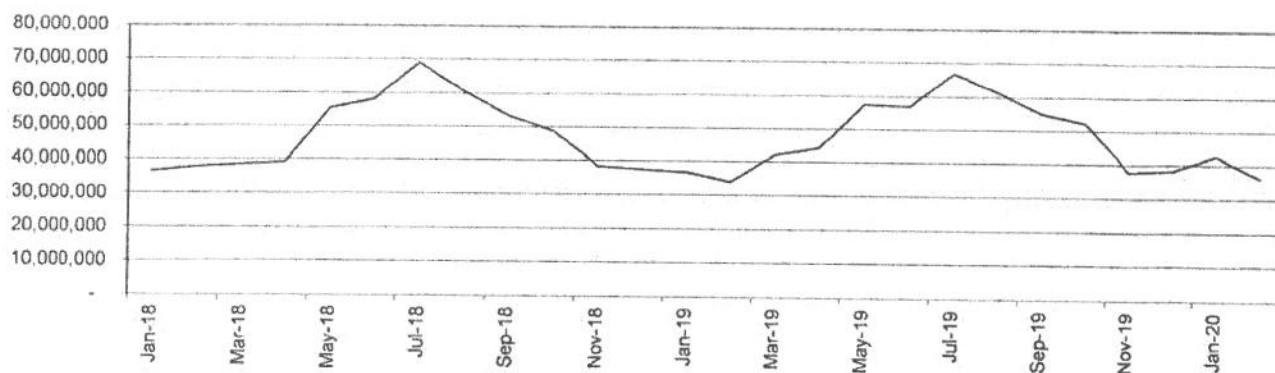
TABLE B
JOINT SEWER BOARD
Monthly Flows

<u>2018</u>	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	2.8	32,190,000	88%	4,345,000	12%	36,535,000	100%
February	5.4	31,846,000	87%	4,861,000	13%	36,707,000	100%
March	3.2	33,424,000	87%	5,010,000	13%	38,434,000	100%
April	1.9	34,339,000	88%	4,896,000	12%	39,235,000	100%
May	5.4	47,620,000	86%	7,610,000	14%	55,230,000	100%
June	3.2	51,063,000	88%	7,125,000	12%	58,188,000	100%
July	2.7	60,484,000	88%	8,550,000	12%	69,034,000	100%
August	6.9	52,916,000	87%	7,679,000	13%	60,595,000	100%
September	3.4	46,228,000	87%	7,013,000	13%	53,241,000	100%
October	7.5	42,037,000	86%	6,738,000	14%	48,775,000	100%
November	3.6	33,221,000	87%	5,089,000	13%	38,310,000	100%
December	6.3	32,452,000	86%	5,123,000	14%	37,575,000	100%
	52.3	497,820,000	87%	74,039,000	13%	571,859,000	100%
<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						-	
April						-	
May						-	
June						-	
July						-	
August						-	
September						-	
October						-	
November						-	
December						-	
	11.3	68,085,000	86%	10,766,000	14%	78,851,000	100%

Monthly Influent Flow
Figure 3A

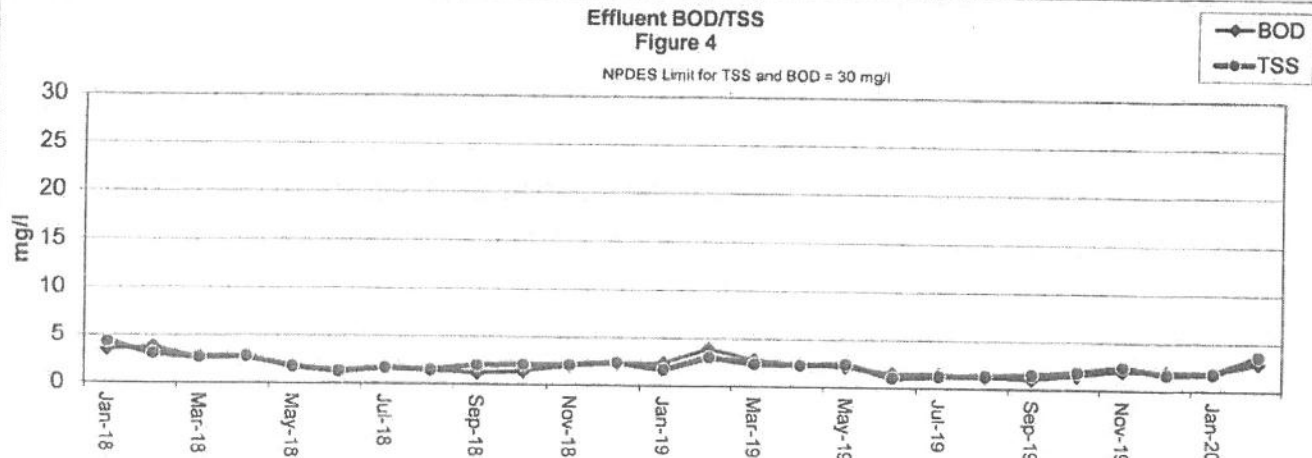


Monthly Influent Flow
Figure 3B



Effluent BOD/TSS
Figure 4

NPDES Limit for TSS and BOD = 30 mg/l

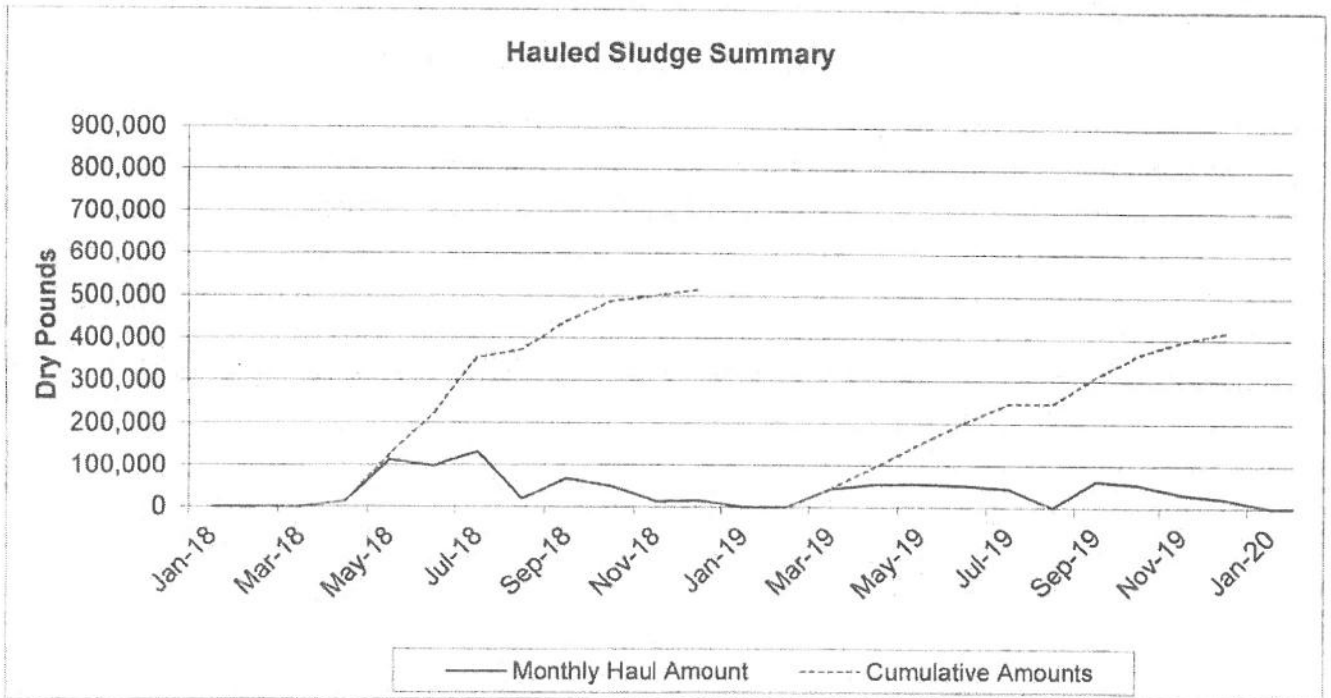
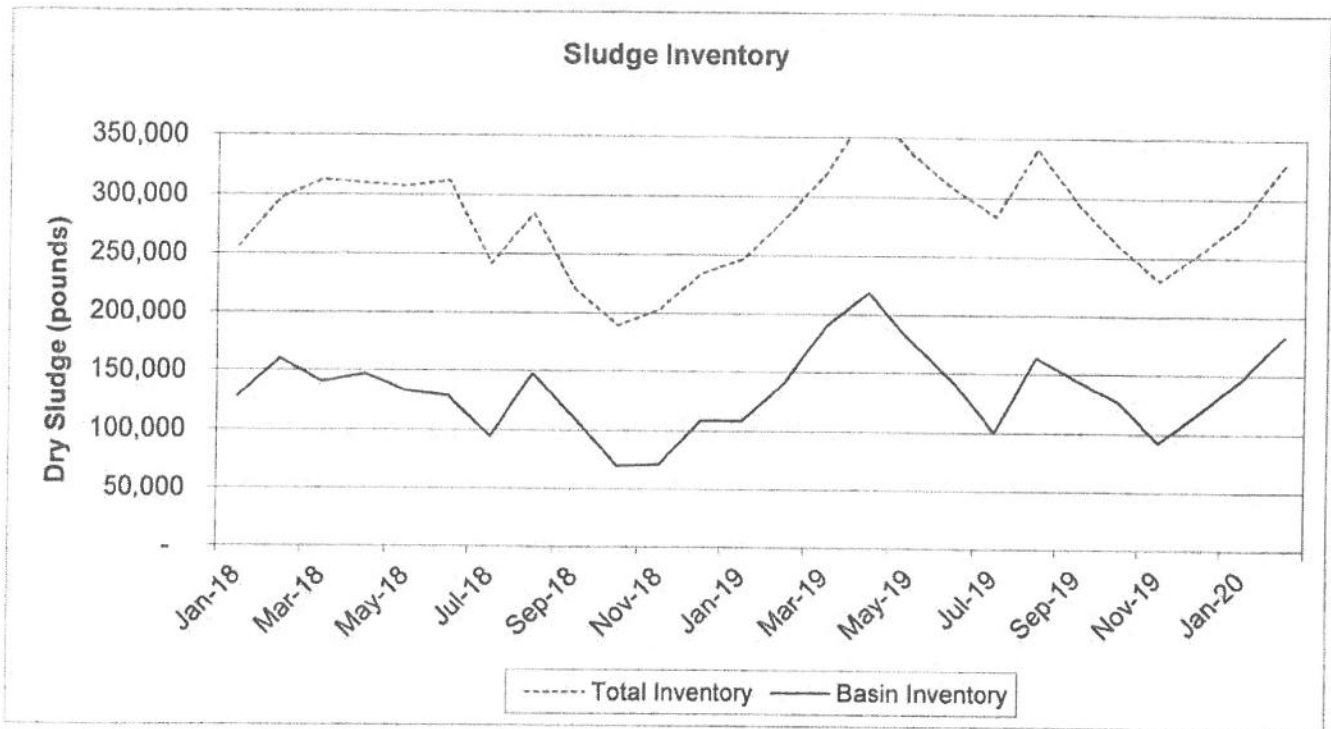


	Loads	Gallons	Hauled Sludge			Annual Cumulative # Dry
			# Dry	% Solids		
Jan-18	0	-	0	3.4%		
Feb-18	0	-	0	3.4%		
Mar-18	0	-	0	3.4%		
Apr-18	11	40,700	12,096	3.6%		12,096
May-18	93	344,100	112,693	3.9%		124,789
Jun-18	88	325,000	97,758	3.6%		222,547
Jul-18	126	466,200	131,023	3.4%		353,570
Aug-18	12	44,400	19,441	5.3%		373,011
Sep-18	51	188,700	66,098	4.2%		439,109
Oct-18	38	140,600	48,447	4.1%		487,556
Nov-18	11	40,700	12,899	3.8%		500,455
Dec-18	14	51,800	14,688	3.4%		515,143
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	54,895	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	214,600	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%		

Basin Depths					# Dry
Tank #1	Tank #2	AB #1	Basin	Gallons	
5.5	4.5	0.0		450,000	127,802
7.5	5.0	0.0		562,500	159,503
5.5	5.5	0.0		495,000	140,362
5.0	6.0	0.0		495,000	147,114
4.5	4.5	0.0		405,000	132,638
4.0	5.5	0.0		427,500	128,589
3.0	4.5	0.0		337,500	94,853
5.0	2.5	0.0		337,500	147,776
4.5	2.5	0.0		315,000	110,338
3.0	1.5	0.0		202,500	69,776
2.5	2.5	0.0		225,000	71,309
6.5	2.0	0.0		382,500	108,459
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	169,462
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	162,959

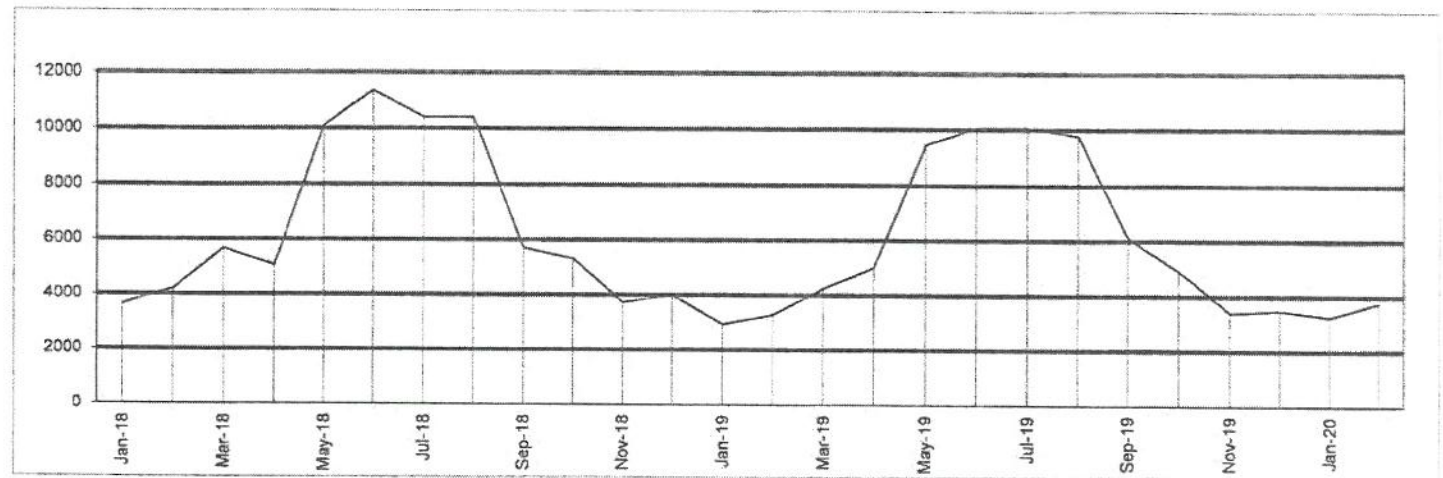
Blanket Depths			MLSS Inventory		Blanket and MLSS Inventory		MLSS		Total Dry
Clarf #1	Clarf #2	Clarf #3	MLSS AB #1	MLSS AB #2	Gallons	# Dry	% Solids	Sludge Inventory	
0.5	1.0	0.0	4,390	4,040	3,626,643	127,488	0.00422	255,090	
2.0	4.0	1.0	4,880	3,920	3,750,000	137,610	0.0044	297,113	
0.5	0.5	0.5	5,580	5,780	3,639,476	172,406	0.00568	312,769	
0.5	0.5	0.5	5,670	5,040	3,639,476	162,542	0.00536	309,655	
0.5	0.5	0.5	5,963	5,547	3,639,476	174,683	0.00576	307,321	
4.0	3.0	1.0	6,190	5,490	3,767,762	183,511	0.00584	312,100	
1.0	0.5	1.5	4,570	4,990	3,691,785	147,174	0.00478	242,026	
2.5	1.0	1.0	4,680	4,170	3,705,595	136,753	0.00443	294,531	
0.5	1.0	0.0	3,920	3,340	3,626,643	109,794	0.00363	220,132	
0.5	0.5	0.0	4,290	3,640	3,617,762	119,633	0.00397	189,409	
1.0	1.0	0.0	4,100	4,640	3,635,524	132,500	0.00437	203,809	
11.0	12.0	0.0	4,120	3,420	4,008,526	126,035	0.00377	234,494	
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	3,626,643	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	163,886	0.00521	307,267	
2.0	3.0	0.5	6,060	5,830	3,710,524	183,973	0.00595	284,370	
5.0	3.0	0.5	5,660	5,680	3,763,810	177,982	0.00567	341,988	
2.0	1.0	1.0	4,460	5,310	3,695,714	150,607	0.00489	294,741	
2.5	3.0	1.0	4,170	4,350	3,741,119	132,916	0.00426	259,414	
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	

Accepted Septage	
Loads	Gallons
5	12,500
16	40,000
6	15,000
8	20,000
10	24,500
38	95,000
42	107,000
30	75,000
45	113,500
21	59,500
8	21,500
22	55,000
19	46,500
31	79,500
9	21,500
23	61,500
12	25,500
19	47,500
38	84,000
29	72,500
22	55,000
40	97,000
15	36,000
14	32,000
16	34,100
23	57,000

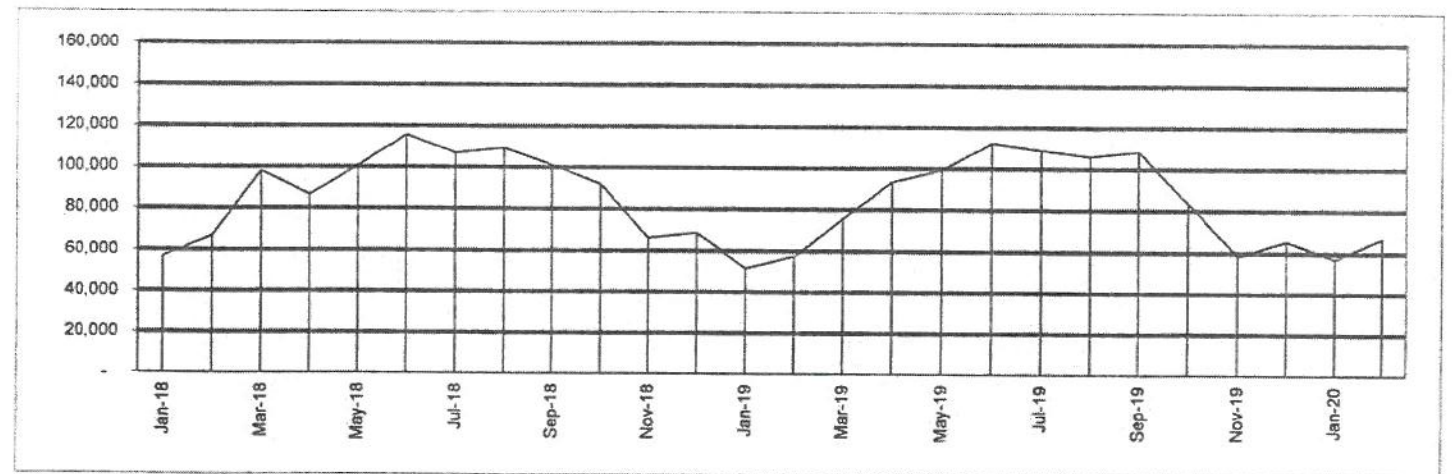


	<u>Electric Cost</u>	<u>Kilowatts Used</u>
Jan-18	3640	56,750
Feb-18	4207	66,930
Mar-18	5667	98,010
Apr-18	5060	86,650
May-18	10116	100,520
Jun-18	11336	115,750
Jul-18	10417	106,550
Aug-18	10400	109,290
Sep-18	5685	101,170
Oct-18	5317	92,210
Nov-18	3731	66,280
Dec-18	3990	68,840
Jan-19	2926	51,490
Feb-19	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

Electric Cost



Kilowatts Used





MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
 Discharge Monitoring Report For Municipal Wastewater Treatment Plants

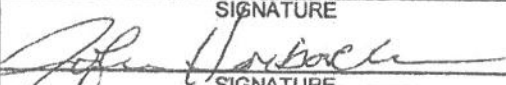
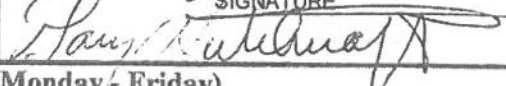
NAME OF FACILITY					LOCATION ADDRESS & CITY								COUNTY/REGION	
Lake of the Ozarks Regional WWTP #1					#3 Anderson Road								Miller/SWRO	
MONTH/YEAR		PERMIT NUMBER			OUTFALL NUMBER		TYPE TREATMENT FACILITY							
Feb-20		MO-0103241			#001		Oxidation Ditch/UV/Sludge Holding-sludge is land applied							
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	6.7			10.3	1.524	7.4				6.3		8.4		
2	6.7			11.2	1.628	7.3				5.7		9.2		
3	6.7			11.8	1.462	7.1				5.7		10.7		
4	6.4			11.5	1.476	7.2				5.8		10.6		
5	6.6			10.3	1.524	7.3				6.1		9.3		
6	6.7			10.2	1.557	7.4			0.02	6.3		8.1		
7	6.5	180	198	10.0	1.617	7.2	3.2	3.7		6.7		8.1	98.2	98.1
8	7.3			9.3	1.669	7.3				7.0		7.5		
9	7.1			10.9	1.789	7.3				6.8		8.7		
10	7.3			9.7	1.904	7.5				5.7		8.8		
11	6.8			11.1	1.738	7.5				6.3		9.6		
12	6.5			10.5	1.592	7.2				5.9		9.7		
13	6.5			9.4	1.988	7.1			0.01	5.8		7.7		
14	6.5	175	198	8.9	1.872	7.0	2.8	4.4		6.8		6.8	98.4	97.8
15	6.6			9.7	1.759	7.2				6.9		7.1		
16	6.7			11.0	1.773	7.6				6.5		8.5		
17	6.6			11.0	1.619	7.2				6.1		6.7		
18	6.7			10.1	1.581	7.3				4.9		9.2		
19	7.2			9.9	1.608	6.9				6.2		9.2		
20	6.5			9.9	1.540	7.4			0.02	6.5		8.4		
21	6.4	155	118	10.1	1.551	7.3	2.9	4.1		6.9		8.0	98.1	96.5
22	7.1			8.6	1.551	7.3				6.7		6.9		
23	7.2			10.5	1.589	7.2				6.0		8.2		
24	7.2			11.2	1.923	7.4				4.6		9.9		
25	6.6			10.4	2.625	7.1				4.8		10.0		
26	6.9			10.0	2.012	7.2				6.3		9.5		
27	6.5			10.4	1.761	7.1			0.01	6.5		8.8		
28	7.1	175	150	9.7	1.679	7.3	2.7	2.2		6.9		8.7	98.5	98.5
29	6.6			9.9	1.725	7.3				6.2		8.7		
Total					49.636									
Avg		171	166	10	1.712		2.9	3.6	0.02	6.2	0.0	8.7	98.3	97.7
Min	6.4	155	118	9	1.462	6.9	2.7	2.2	0.01	4.6	0.0	6.7	98.1	96.5
Max	7.3	180	198	12	2.625	7.6	3.2	4.4	0.02	7.0	0.0	10.7	98.5	98.5

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	< 4.8	< 1.0	260	307						
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
Total	< 4.8	< 1.0	260	307						
Avg	< 4.8	< 1.0	260	307						
Min	< 4.8	< 1.0	260	307						
Max	< 4.8	< 1.0	260	307						

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				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		3.4	4,350	670	9.0	4.1	4,190	760	9.1	34	0	7:30
2		2.5	4,110	690	9.7	3.5	4,440	720	9.4	39	0	7:30
3		2.1	4,030	620	10.8	1.7	4,610	780	10.9	50	0	7:30
4		1.6	4,510	730	11.0	2.4	4,250	700	10.8	42	0	7:30
5		2.3	4,760	790	9.9	4.3	4,260	680	9.7	33	0.25	7:30
6		1.9	4,590	800	8.9	4.3	4,180	750	8.9	28	0.3	7:30
7		2.6	4,540	780	8.2	4.8	4,370	800	8.3	24	0	7:30
8		4.0	4,400	800	7.7	5.2	4,370	820	7.4	28	0	7:30
9		3.7	3,900	600	8.9	4.3	4,520	800	8.7	44	0	7:30
10		1.1	4,930	820	8.9	3.1	4,100	730	8.1	35	0.5	7:30
11		1.5	5,010	850	10.0	4.4	4,170	720	9.8	38	0	7:30
12		1.1	4,920	820	9.9	3.3	4,310	750	9.7	37	0.2	7:30
13		1.5	4,420	750	8.8	3.4	4,470	780	8.3	17	0.5	7:30
14		3.1	4,380	800	7.1	4.7	4,320	790	6.9	11	0	7:30
15		4.3	4,560	770	7.9	5.6	4,520	800	7.7	31	0	7:30
16		3.6	4,620	780	9.0	4.4	4,680	800	9.1	31	0	7:30
17		2.8	4,570	760	10.7	3.6	4,810	810	10.1	44	0	7:30
18		2.4	4,740	790	9.6	2.6	4,520	850	9.7	39	0.2	7:30
19		1.7	4,690	780	9.4	3.1	4,600	710	9.7	27	0	7:30
20		2.1	5,160	850	8.8	4.3	4,350	800	8.9	30	0	7:30
21		2.2	5,430	890	8.2	4.9	4,240	750	8.2	18	0	7:30
22		2.7	5,350	920	7.0	5.2	4,270	780	7.0	24	0	7:30
23		2.2	5,210	900	8.5	4.8	4,410	800	8.5	43	0	7:30
24		0.7	4,970	860	10.0	0.9	4,020	720	10.0	47	1.1	7:30
25		0.9	4,840	800	10.3	1.2	4,790	820	10.2	39	0.5	7:30
26		1.3	5,110	840	9.6	3.6	4,790	850	9.6	33	0	7:30
27		2.8	4,910	850	9.0	3.5	5,060	850	9.2	29	0	7:30
28		2.7	5,030	850	8.8	3.9	4,680	800	8.8	33	0	7:30
29		2.2	5,190	850	9.0	4.3	4,390	800	9.1	30	0	7:30

COMMENTS:

TESTS PERFORMED BY (PRINT)	SIGNATURE	PHONE #	DATE
John Hornback		(573)365-0455	3/5/2020
REPORT APPROVED BY (PRINT)	SIGNATURE	PHONE #	DATE
Gary Hutchcraft		(573)365-0455	3/5/2020

*Required Daily (Monday - Friday)

**Required 1/week

State of Missouri
Department of Natural Resources
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Dep. of Natural Resources
(REGIONAL OFFICE)
Southwest Regional Office
2040 W. Woodland
Springfield, MO 65807-5912
4178914300
4178914399 (fax)

PERMITTEE NAME/ADDRESS

NAME: Lake of the Ozarks Regional WWTP I
ADDRESS: #3 Anderson Road
LAKE OZARK, MO 65049

MO0103241	001 A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

YEAR	MO	DAY	TO	YEAR	MO	DAY
2020	02	01		2020	02	29

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

Parameter		MASS	Unit	CONCENTRATION			Unit	FREQUENCY OF ANALYSIS	SAMPLE TYPE	LAB CODE
BOD, 5-day, 20 deg. C (00310)	REPORTD	*****	*****	*****	3.2	2.9	mg/L	Weekly	24 Hour Composite	
Stage Type: End of Pipe	REQRMNT	*****	*****	*****	Weekly Average : 45	Monthly Average : 30		Weekly	24 Hour Composite	
BOD, 5-day, percent removal (81010)	REPORTD	*****	*****	*****	*****	98.1	%	Monthly	Calculated	
Stage Type: End of Pipe	REQRMNT	*****	*****	*****	*****	Monthly Average Minimum : 85		Monthly	Calculated	
Flow, in conduit or thru treatment plant (50050)	REPORTD	2.625	1.712	Mgal/d	*****	*****	*****	Daily	Total Measured	
Stage Type: End of Pipe	REQRMNT	Daily Maximum Monitoring Required	Monthly Average : Monitoring Required		*****	*****	*****	Daily	Total Measured	
Nitrogen, ammonia total (as N) (00610)	REPORTD	*****	*****	0.02	*****	0.02	mg/L	Weekly	Grab	
Stage Type: End of Pipe	REQRMNT	*****	*****	Daily Maximum : 11.5	*****	Monthly Average : 2.2		Weekly	Grab	
Oil and grease (soxhlet extr.) tot. (00550)	REPORTD	*****	*****	<4.8	*****	<4.8	mg/L	Monthly	Grab	
Stage Type: End of Pipe	REQRMNT	*****	*****	Daily Maximum : 15	*****	Monthly Average : 10		Monthly	Grab	
pH (00400)	REPORTD	*****	*****	6.9	*****	7.6	SU	Weekly	Grab	
Stage Type: End of Pipe	REQRMNT	*****	*****	Minimum : 6.5	*****	Maximum : 9.0		Weekly	Grab	
Selenium (Se), total recoverable (00981)	REPORTD	*****	*****	<1.0	*****	<1.0	ug/L	Monthly	Grab	
Stage Type: End of Pipe	REQRMNT	*****	*****	Daily Maximum : 0.1	*****	Monthly Average : 3.6		Monthly	Grab	

GENERAL PERMIT REQUIREMENTS OR COMMENTS
DEHALL-SPECIFIC COMMENTS
PARAMETER-SPECIFIC COMMENTS

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.

OPERATOR IN RESPONSIBLE CHARGE

Gary Hutchcraft	7305
TYPED OR PRINTED NAME	CERTIFICATE NUMBER
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE
Gary F. Hutchcraft	5733650455
TYPED OR PRINTED NAME	2020-03-06 08:49:25
SIGNATURE	Date

Page 1

State of Missouri
Department of Natural Resources
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Dep. of Natural Resources
(REGIONAL OFFICE)
Southwest Regional Office
2040 W. Woodland
Springfield, MO 65807-5912
4178914300
4178914399 (fax)

PERMITTEE NAME/ADDRESS

NAME: Lake of the Ozarks Regional WWTP I
ADDRESS: #3 Anderson Road
LAKE OZARK, MO 65049

MO0103241	001 A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

YEAR	MO	DAY	TO	YEAR	MO	DAY
2020	02	01		2020	02	29

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

Parameter		MASS		Unit	CONCENTRATION			Unit	FREQUENCY OF ANALYSIS	SAMPLE TYPE	LAB CODE
Suspended Solids, percent removal (81011)	REPORTD	*****	*****		*****	*****	96.5		Monthly	Calculated	
	REQRMNT	*****	*****		*****	*****	Monthly Average Minimum : 85	%	Monthly	Calculated	
Stage Type: End of Pipe											
Total Suspended Solids (TSS) (00530)	REPORTD	*****	*****		*****	4.4	3.6		Weekly	24 Hour Composite	
	REQRMNT	*****	*****		*****	Weekly Average : 45	Monthly Average : 30	mg/L	Weekly	24 Hour Composite	
Stage Type: End of Pipe											

GENERAL PERMIT REQUIREMENTS OR COMMENTS
DEHALL-SPECIFIC COMMENTS
PARAMETER-SPECIFIC COMMENTS

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PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE
Gary F. Hutchcraft	5733650455
TYPED OR PRINTED NAME	2020-03-06 08:49:25
SIGNATURE	Date

Page 2

PERMITTEE NAME/ADDRESS

State of Missouri
Department of Natural Resources
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Dep. of Natural Resources
(REGIONAL OFFICE)
Southwest Regional Office

2040 W. Woodland
Springfield, MO 65807-5912
4178914300
4178914399 (fax)

NAME: Lake of the Ozarks Regional WWTP I
ADDRESS: #3 Anderson Road
LAKE OZARK, MO 65049

MOD103241	SM2 A				
PERMIT NUMBER	DISCHARGE NUMBER				
MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
2020	02	01	2020	02	29

FROM

TO

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS
BEFORE COMPLETING THIS FORM.

Parameter		MASS	Unit	CONCENTRATION	Unit	FREQUENCY OF ANALYSIS	SAMPLE TYPE	LAB CODE
Hardness, total (as CaCO ₃) (00900)	REPORTD	*****		307	*****	307	Monthly	Grab
	REORMNT	*****		Daily Maximum : Monitoring Required	*****	Monthly Average : Monitoring Required	Monthly	Grab
Stage Type: Instream Monitoring								

GENERAL PERMIT REQUIREMENTS OR COMMENTS:

ON-TOILET-SPECIFIC COMMENTS:

PARAMETER-SPECIFIC COMMENTS:

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.

OPERATOR IN RESPONSIBLE CHARGE

Gary Hutchcraft		7305	
TYPED OR PRINTED NAME		CERTIFICATE NUMBER	
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	
Gary F. Hutchcraft		5733650455	
TYPED OR PRINTED NAME		Date	
SIGNATURE		2020-03-06 08:49:25	

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FEBRUARY 2020

Use following phonetications R-rat, X-xen, O-ovace, C-clear, PC-poorly cloud.

Date: 3/6/2010