

**OSAGE BEACH / LAKE OZARK
JOINT SEWER BOARD MEETING
AGENDA
OCTOBER 15, 2019 @ 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, Lake Ozark, Judy Neels
Alderman, Osage Beach, Greg Massey
Public Works Director, Osage Beach,
Public Works Director, Lake Ozark, Matt Michalik
Resident Member, Mr. Gary Hamner

3. MINUTES

Page Numbers

Regular Meeting: September 17, 2019 **3-4**

4. REPORTS

Bill List	5-13
Revenue Budget Analysis	15
Expenditure Budget Analysis	17
Income & Expense Summary	19
Check Registers & Bank Statements	21-24
September Alliance Report of Operations	29-46
Approval of Flow Charts September 2019	

5. OLD BUSINESS

- A. Board Representative update
- B. Discussion and possible action regarding the 2020 Budget **25-28**

6. NEW BUSINESS

A. Discussion and possible action on Bids for Salt/Sand tailgate spreader 47

B. Discussion and possible action on Well Pump replacement project

7. ADDITIONAL DISCUSSION ITEMS

8. ADJOURNMENT

**THE NEXT MEETING WILL BE NOVEMBER 19, 2019 4:00 PM @ LAKE OZARK
CITY HALL**

**LAKE OZARK-OSAGE BEACH
JOINT SEWER BOARD**
Meeting Minutes – August 20, 2019

CALL TO ORDER:

Mayor John Olivarri called the meeting to order at 4:00pm on Tuesday, September 17, 2019 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 - Present
City Administrator Lake Ozark, Dave Van Dee – Present
Alderman Osage Beach, Greg Massey - Present
Alderman Lake Ozark, Judy Neels- Present
Public Works Director Osage Beach,
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 August 20, 2019. The motion was seconded by Alderman Neels. The motion passed unanimously.

REPORTS:

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

Alliance Report of Operations: The average daily incoming flow for August was 1.977 mgd. We had 6 inches of precipitation measured at the WWTP.

Operationally, the plant's discharge was excellent, with an effluent monthly average BOD of 1.2 mg/l and TSS of 1.3 mg/l respectively for August, which represents a 99.3% or better removal.

The MLSS average for both aeration basins was 5,742 mg/l in August. The total dry weight sludge inventory for August totaled 341,988 pounds. We also received 29 tanker loads or 72,500 gallons of septage for the month.

APPROVAL OF FLOW CHART

Motion was made by Director Michalik to approve the Flow Chart for August, seconded by Alderman Massey. Motion passed unanimously.

OLD BUSINESS:

- A. Director Michalik advised the generator has been set and the parking lights have been replace. Everything else looks good.

NEW BUSINESS:

- A. Per Karri Bell she will work with Gary and get a draft together for the 2020 Budget. She will bring it to the next meeting.
- B. After brief discussions for repairs for the plant:
 - 1. A motion was made to go with UV Doctor in the amount of \$4820.00 by Public Works Director Michalik, and seconded by City Administrator Van Dee. Motion passed unanimously.
 - 2. A motion was made to go with USA Blue Book in the amount of \$1727.08 by Alderman Neels, and seconded by Alderman Massey. Motion passed unanimously.
 - 3. A motion was made to go with Road Runners in the amount of \$1400.00 by Alderman Massey, and seconded by Public Works Director Michalik. Motion passed unanimously.

ADDITIONAL DISCUSSION ITEMS: None at this time.

ADJOURNMENT:

With no further business to discuss the meeting adjourned at 4:17 pm.

Approved On

Mayor, John Olivarri

City Collector, Trisha Kane

JOINT SEWER BOARD
BILL LIST
OCTOBER 15, 2019

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:	\$	258.10
OPERATING FUND BILLS TO BE PAID:	\$	37,735.12
EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:	\$	-
EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:	\$	1,967.83
TOTAL	\$	39,961.05

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:

Account	Check	Paid To:	Description:	Amount:
4150	152	Roemer's Heavy Equip.	A/C repair 94 GMC	\$ 258.10
				\$ -
				\$ -
TOTAL				\$ 258.10

OPERATING FUND BILLS TO BE PAID:

Account	Check	Paid To:	Description:	Amount:	
4000	153	Equipment Replacement Fund	Payment into ER Fund	\$ 3,467.00	
4020	154	Core & Main LP	Chlorine	\$ 250.60	
4020	155	Jani King	October	\$ 195.00	
4020	156	McMaster-Carr	Rollers for Clarifier Skim Baskets	\$ 169.27	
4020	157	Smart Postal	Waste Haul Tickets	\$ 100.00	
4020	158	Xylem Water Solutions USA Inc.	UV Supplies	\$ 133.31	
4140	159	Naught-Naught Agency	Add Generator - 6 months	\$ 137.00	
4150	160	Clark Tire Co.	Tire for Sludge Trk	\$ 996.58	
4150	161	DOC Lubrication Specialist	Oil	\$ 79.20	
4150	162	Denny's Dock Services LLC	Sludge Trk Tank repair	\$ 200.00	
4150	163	Field Gymmy Inc.	Gauge for Sludge Trk	\$ 46.92	
4150	164	O'Reilly	Sludge Trk Fan	\$ 21.98	
4170	165	Alliance Water Resources, Inc.	October	\$ 24,966.00	
4175	166	Ameren MO	11673321	\$ 5,920.83	
4175	166	Ameren MO	98041275	\$ 194.48	\$ 6,115.31
4176		AT&T	October	\$ -	
4176	167	Ferrellgas	Propane	\$ 713.09	
4176	168	Republic	October	\$ 143.86	
				\$ -	
				\$ -	
TOTAL				\$ 37,735.12	

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:
4000	1034	Lake Sun	Bid Well-Replacement	\$ 240.75
4000	1035	USA Blue Book	Ammonia & BOD probes	\$ 1,727.08
				\$ -
TOTAL				\$ 1,967.83



Naught-Naught/Osage Beach, MO
P. O. Box 187
Osage Beach, MO 65065
Phone: 573-348-2794

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

INVOICE NO. 217760		Page 1
ACCOUNT NO.	OP	DATE
LAKE-33	T5	09/30/2019
Commercial Package		
POLICY #	LOAN #	
ETD 0484322		
COMPANY		
Cincinnati Insurance Company		
PRODUCER		
Steve Naught		
EFFECTIVE	EXPIRATION	BALANCE DUE ON
04/10/2019	04/10/2020	

Itm #	Due Date	Trn	Type	Description	Amount
9CQ218	09/30/19	MEM	PCKG	Add Generator	\$137.00

Invoice Balance: \$137.00

4140

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

GENERAL CHANGE ENDORSEMENT

Attached to and forming part of:

Auto / Garage

Policy Number ETA 048 43 22

All Other

Policy Number ETD 048 43 22

Effective Date

of Endorsement 09-09-2019

Issued to LAKE OZARK OSAGE BEACH JOINT SEWER TREATMENT PLANT

Agent NAUGHT-NAUGHT INSURANCE AGENCY, INC. 24-016

JEFFERSON CITY, MO

Endorsement # 3

PREMIUM INFORMATION

Additional Premium Due at Endorsement Effective Date 137

Subsequent Annual Installments Increased by

\$

Revised Annual Installment Payment(s)

\$

It is agreed that the policy is amended as indicated by ☒

☐ Policy Installment Premium Amended to:

☐ Annual

☐ Semi-Annual

☐ Quarterly

☐ Named Insured

☐ Mailing Address

☐ Form(s) Added

☐ Form(s) Deleted

All Other Reason for Change

AMENDING PER REVISED FM502 ATTACHED.

Auto / Garage Reason for Change

09-09-2019 14:59

IA 4329 12 09

Page 1 of 1

THE CINCINNATI INSURANCE COMPANY

A Stock Insurance Company

COMMERCIAL PROPERTY COVERAGE PART DECLARATIONS

Attached to and forming part of POLICY NUMBER: ETD 048 43 22

Named Insured is the same as it appears on the Common Policy Declarations unless otherwise stated here.

Loc. (address)
PER STATEMENT OF VALUES ON FILE
REFER TO IA904

COVERAGE PROVIDED			OPTIONAL COVERAGES Applicable only when an entry is made								
Item	Coverage	Limits	Coin- surance	Covered Cause Of Loss	Inflation Guard (%)	Replace- ment Cost (X)	Replace- ment Cost Ind. Stock (X)	Agreed Value (X)	Monthly Limit (fraction)	Maximum Period (X)	Extended Period (Days)
	BLANKET BUILDING	6,993,320 SEE FA241 SEE FA104	90%	SPECIAL EQ FLOOD		X					
	BLANKET BUSINESS PERSONAL PROPERTY	567,310 SEE FA241 SEE FA104	90%	SPECIAL EQ FLOOD		X					

DEDUCTIBLE: \$500.00 unless otherwise stated \$ 5,000
EARTHQUAKE DEDUCTIBLE: SEE FA241
FLOOD DEDUCTIBLE: 25,000

MORTGAGE HOLDER

Item Name and Address

FORMS AND / OR ENDORSEMENTS APPLICABLE TO THIS COVERAGE PART:

FM101	05/16	BUILDING AND PERSONAL PROPERTY COVERAGE FORM (INCLUDING SPECIAL CAUSES OF LOSS)
FA104S	05/15	FLOOD COVERAGE SUPPLEMENTAL SCHEDULE
CP0128	07/00	MISSOURI - CALCULATION OF ADDITIONAL PREMIUM
FA104	05/16	FLOOD COVERAGE ENDORSEMENT
FA241	05/16	EARTHQUAKE AND VOLCANIC ERUPTION ENDORSEMENT - (SUB-LIMIT FORM)
FA241S	05/15	EARTHQUAKE AND VOLCANIC ERUPTION ENDORSEMENT - (SUBLIMIT FORM) SUPPLEMENTAL SCHEDULE
FA263	05/16	WATER UTILITIES COMMERCIAL PROPERTY ENDORSEMENT
FA286	05/16	THE BRIDGE ENDORSEMENT
FA4028MO	10/05	MISSOURI CHANGES - NUCLEAR HAZARD EXCLUSION
FA450	05/16	COMMERCIAL PROPERTY CONDITIONS
FA245	05/11	EQUIPMENT BREAKDOWN COVERAGE (INCLUDING PRODUCTION MACHINERY)



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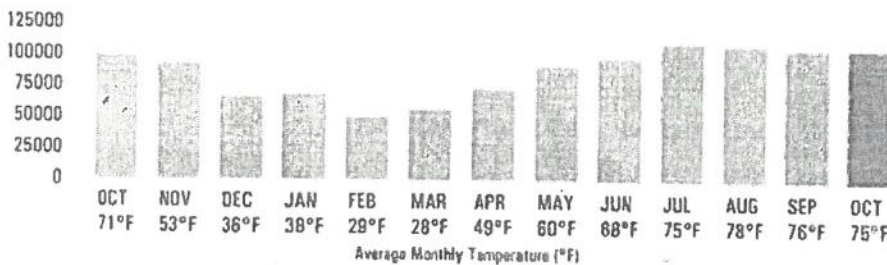
Account Number 4580005832
Customer Name ALLIANCE WATER RESOURCES INC
Service Address 3 ANDERSON RD, -
LAKE OZARK, MO 65049

Current Detail for Statement 10/08/2019
Total Electric Charges \$5,920.83
Total Amount Due \$5,920.83

AMOUNT DUE \$5,920.83
Due Date 10/29/2019
Amount After Due Date \$6,009.64
Previous Statement \$9,733.90
Total Payments \$9,733.90
Payment Received. Thank You.

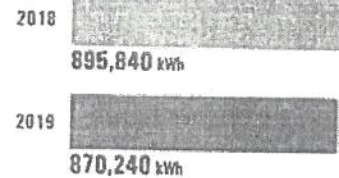
Electric Usage History

Electric Usage in Kilowatt Hours (kWh)



Electric Usage Summary (kWh)

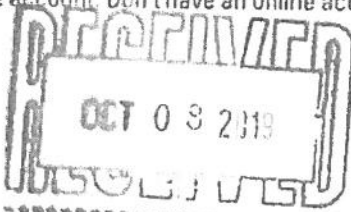
So far this year, you're using 2.9% less than last year.



Usage from Jan-Oct for 2018 & 2019

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: 10/8/19



» See next page for service details.

Keep this portion for your records.

Page 1 of 4



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Amount Due	Due Date
\$5,920.83	October 29, 2019
Delinquent Amount After Due Date	Account Number
\$6,009.64	4580005832

Amount Enclosed \$

>000095 6200720 0002 092139 102

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

AMEREN MISSOURI
PO BOX 88068
CHICAGO IL 60680-1068

00600000 0045800058302 000005920830 000005920830



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Electric Service Details

Service from 09/05/2019 - 10/06/2019 (31 days)

Electric Meter Read

METER NUMBER	SERVICE FROM - TO	NO. DAYS	USAGE TYPE	READING TYPE	CURRENT READING	PREVIOUS READING	READING DIFFERENCE	MULTIPLIER	USAGE
11673321	09/05 - 10/06	31	Total kWh	Actual	56118.0000	55454.0000	664.0000	180.0000	106240.0000
11673321	09/05 - 10/06	31	Peak kW	Actual	1.3530	0.0000	1.3530	180.0000	218.4800

Usage Summary

Total kWh	106240.0000	Peak kW	218.5000
Total Billing Demand	218.5000	Current Base Demand	218.5000
Base kWh Ratio	1.0000	Base kWh (HUD)	106240.0000
Seasonal kWh (HUD)	0.0000	October Base Demand	218.5000

Rate 3M Large General Service

DESCRIPTION	USAGE	UNIT		RATE	CHARGE
Seasonal Energy Charge	0.00	kWh	@	\$ 0.03890000	\$0.00
Demand Charge	216.50	kW	@	\$ 2.00000000	\$433.00
Base Energy Charge / Hours Used	32,475.00	kWh	@	\$ 0.06650000	\$2,159.59
Base Energy Charge / Hours Used	43,300.00	kWh	@	\$ 0.04940000	\$2,139.02
Base Energy Charge / Hours Used	30,465.00	kWh	@	\$ 0.03890000	\$1,185.09
Customer Charge					\$95.07
Fuel Adjustment Charge	106,240.00	kWh	@	\$ 0.00136000	\$ 144.49
Energy Efficiency Program Charge	106,240.00	kWh	@	\$ 0.00020000	\$21.25
Energy Efficiency Investment Charge	106,240.00	kWh	@	\$ 0.00492400	\$523.13
Federal Tax Rate Reduction	106,240.00	kWh	@	\$ 0.00462000	\$490.83
Total Service Amount					\$5,920.83
Total Electric Charges					\$5,920.83

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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

Current Detail for Statement 10/08/2019

Total Electric Charges \$194.48
Total Amount Due \$194.48

AMOUNT DUE \$194.48

Due Date 10/29/2019

Amount After Due Date \$197.40

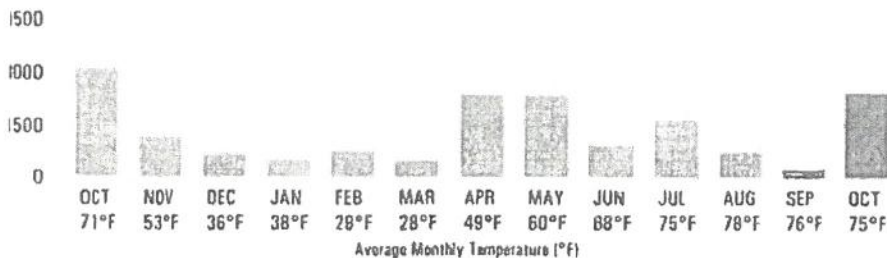
Previous Statement \$50.02

Total Payments \$50.02

Payment Received. Thank You.

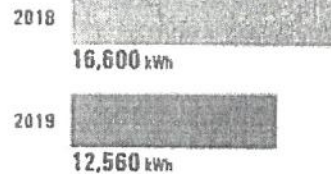
Electric Usage History

Electric Usage in Kilowatt Hours (kWh)



Electric Usage Summary (kWh)

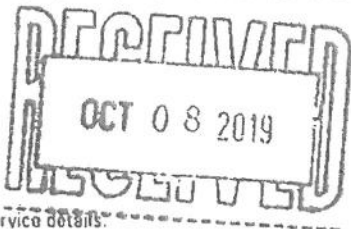
So far this year, you're using 24.3% less than last year.



Usage from Jan-Oct for 2018 & 2019

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GL Acct#: 4175

Signature: [Signature]

Date: 10/8/19

See next page for service details.

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Page 1 of 4



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Amount Due	Due Date
\$194.48	October 29, 2019
Delinquent Amount After Due Date	Account Number
\$197.40	5580005920

Amount Enclosed \$

>000104 6200720 0002 092139 102

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

AMEREN MISSOURI
PO BOX 88068
CHICAGO IL 60680-1068

10633000 0055800059200 000000194480 000000194480



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Electric Service Details

Service from 09/05/2019 - 10/06/2019 (31 days)

Electric Meter Read

METER NUMBER	SERVICE FROM - TO	NO. DAYS	USAGE TYPE	READING TYPE	CURRENT READING	PREVIOUS READING	READING DIFFERENCE	MULTIPLIER	USAGE
98041275	09/05 - 10/06	31	Total kWh	Actual	19333.0000	19089.0000	244.0000	10.0000	2440.0000
98041275	09/05 - 10/06	31	Peak kW	Actual	4.0660	0.0000	4.0660	10.0000	40.6600

Usage Summary

Total kWh	2440.0000	Base kWh	1680.0000
Winter Base kWh	1680.0000	Current October Base kWh	1680.0000
Seasonal kWh	760.0000		

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

Threshold - Peak Demand

DESCRIPTION	USAGE	UNIT		RATE	CHARGE
Base Energy Charge	1,680.00	kWh	@	\$ 0.08360000	\$140.45
Seasonal Energy Charge	760.00	kWh	@	\$ 0.04820000	\$36.63
Customer Charge					\$21.43
Fuel Adjustment Charge	2,440.00	kWh	@	\$ 0.00136000	\$3.32
Energy Efficiency Program Charge	2,440.00	kWh	@	\$ 0.00010000	\$0.24
Energy Efficiency Investment Charge	2,440.00	kWh	@	\$ 0.00542000	\$13.23
Federal Tax Rate Reduction	2,440.00	kWh	@	\$ -0.00581000	\$ -14.18
Total Service Amount					\$194.48
Total Electric Charges					\$194.48

Payments Since Previous Statement

DATE RECEIVED	AMOUNT
September 24, 2019	\$50.02

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

Page 2 of 4

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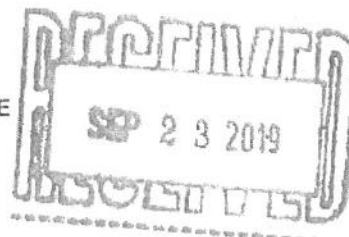
INVOICE

INVOICE NO.	PAGE NO.
013545	1 of 1
CUSTOMER NO.	DATE
1053309	09/18/19

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

BILL TO: 1053309
745 1 MB 0.428 E0385X I0825 05291661750 S2 P6751136 0001:0001

SHIP TO: 1



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

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

Ordered by: 0001 GARY HUTCHCRAFT

Attention: 0001 GARY HUTCHCRAFT

CUSTOMER P.O. NO.	SHIP DATE	SLP	TERMS	TAX CODE	SALES ORDER NO.	W/H	FREIGHT	SHIP VIA
VERBAL GARY	09/18/19	DLK	NET 30	MOEXEMPT	729705	01	FXD/PPD	UPS
SA STOCK NO.	DESCRIPTION	ORDERED	SHIPPED	BACKORDER	U/M	PRICE	PER	EXTENSION
111	IntelliCAL Ammonia Electrode ISENH318101 SDS VISIT WWW.USABLUEBOOK.COM ITEM IN STOCK	1	1	0	EA	690.65	EA	690.65
184	IntelliCAL LBOD Probe LBOD10101 ITEM IN STOCK	1	1	0	EA	1,009.85	EA	1,009.85
DP	Toolsie Pops ASSORTED				EA	0.00	EA	0.00
REPLACEMENT AMMONIA & BOD PROBES								
GL Acct#: 4000								
Signature: Gary Hutchcraft								
Date: 9/23/19								

THANK YOU for your business!
1.6% MONTHLY FINANCE CHARGE
ON AMOUNTS 30 DAYS PAST DUE
Discounts Apply to Merchandise Only

MERCHANDISE	MISCELLANEOUS	DISCOUNT	TAX	FREIGHT	TOTAL
1,700.50	0.00	0.00	0.00	26.58	1,727.08

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

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

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****IMPORTANT****

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

INVOICE NO.	CUSTOMER NO.	DATE	TOTAL
013545	1053309	09/18/19	1,727.08

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

REMITTANCE ADDRESS

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

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

Account Number	Account Name	9/30/2019					Percent YTD
		2017 Actual	2018 Actual	2019 Budget	2019 Actual as of 9/30/2019	2019 September Revenue	
3020	Osage Beach	478,614.41	480,784.67	478,500.00	356,038.04	39,567.43	74%
3010	Lake Ozark	71,385.58	69,215.30	71,500.00	56,461.95	6,265.43	79%
3030	Misc.	0.00	1,485.00	0.00	0.00	0.00	
3100	Interest	781.57	1,484.82	400.00	1,722.57	195.54	431%
3060	Waste Haulers' Fee	30,500.00	25,780.00	30,000.00	19,660.00	2,200.00	66%
Total Operating Fund		581,281.56	578,749.79	580,400.00	433,882.56	48,228.40	75%
E/R Fund Income		2,319.07	4,281.74	3,000.00	3,085.78	116.75	103%
TOTAL INCOME		583,600.63	583,031.53	583,400.00	436,968.34	48,345.15	75%

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MONTH-TO-DATE AND YEAR-TO-DATE
EXPENDITURE/BUDGET ANALYSIS
9/30/2019

Account Number	Account Name	2017 Actual	2018 Actual	2019 Budget	2019 Actual as of 9/30/2019	2019 September Expenses	Percent YTD
4000	Equipment Replace Fund	41,604.17	41,604.17	41,604.00	31,203.00	3,467.00	75%
4020	*Maintenance & Repair	129,789.11	9,713.86	122,000.00	91,351.65	1,040.47	75%
4140	Insurance	17,144.00	18,475.25	19,030.25	18,624.00	0.00	98%
4150	Vehicle Repair/Maint	12,047.61	3,887.47	8,000.00	1,334.59	0.00	17%
4160	Haulers Fees to Contract	8,000.00	8,000.00	0.00	0.00	0.00	
4170	Contract Management	311,229.84	319,010.64	299,592.00	224,694.00	24,966.00	75%
4175	Electric	69,261.90	79,533.37	80,000.00	58,851.47	10,065.64	74%
4176	Utilities Misc	0.00	0.00	5,000.00	2,275.35	235.14	46%
4190	Bank Charges	24.35	24.00	60.00	58.80	5.00	0%
4200	Audit	2,200.00	2,300.00	2,400.00	2,400.00	0.00	100%
4220	Professional Service	1,200.00	0.00	0.00	0.00	0.00	0%
4240	Capital Purchases	0.00	0.00	152,000.00	86,106.00	71,755.00	57%
Totals		592,500.98	482,548.76	729,686.25	516,898.86	111,534.25	71%
**E/R Expenses		7,554.68	42,782.61	96,500.00	17,870.28	7,493.87	19%
TOTAL EXPENSES		600,055.66	525,331.37	826,186.25	534,769.14	119,028.12	65%

****Equipment & Replacement**

Rebuild Ducking Skimmer Arm	5,000.00	
Replace BOD & Ammonia probes	2,000.00	X
Replace grit concentrator, volute & cart for pista	15,000.00	X
Replace wooden doors	2,000.00	
Replace impellers for RAS pumps	7,500.00	X
Replace LED parking lot light	10,000.00	2019
Replace electric panel & pump	15,000.00	2019
Replace electric panel in RAS	40,000.00	2019
	96,500.00	

***Maintenance & Repair**

Auto Dialer Yrly Main Fee	500.00
Effluent Testing for Permit Renewal	1,500.00
Normal Maintenance	8,000.00
UV Spare Parts	8,000.00
Road and parking lot main.	4,000.00
#2 Aeration Basin repair valves lab testing	100,000.00
Sandblast & paint Clarifier #3	-
CARRYOVER 2018 \$68,900	-
	122,000.00

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OPERATING FUND INCOME AND EXPENSE SUMMARY
9/30/2019

Beginning Balance	354,391.97
Income - Osage Beach	39,567.43
Income - Lake Ozark	6,265.91
Income - Other	-
Income - Waste Haulers' Fees	2,200.00
Interest - Checking	12.50
Income - CD Interest	183.04
Transfers From E/R Fund	-
Transfers to E/R Fund	(3,467.00)
Expenses	(107,850.53)
Ending Fund Balance	291,303.32
Central Bank - NOW Acct.	90,154.69
	-
CD First Bank of the Lake, 11/19 #101318432	101,830.00
CD Central Bank, 1/20 #151763	100,000.00
	-
Outstanding Checks:	(681.37)
	291,303.32

EQUIPMENT REPLACEMENT FUND INCOME AND EXPENSE SUMMARY
9/30/2019

Beginning Balance	548,124.50
Interest - Checking	-
Income - CD Interest	116.75
Transfers to E/R Fund	3,467.00
Income - Miscellaneous	-
Expenses	(7,493.87)
Ending Fund Balance	544,214.38
First Bank of the Lake - Money Mkt.	134,150.33
CD Providence Bank, 8/20 #1268880	206,532.10
CD First Bank of the Lake, 11/19 #101318431	100,000.00
CD First Bank of the Lake, 04/20 #101318430	103,531.95
	-
Outstanding Checks:	-
	544,214.38

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CHECK REGISTER - JOINT SEWER BOARD OPERATION FUND

	reconciled balance 7/31/19			146,079.10
126	Equipment Replacement Fund	X	3,467.00	142,612.10
127	Core & Main	X	250.60	142,361.50
128	Jani-King	X	195.00	142,166.50
129	Magruder Co.	X	1,526.58	140,639.92
130	Menards	X	62.42	140,577.50
131	Municipal Equipment Co.		423.27	140,154.23
132	USA Blue Book	X	711.37	139,442.86
133	Alliance Water Resources, Inc.	X	24,966.00	114,476.86
134	Ameren MO	X	10,065.64	104,411.22
135	Republic Services	X	142.68	104,268.54
136	AT&T	X	93.30	104,175.24
137	Menards	X	22.99	104,152.25
138	Crown Power & Equip	X	49.69	104,102.56
139	O'Reilly Auto	X	44.50	104,058.06
140	JCI Industries	X	349.06	103,709.00
	Two signature verification chg.	X	3.00	103,706.00
	Deposit LO	X		6,332.83
	Deposit OB	X		39,500.50
	Deposit HAULING	X		2,820.00
	Interest	X		202.64
	reconciled balance 8/31/19			152,561.97
141	Martin Energy Group Serices, LLC	X	71,755.00	80,806.97
142	Equipment Replacement Fund	X	3,467.00	77,339.97
143	Jani-King	X	195.00	77,144.97
144	Menards	X	56.97	77,088.00
145	Mission Comm	X	407.40	76,680.60
146	University of MO Ext. County	X	123.00	76,557.60
147	Clark Tire Co.	X	65.00	76,492.60
148	Alliance Water Resources, Inc.	X	24,966.00	51,526.60
149	Ameren MO	X	9,783.92	41,742.68
150	Republic Services	X	144.29	41,598.39
151	AT&T	X	90.85	41,507.54
152	Roemer's Heavy Equip		258.10	41,249.44
	Two signature verification chg.	X	5.00	41,244.44
	Deposit LO	X		6,265.91
	Deposit OB	X		39,567.43
	Deposit HAULING	X		700.00
	Deposit HAULING	X		1,500.00
	Interest	X		195.54
	reconciled balance 9/30/19			89,473.32



Central Bank of Lake of the Ozarks

MEMBER FDIC

P.O. Box 4500, Jefferson City, MO 65102
(573) 348-2761

RETURN SERVICE REQUESTED

OSB011001011 OSB001

LAKE OZARK OSAGE BEACH JOINT SEWER
TREATMENT PLANT BOARD
LAKE OZARK OSAGE BEACH JOINT SEWER TRMT
1000 CITY PKWY
OSAGE BEACH MO 65065-3058

Period 09/01/2019 - 09/30/2019 Page 1 of 3

Web Address
www.centralbank.net

M
OC

Your Financial Summary on September 30, 2019

Bank Deposit Accounts:	Bank Deposits	Totals
Checking	\$ 90,154.69	
Certificates of Deposit	\$ 100,000.00	
Bank Deposit Total		\$ 190,154.69
Total Assets:	\$ 190,154.69	\$ 190,154.69

Detailed Explanation of Account Balances and Other Assets

Basic Plus Interest Checking

No. 000007297 Beginning Balance August 30, 2019 \$ 152,985.24

Deposits

Sep. 17 Deposit		6,265.91
Sep. 17 Deposit		39,567.43
Sep. 18 Deposit		700.00
Sep. 18 CD Interest 000151763		183.04
Sep. 27 Deposit		1,500.00
Sep. 30 Interest Earned		12.50

Total +\$ 48,228.88

Checks

Check No.	Date Paid	Amount	Check No.	Date Paid	Amount
141	Sep. 06	71,755.00	147	Sep. 23	65.00
142	Sep. 19	3,467.00	148	Sep. 19	24,966.00
143	Sep. 23	195.00	149	Sep. 25	9,783.92
145	Sep. 26	407.40	150	Sep. 25	144.29
146	Sep. 20	123.00	151	Sep. 24	90.85

Total -\$ 110,997.46

Withdrawals and other charges

Date	Type	Transaction Description	
Sep. 03	08/2019 TWO SIGNATURE VERI		5.00
Sep. 20	MENARDS LAKE OZA8662377650 144		56.97
Total			- \$ 61.97

Ending Balance September 30, 2019 \$ 90,154.69

CHECK REGISTER - JOINT SEWER BOARD EQUIPMENT REPLACEMENT FUND

	reconciled balance 5/31/19			130,336.02
1031	Eastech Flow Controls, Inc.	X	3,009.00	127,327.02
	Interest	X	100.74	127,427.76
	Deposit	X	3,467.00	130,894.76
	reconciled balance 6/30/19			130,894.76
	Interest	X	120.40	131,015.16
	Deposit	X	3,467.00	134,482.16
	reconciled balance 7/31/19			134,482.16
	Interest	X	111.29	134,593.45
	Deposit	X	3,467.00	138,060.45
	reconciled balance 8/31/19			138,060.45
1032	TG Technical Services	X	494.87	137,565.58
1033	Letts, Van Kirk & Assoc.	X	6,999.00	130,566.58
	Interest	X	116.75	130,683.33
	Deposit	X	3,467.00	134,150.33
	reconciled balance 9/30/19			134,150.33



4558 Osage Beach Parkway
Suite 100
Osage Beach, MO 65065

RETURN SERVICE REQUESTED

LAKE OZARK-OSAGE BEACH JOINT SEWER
TREATMENT PLANT BOARD
1000 CITY PKWY
OSAGE BEACH MO 65065 3058

Statement Ending 09/30/2019

Managing Your Accounts



Phone Number 573-348-2265



Mailing Address 4558 Osage Beach Parkway
Suite 100
Osage Beach, MO 65065



Online Banking www.FirstBankLake.com

Account Summary

Date	Description	Amount
08/31/2019	Beginning Balance	\$138,060.45
	2 Credit(s) This Period	\$3,583.75
	2 Debit(s) This Period	\$7,493.87
09/30/2019	Ending Balance	\$134,150.33

Interest Summary

Description	Amount
Annual Percentage Yield Earned	1.00%
Interest Days	31
Interest Earned	\$116.75
Interest Paid This Period	\$116.75
Interest Paid Year-to-Date	\$1,089.94
Minimum Balance	\$0.00
Average Available Balance	\$137,468.51

Deposits

Date	Description	Amount
09/18/2019	DEPOSIT	\$3,467.00

Date	Description	Amount
09/30/2019	INTEREST	\$116.75

Checks Cleared

Check Nbr	Date	Amount	Check Nbr	Date	Amount
1032	09/30/2019	\$494.87	1033	09/23/2019	\$6,999.00

* Indicates skipped check number

Daily Balances

Date	Amount	Date	Amount
09/18/2019	\$141,527.45	09/23/2019	\$134,528.45
		09/30/2019	\$134,150.33

Overdraft and Returned Item Fees

	Total for this period	Total year-to-date
Total Overdraft Fees	\$0.00	\$0.00
Total Returned Item Fees	\$0.00	\$0.00

**LAKE OZARK - OSAGE BEACH JOINT SEWER TREATMENT PLANT
2020 BUDGET WORKSHEET
REVENUE**

Operating Fund	2017 Actual	2018 Actual	2019 Budget	2019 9/30/2019	2019 Oct/Nov/Dec	2019 Total Est.	2020 Proposed	2020 Proposed
3020 Osage Beach	478,614.41	480,784.67	478,500.00	356,038.04	116,961.96	473,000.00	473,000.00	
3010 Lake Ozark	71,385.58	69,215.30	71,500.00	56,461.95	20,538.05	77,000.00	77,000.00	
3030 Misc.		1,485.00						
3100 Interest	781.57	1,708.83	400.00	1,722.57	400.00	2,122.57	1,400.00	
3060 Waste Haulers'	30,500.00	25,780.00	30,000.00	19,660.00	8,000.00	27,660.00	29,000.00	
Total Operating	581,281.56	578,973.80	580,400.00	433,882.56	145,900.01	579,782.57	580,400.00	
Equipment Replace.								
Transfers-Oper:	41,604.17	41,604.00	41,606.04	31,203.00	10,401.51	41,604.51	41,606.04	
Interest Revenue	2,319.07	5,348.41	3,000.00	3,085.78	1,000.00	4,085.78	4,000.00	
Total E.R. Reve	43,923.24	46,952.41	44,606.04	34,288.78	11,401.51	45,690.29	45,606.04	

**LAKE OZARK - OSAGE BEACH JOINT SEWER TREATMENT PLANT
2020 BUDGET WORKSHEET
EXPENDITURES**

	2017 Actual	2018 Actual	2019 Budget	2019 9/30/2019	2019 Oct/Nov/Dec	2019 Total Est.	2020 Proposed	2020 Proposed
4000 Equip. Replace Fund	41,604.17	41,604.00	41,604.00	31,203.00	10,401.00	41,604.00	41,604.00	
4020 Equip & Bldg. Repair/Main.	129,789.11	9,713.86	122,000.00	91,351.65	30,648.35	122,000.00	188,000.00	*
4140 Insurance	17,144.00	18,475.25	19,030.25	18,624.00	137.00	18,761.00	19,200.00	3%
4150 Vehicle Repair/Main.	12,047.61	3,887.47	8,000.00	1,334.59	5,800.00	7,134.59	10,000.00	***
4160 Haulers Fees to Contractor	8,000.00	8,000.00	0.00	-	-	-	-	
4170 Contract Management	311,229.84	319,010.64	299,592.00	224,694.00	74,898.00	299,592.00	308,580.00	3%
4175 Electric	69,261.90	79,533.37	80,000.00	58,851.47	15,163.00	74,014.47	75,000.00	
4176 Utilities Misc.	0.00	0.00	5,000.00	2,275.35	1,500.00	3,775.35	3,100.00	
4190 Bank Charges	24.35	24.00	60.00	58.80	15.00	73.80	75.00	
4200 Audit	2,200.00	2,300.00	2,400.00	2,400.00	-	2,400.00	2,500.00	
4220 Professional Services	1,200.00	0.00	0.00	-	-	-	-	
4240 Equipment Purch-New Generator	0.00	0.00	152,000.00	86,106.00	57,404.00	143,510.00	-	
Total Operating Fund	592,500.98	482,548.59	729,686.25	516,898.86	195,966.35	712,865.21	648,059.00	
E/R Expenses per Alliance Disinfectin System	7,554.68	42,782.61	96,500.00	17,870.28	65,000.00	82,870.28	264,500.00	**
Total E.R. Fund	7,554.68	42,782.61	96,500.00	17,870.28	65,000.00	82,870.28	264,500.00	
TOTAL EXPENSES	600,055.66	525,331.20	826,186.25	534,769.14	260,966.35	795,735.49	912,559.00	

****Equipment & Replacement**

Sludge Trk - Highway style 35	175,000.00	Tier 3
Pista Grit Suction tube	5,500.00	Tier 1
Replace lift station pump	8,000.00	Tier 1
Impeller & volute wear ring for	3,000.00	Tier 1
Ducking skimmer arm mechar	12,000.00	Tier 1
Replace winch for pulling lift st	3,000.00	Tier 1
Rebuilt Ducking skimmer arm	5,000.00	Tier 1
Replace wooden doors w/fiber	2,000.00	Tier 1
Repair/replace roof on headw	45,000.00	Tier 1
Replacement lawn mower	6,000.00	Tier 2
	264,500.00	

*****Vehicle Repair/Maint**

Vehicle Maintenance	10,000.00	Tier 1
	10,000.00	

***Maintenance & Repair**

Auto Dialer Yrly Software Fee	500.00	Tier 1
Regular Maintenance - Plant	11,000.00	Tier 1
UV Spare Parts	10,000.00	Tier 1
Road and parking lot main	2,000.00	Tier 1
Chainlink fence repair	4,000.00	Tier 1
Box of BOD bottles	500.00	Tier 1
#2 Aeration Basin repair vives lab testing	100,000.00	Tier 2
Sandblast & paint clarifier #2	60,000.00	Tier 2
	188,000.00	

ESTIMATED FUND BALANCES

OPERATING FUND

BALANCE 1/1/19	374,323.00
TOTAL ESTIMATED REVENUE	579,782.57
TOTAL ESTIMATED EXPENSES/TRANSFERS	<u>(712,865.21)</u>
BALANCE 12/31/19	241,240.36
TOTAL ESTIMATED REVENUE	580,400.00
TOTAL ESTIMATED EXPENSES/TRANSFERS	<u>(648,059.00)</u>
BALANCE 12/31/20	<u>173,581.36</u>

EQUIPMENT REPLACEMENT FUND

BALANCE 1/1/19	527,796.00
TOTAL ESTIMATED REVENUE/TRANSFERS	45,690.29
TOTAL ESTIMATED EXPENSES	<u>(82,870.28)</u>
BALANCE 12/31/19	490,616.01
TOTAL ESTIMATED REVENUE/TRANSFERS	45,606.04
TOTAL ESTIMATED EXPENSES	<u>(264,500.00)</u>
BALANCE 12/31/20	<u>271,722.05</u>

CAPITAL IMPROVEMENT ITEM DESCRIPTIONS
For Consideration
BUDGET YEAR 2020

TIER 1

			Notes
1 Annual fee for Mission autodialer (software fee)	(estimated)	\$500	Annual Fee
2 Regular Plant & Vehicle Maintenance \$11,000 & \$4,000 which includes diesel & maintenance agreement for generator	(estimated)	\$15,000	Annual Maint.
3 UV Bulbs, Quartz Sleeves and Spare Parts	(estimated)	\$10,000	Annual Maint.
4 Pista Grit Suction tube	(estimated)	\$5,500	New
5 Replacement lift station pump	(estimated)	\$8,000	New
6 Impeller & volute wear ring for existing Flygt pump	(estimated)	\$3,000	New
7 Ducking skimmer arm mechanism	(estimated)	\$12,000	New
8. Tires for sludge truck	(estimated)	\$6,000	New
9. Replacement Winch for pulling lift station pumps & clarifier skimmers	(estimated)	\$3,000	New
10 Rebuild Ducking Skimmer Arm & Arm Supports on Clarifier #2	(estimated)	\$5,000	Carryover
11. Replace wooden doors w/ fiberglass doors, a couple per year	(estimated)	\$2,000	Carryover
12 Rock for the Road	(estimated)	\$2,000	Annual Maint
13. Repair/Replace roof on Headworks and other buildings	(estimated)	\$45,000	New
14. Chainlink fence repair	(estimated)	\$4,000	New
15 Box of BOD bottles	(estimated)	\$500	New
Estimated Tier 1 Total		\$121,500	

TIER 2

1 Replacement lawn mower	(estimated)	\$6,000	New
2 Take #2 Aeration Basin down, removal of grit by Contractor, repair or replace valves and all required lab testion on grit	(estimated)	\$100,000	New - Carryover
3 Sandblast and Paint clarifier #2	(estimated)	\$60,000	New
Estimated Tier 2 Total		\$166,000	

Informational TIER 3

1. Option 1 - New replacement highway style sludge truck w/ 3500 gallon tank	(estimated)	\$175,000	New - Carryover
---	-------------	-----------	-----------------

**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 September 2019

Submitted by Alliance Water Resources, Inc. for the

October 2019

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	1.1	1.5	N/A	< 20		0.04	< 4.9	< 1.0
Peak Day	1.2	1.8	7.9	< 20		0.05	< 4.9	< 1.0
Percent Removal	99.3	99.4	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 1.830 MGD or 61% of Permitted flow with Lake Ozark contributing 13% of the total flow and Osage Beach contributing 87%. 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 76803 pounds of BOD.

BIOSOLIDS APPLICATION AND INVENTORY

Plant personnel land applied 58 tanker loads of bio-solids during the month equivalent to a total of 214,600 gallons and 62,487 pounds dry weight solids.

309,937 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 495,000 gallons with a level of 7.0 feet in Tank 1 and 4.0 feet in Tank 2.

WASTEHAULERS

The plant received 22 loads of septage during the month totaling 55,000 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)
- The alternator on the sludge truck quit working on the 18th of September so we took it to Roemer, and he had to order one and got it in and installed on the 20th.
- The brakes on the sludge truck started locking up on us on the 27th of September. Our regular mechanic Roemer is on vacation until mid-October, so we called in Tom Irwin and he found that the air switchover valve in the rear and one of the front air pods were bad. He ordered replacement parts and came back out on 30th and got us back going. While he was here I had him check out the AC and he said it needed an inline switch and has ordered the part but hasn't come in yet.

SAFETY

- We conducted our monthly routine Safety Meeting on Confined Space Safety on the 26th of September.

REGULATORY AGENCY, INSPECTION AND REPORTS

- We filled out the EDMR on MDNR's website on the 4th of October.

MISCELLANEOUS AND RECOMMENDATIONS

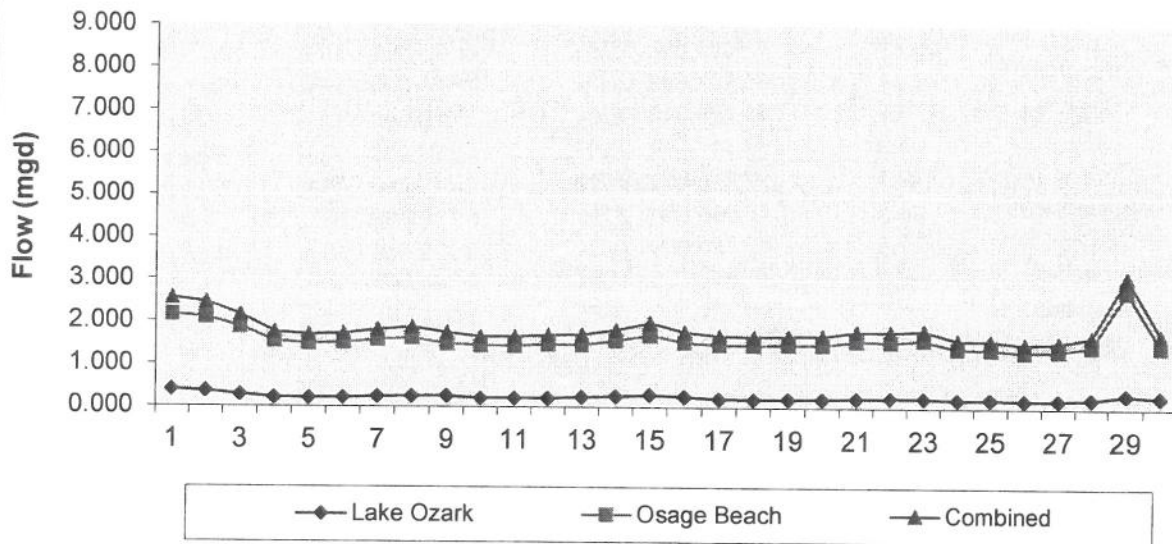
- We solicited bids for the purchase of a mini pro tailgate spreader for the Ford pickup. See attached bid sheet.

TABLE A
LAKE OZARK/OSAGE BEACH WWTP

MONTH OF September 2019

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-Sep	0	0.400	2.161	2.561	15.6	84.4						
2-Sep	0	0.359	2.100	2.459	14.6	85.4						
3-Sep	0	0.290	1.871	2.161	13.4	86.6						
4-Sep	0	0.211	1.545	1.756	12.0	88.0						
5-Sep	0	0.204	1.482	1.686	12.1	87.9						
6-Sep	0	0.216	1.506	1.722	12.5	87.5	183	168	140	128	152	172
7-Sep	0	0.234	1.578	1.812	12.9	87.1						
8-Sep	0	0.249	1.623	1.872	13.3	86.7						
9-Sep	0.25	0.258	1.488	1.746	14.8	85.2						
10-Sep	0	0.208	1.445	1.653	12.6	87.4						
11-Sep	0	0.209	1.441	1.650	12.7	87.3						
12-Sep	0	0.209	1.478	1.687	12.4	87.6						
13-Sep	0	0.233	1.473	1.706	13.7	86.3	258	188	213	254	170	318
14-Sep	0	0.256	1.566	1.822	14.1	85.9						
15-Sep	0.0	0.291	1.694	1.985	14.7	85.3						
16-Sep	0	0.249	1.527	1.776	14.0	86.0						
17-Sep	0	0.208	1.476	1.684	12.4	87.6						
18-Sep	0	0.194	1.471	1.665	11.7	88.3						
19-Sep	0	0.202	1.483	1.685	12.0	88.0						
20-Sep	0	0.206	1.475	1.681	12.3	87.7	408	170	190	506	136	282
21-Sep	0	0.219	1.569	1.788	12.2	87.8						
22-Sep	0	0.231	1.554	1.785	12.9	87.1						
23-Sep	0.7	0.229	1.593	1.822	12.6	87.4						
24-Sep	0	0.199	1.396	1.595	12.5	87.5						
25-Sep	0	0.209	1.379	1.588	13.2	86.8						
26-Sep	0	0.186	1.321	1.507	12.3	87.7						
27-Sep	0	0.192	1.352	1.544	12.4	87.6	343	163	128	350	152	174
28-Sep	0	0.219	1.465	1.684	13.0	87.0						
29-Sep	2.5	0.326	2.765	3.091	10.5	89.5						
30-Sep	0	0.269	1.455	1.724	15.6	84.4						
SUM	3.5	7.165	47.732	54.897								
AVG		0.239	1.591	1.830	13	87	298	172	168	310	153	237
NOTE: BOLD PRINT INDICATES WEEKEND DAYS												

**Daily Flow
Figure 1**



**Effect of Rainfall on Flow
Figure 2**

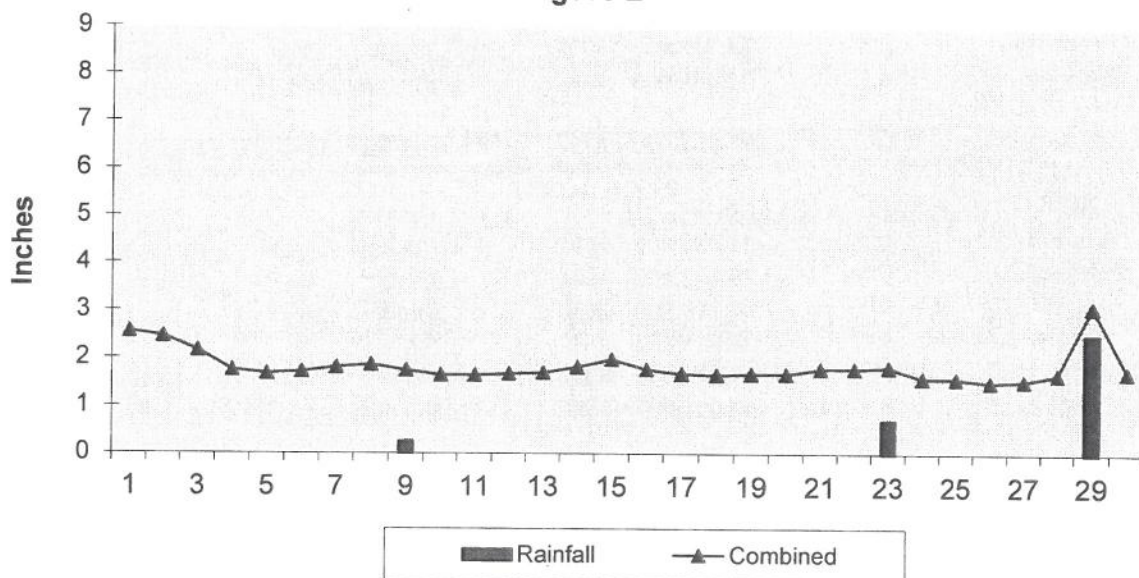
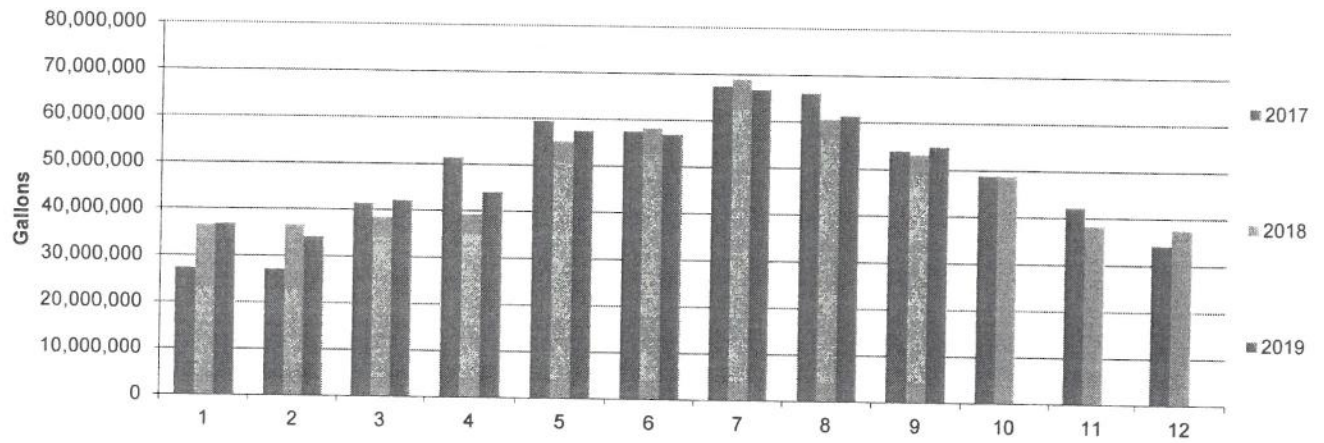


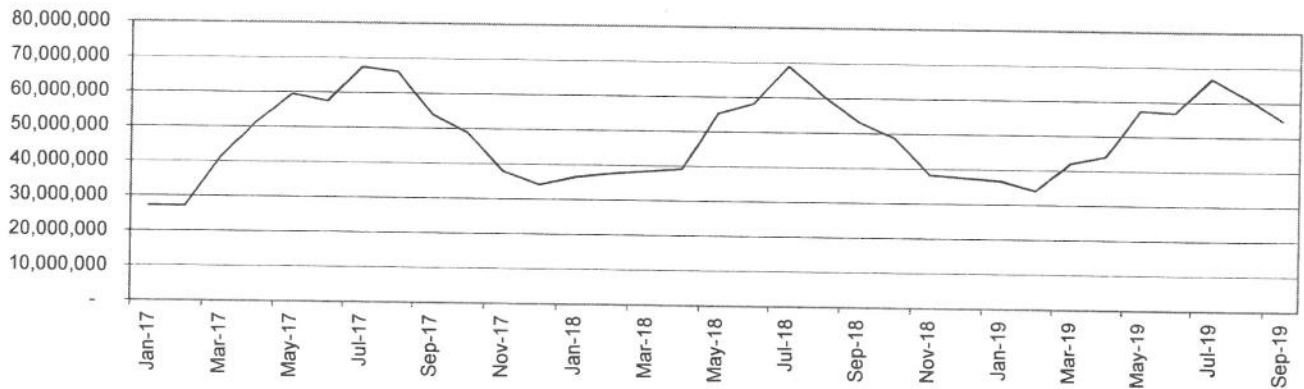
TABLE B
JOINT SEWER BOARD
Monthly Flows

<u>2017</u>	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	2.5	23,440,000	86%	3,909,000	14%	27,349,000	100%
February	0.7	23,345,000	86%	3,812,000	14%	27,157,000	100%
March	3.8	36,554,000	88%	4,844,000	12%	41,398,000	100%
April	9.8	44,665,000	87%	6,723,000	13%	51,388,000	100%
May	8.1	51,527,000	87%	7,979,000	13%	59,506,000	100%
June	2.9	50,926,000	88%	6,618,000	12%	57,544,000	100%
July	5.2	59,347,000	88%	8,092,000	12%	67,439,000	100%
August	12.4	57,736,000	87%	8,409,000	13%	66,145,000	100%
September	1.5	47,096,000	87%	6,866,000	13%	53,962,000	100%
October	7.4	42,489,000	87%	6,332,000	13%	48,821,000	100%
November	0.5	37,947,000	90%	4,244,000	10%	42,191,000	100%
December	0.9	30,459,000	89%	3,808,000	11%	34,267,000	100%
	55.6	505,531,000	88%	71,636,000	12%	577,167,000	100%
<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						-	
November						-	
December						-	
	46.8	392,425,000	86%	62,078,000	14%	454,503,000	100%

Monthly Influent Flow
Figure 3A

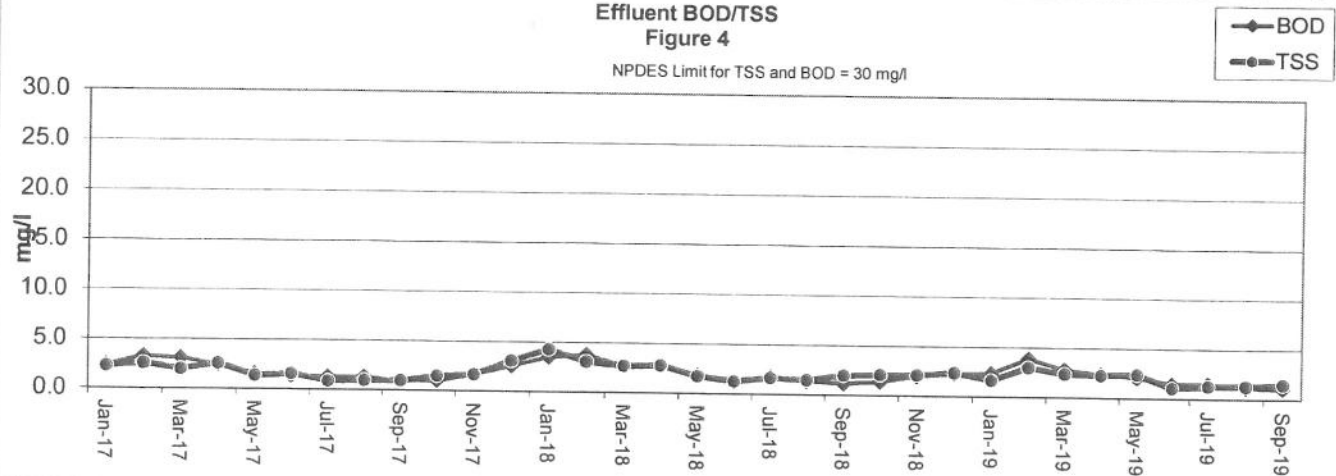


Monthly Influent Flow
Figure 3B

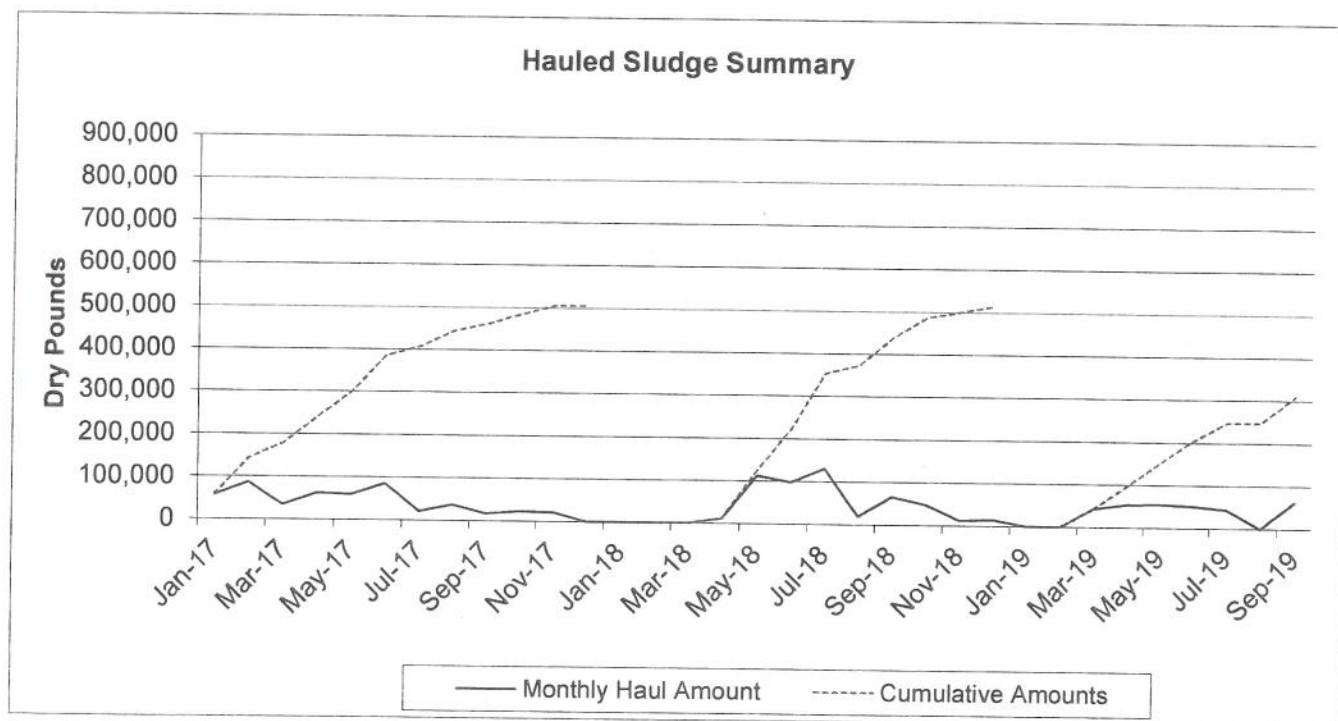
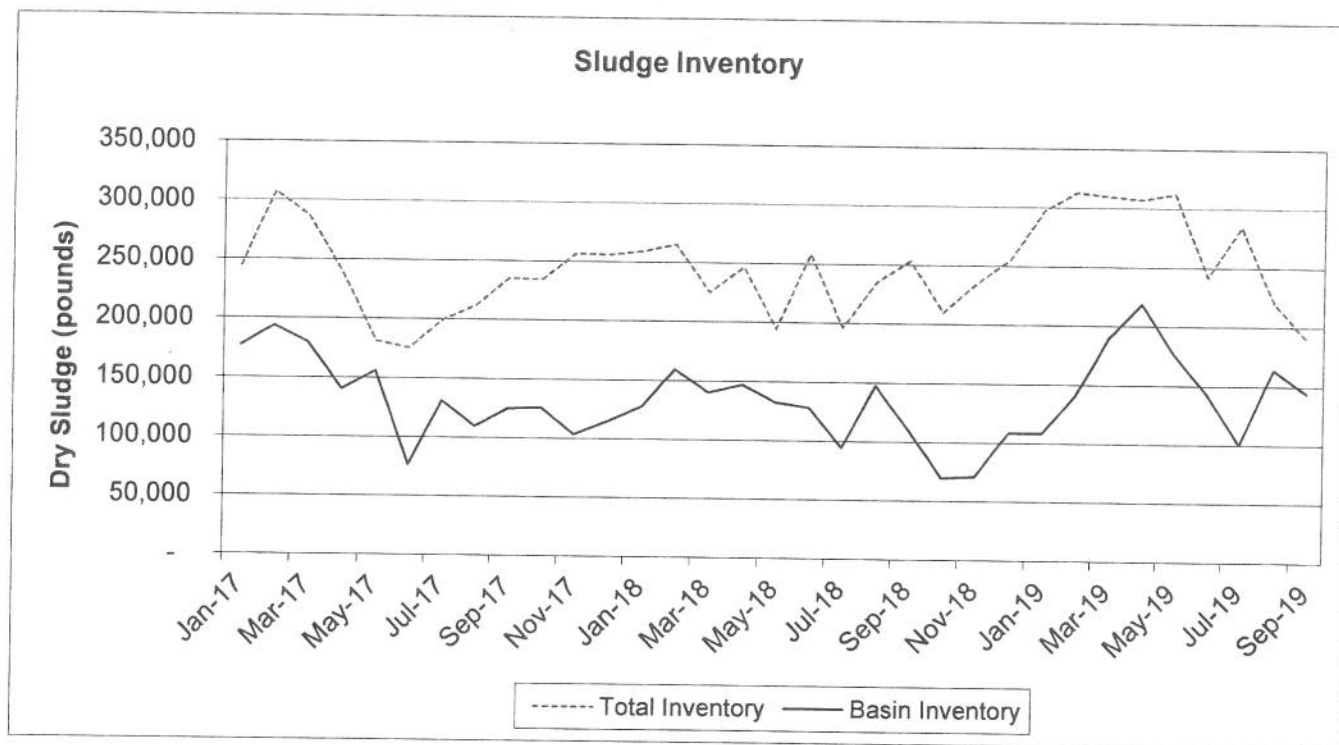


Effluent BOD/TSS
Figure 4

NPDES Limit for TSS and BOD = 30 mg/l



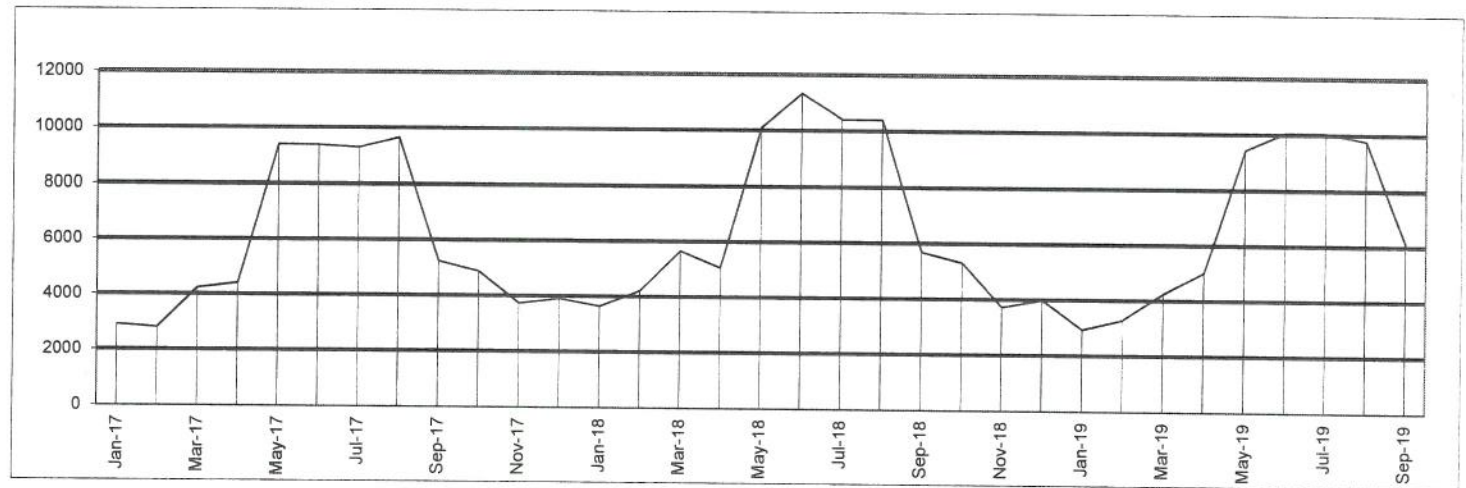
Hauled Sludge						Basin Depths					Blanket Depths			MLSS Inventory		Blanket and MLSS Inventory		MLSS	Total Dry	Accepted Septage	
Loads	Gallons	# Dry	% Solids	Annual	Cumulative # Dry	Tank #1	Tank #2	AB #1	Basin Gallons	# Dry	Clarif #1	Clarif #2	Clarif #3	MLSS AB #1	MLSS AB #2	Gallons	# Dry	% Solids	Sludge Inventory	Loads	Gallons
Jan-17	47	173,000	56,748	3.9%	56,748	6.0	6.0	0.0	540,000	177,132	1.0	0.0	1.0	-	5,080	1,861,190	78,853	0.00508	255,986	15	37,500
Feb-17	68	251,600	86,649	4.1%	143,397	5.5	7.0	0.0	562,500	193,720	1.5	0.0	2.0	-	4,090	1,913,499	65,271	0.00409	258,991	5	12,500
Mar-17	33	122,100	34,808	3.4%	178,205	7.5	6.5	0.0	630,000	179,599	3.0	0.0	1.0	-	5,400	1,896,714	85,420	0.0054	265,019	41	102,500
Apr-17	59	218,300	61,994	3.4%	240,199	6.5	4.5	0.0	495,000	140,573	8.0	10.0	1.5	-	4,630	2,184,858	84,367	0.00463	224,939	8	20,000
May-17	51	188,700	59,556	3.8%	299,755	7.0	4.0	0.0	495,000	156,228	1.0	1.5	0.5	3,420	2,480	3,666,119	90,198	0.00295	246,426	45	116,000
Jun-17	75	277,500	85,724	3.7%	385,479	2.5	3.0	0.0	247,500	76,457	3.0	2.5	1.5	4,530	3,000	3,762,833	118,153	0.00377	194,610	33	82,500
Jul-17	20	74,000	21,631	3.5%	407,110	4.5	5.5	0.0	450,000	131,540	1.0	1.0	0.5	4,670	3,650	3,657,238	126,886	0.00416	258,426	43	107,500
Aug-17	39	144,300	37,030	3.1%	444,140	5.0	4.5	0.0	427,500	109,704	1.0	0.5	1.0	2,910	2,740	3,670,071	86,469	0.00283	196,173	41	103,500
Sep-17	16	59,200	17,311	3.5%	461,451	6.0	3.5	0.0	427,500	125,008	0.5	1.0	1.0	3,880	3,300	3,670,071	109,884	0.00359	234,892	48	122,000
Oct-17	20	74,000	23,051	3.7%	484,502	8.0	1.0	0.0	405,000	126,158	0.5	1.0	1.0	4,520	3,780	3,670,071	127,025	0.00415	253,182	10	23,500
Nov-17	20	74,000	21,292	3.4%	505,794	4.5	3.5	0.0	360,000	103,583	1.0	1.5	0.5	2,890	4,060	3,666,119	106,250	0.00348	209,832	7	17,500
Dec-17	0	-	0	3.4%	505,794	6.0	3.0	0.0	405,000	114,842	1.0	1.5	1.0	3,680	4,120	3,687,833	119,950	0.0039	234,792	7	17,500
Jan-18	0	-	0	3.4%	-	5.5	4.5	0.0	450,000	127,602	0.5	1.0	0.0	4,390	4,040	3,626,643	127,488	0.00422	255,090	5	12,500
Feb-18	0	-	0	3.4%	-	7.5	5.0	0.0	562,500	159,503	2.0	4.0	1.0	4,880	3,920	3,750,000	137,610	0.0044	297,113	16	40,000
Mar-18	0	-	0	3.4%	-	5.5	5.5	0.0	495,000	140,362	0.5	0.5	0.5	5,580	5,780	3,639,476	172,406	0.00568	312,769	6	15,000
Apr-18	11	40,700	12,096	3.6%	12,096	5.0	6.0	0.0	495,000	147,114	0.5	0.5	0.5	5,670	5,040	3,639,476	162,542	0.00536	309,655	8	20,000
May-18	93	344,100	112,693	3.9%	124,789	4.5	4.5	0.0	405,000	132,638	0.5	0.5	0.5	5,963	5,547	3,639,476	174,683	0.00576	307,321	10	24,500
Jun-18	88	325,000	97,758	3.6%	222,547	4.0	5.5	0.0	427,500	128,589	4.0	3.0	1.0	6,190	5,490	3,767,762	183,511	0.00584	312,100	38	95,000
Jul-18	126	466,200	131,023	3.4%	353,570	3.0	4.5	0.0	337,500	94,853	1.0	0.5	1.5	4,570	4,990	3,691,785	147,174	0.00478	242,026	42	107,000
Aug-18	12	44,400	19,441	5.3%	373,011	5.0	2.5	0.0	337,500	147,778	2.5	1.0	1.0	4,680	4,170	3,705,595	136,753	0.00443	284,531	30	75,000
Sep-18	51	188,700	66,098	4.2%	439,109	4.5	2.5	0.0	315,000	110,338	0.5	1.0	0.0	3,920	3,340	3,626,643	109,794	0.00363	220,132	45	113,500
Oct-18	38	140,600	48,447	4.1%	487,556	3.0	1.5	0.0	202,500	69,776	0.5	0.5	0.0	4,290	3,640	3,617,762	119,633	0.00397	189,409	21	59,500
Nov-18	11	40,700	12,899	3.8%	500,455	2.5	2.5	0.0	225,000	71,309	1.0	1.0	0.0	4,100	4,840	3,635,524	132,500	0.00437	203,809	8	21,500
Dec-18	14	51,800	14,688	3.4%	515,143	6.5	2.0	0.0	382,500	108,459	11.0	12.0	0.0	4,120	3,420	4,008,526	126,035	0.00377	234,494	22	55,000
Jan-19	0	-	0	3.4%	-	5.0	3.5	0.0	382,500	108,462	1.0	1.0	0.0	4,650	4,480	3,635,524	138,412	0.00457	246,874	19	46,500
Feb-19	0	-	0	3.4%	-	6.0	5.0	0.0	495,000	140,362	1.0	1.0	0.0	4,570	4,740	3,635,524	141,141	0.00466	281,503	31	79,500
Mar-19	36	133,200	43,139	3.9%	43,139	6.0	7.0	0.0	585,000	189,462	0.5	1.0	0.0	4,780	3,920	3,626,643	131,571	0.00435	321,033	9	21,500
Apr-19	39	144,300	53,940	4.5%	97,079	5.5	7.5	0.0	585,000	218,676	1.5	0.5	1.0	5,720	4,530	3,678,952	157,248	0.00513	375,923	23	61,500
May-19	49	181,300	54,866	3.6%	151,945	8.0	5.0	0.0	585,000	177,036	3.0	1.5	1.0	5,150	5,160	3,723,357	160,077	0.00516	337,113	12	25,500
Jun-19	44	162,800	51,872	3.8%	203,817	7.0	3.0	0.0	450,000	143,381	2.0	4.0	1.5	5,610	4,810	3,771,714	163,886	0.00521	307,267	19	47,500
Jul-19	37	136,900	43,633	3.8%	247,450	3.0	4.0	0.0	315,000	100,397	2.0	3.0	0.5	6,060	5,830	3,710,524	183,973	0.00595	284,370	36	84,000
Aug-19	0	-	0	3.8%	247,450	5.5	6.0	0.0	517,500	164,006	5.0	3.0	0.5	5,660	5,680	3,763,810	177,982	0.00567	341,988	29	72,500
Sep-19	58	214,600	62,487	3.5%	309,937	7.0	4.0	0.0	495,000	144,134	2.0	1.0	1.0	4,460	5,310	3,696,714	150,607	0.00489	294,741	22	55,000



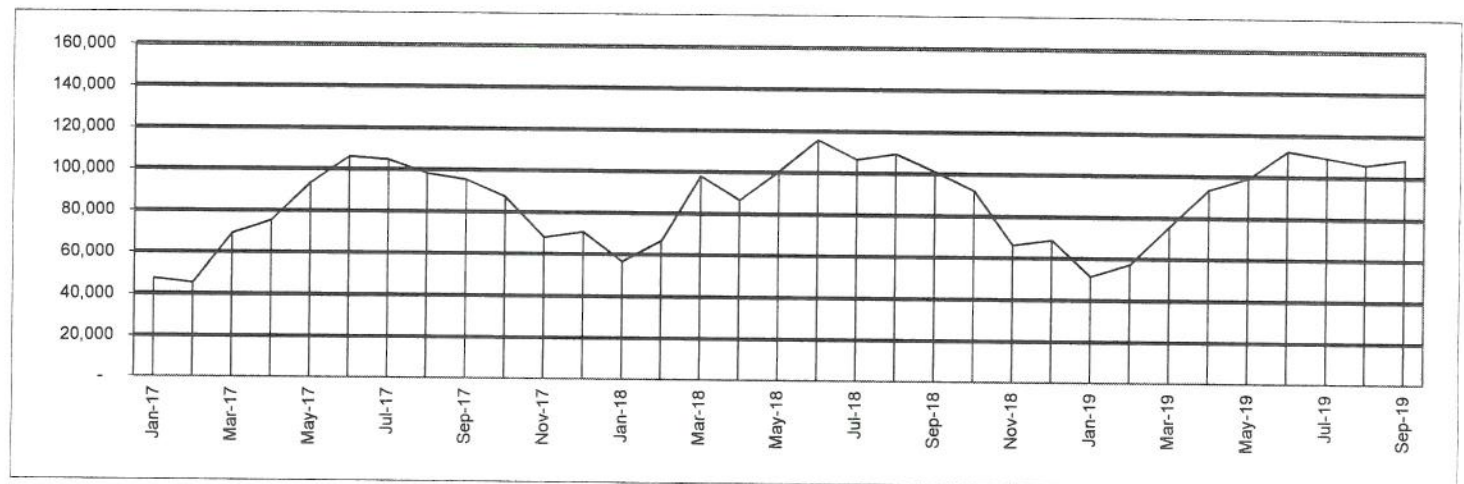
Electric Cost Kilowatts Used

Jan-17	2904	47,480
Feb-17	2796	45,240
Mar-17	4233	69,210
Apr-17	4411	75,480
May-17	9413	93,494
Jun-17	9388	106,070
Jul-17	9310	104,700
Aug-17	9666	98,220
Sep-17	5246	95,470
Oct-17	4874	87,240
Nov-17	3738	68,100
Dec-17	3909	70,820
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

Electric Cost



Kilowatts Used





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

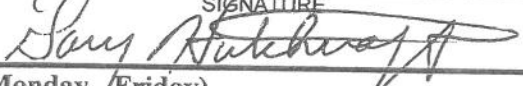
NAME OF FACILITY						LOCATION ADDRESS & CITY								COUNTY/REGION	
Lake of the Ozarks Regional WWTP #1						#3 Anderson Road								Miller/SWRO	
MONTH/YEAR		PERMIT NUMBER				OUTFALL NUMBER		TYPE TREATMENT FACILITY							
Sep-19		MO-0103241				#001		Oxidation Ditch/UV/Sludge Holding-sludge is land applied							
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	7.5			22.6	2.735	7.9				5.3		22.9			
2	7.3			22.6	2.606	7.8				5.1		22.7			
3	7.2			23.8	2.233	7.6				5.2	< 20	24.8			
4	7.2			23.1	1.754	7.7				5.7		24.5			
5	7.2			23.0	1.670	7.8			0.04	5.5		24.5			
6	7.0	140	172	24.1	1.727	7.6	1.0	1.1		5.4		24.9	99.3	99.4	
7	7.0			22.9	1.786	7.7				5.4		23.7			
8	7.2			23.2	1.869	7.7				5.3		24.0			
9	7.1			23.5	1.732	7.6				5.0	< 20	24.3			
10	7.4			23.3	1.684	7.7				5.2		24.3			
11	7.2			24.5	1.655	7.7				5.3		25.3			
12	7.1			24.0	1.672	7.8			0.05	5.3		25.1			
13	7.1	213	318	23.4	1.645	7.8	0.9	1.8		5.1		24.8	99.6	99.4	
14	7.3			21.2	1.847	7.8				5.3		22.1			
15	7.4			23.0	2.021	7.8				4.8		23.3			
16	7.2			24.9	1.768	7.7				5.1	< 20	24.7			
17	7.1			23.7	1.682	7.8				5.5		24.4			
18	7.0			23.8	1.527	7.6				5.4		24.6			
19	7.1			23.6	1.658	7.7			0.02	5.4		24.4			
20	6.9	190	282	24.3	1.643	7.5	1.1	1.6		5.3		24.9	99.4	99.4	
21	7.0			23.8	1.739	7.5				5.2		24.5			
22	6.9			23.4	1.834	7.4				5.3		24.2			
23	7.2			23.0	1.883	7.7				5.6	< 20	23.8			
24	7.2			22.7	1.706	7.8				6.2		22.9			
25	7.3			23.2	1.555	7.8				6.2		22.9			
26	7.2			22.5	1.513	7.7			0.05	6.2		22.5			
27	7.3	128	174	23.6	1.447	7.7	1.2	1.3		6.5		23.1	99.1	99.3	
28	7.0			22.9	1.683	7.8				6.2		22.8			
29	7.2			24.0	3.429	7.6				4.7		24.0			
30	7.1			24.4	2.025	7.8				6.2	< 20	25.2			
Total					55.728										
Avg		168	237	23	1.858		1.1	1.5	0.04	5.5	< 20	24.0	99.3	99.4	
Min	6.9	128	172	21	1.447	7.4	0.9	1.1	0.02	4.7	< 20	22.1	99.1	99.3	
Max	7.5	213	318	25	3.429	7.9	1.2	1.8	0.05	6.5	< 20	25.3	99.6	99.4	

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	< 4.9	< 1.0	344	319						
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
Total	< 4.9	< 1.0	344	319						
Avg	< 4.9	< 1.0	344	319						
Min	< 4.9	< 1.0	344	319						
Max	< 4.9	< 1.0	344	319						

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		1.3	5,870	820	22.8	1.4	6,040	820	22.9	68	0	7:30
2		1.1	6,230	840	22.8	1.3	5,610	800	22.8	65	0	7:30
3		1.0	6,150	820	24.2	1.0	5,930	820	24.0	70	0	7:30
4		2.4	5,530	780	24.3	2.4	5,920	810	24.3	71	0	7:30
5		1.3	5,540	830	23.8	1.3	5,850	830	23.9	64	0	7:30
6		1.3	5,510	800	24.6	1.1	5,860	830	24.6	70	0	7:30
7		1.7	5,630	820	23.5	1.6	5,450	800	23.6	64	0	7:30
8		1.5	5,580	790	23.7	1.4	5,140	680	23.8	70	0	7:30
9		1.4	5,170	760	24.1	1.3	5,700	800	24.1	68	0.25	7:30
10	4,814	1.4	5,390	770	24.3	1.4	5,710	820	24.4	75	0	7:30
11	4,444	1.4	5,580	750	25.1	1.4	5,850	780	25.0	71	0	7:30
12	4,567	1.6	5,060	650	24.8	1.3	6,090	780	24.8	70	0	7:30
13	3,240	1.7	5,690	720	24.5	1.5	6,010	750	24.7	71	0	7:30
14	2,037	1.3	5,610	780	22.4	1.4	5,100	700	22.7	59	0	7:30
15	3,703	1.3	5,480	740	23.1	1.3	5,220	710	23.3	67	0	7:30
16	5,709	1.3	5,070	700	24.5	1.2	6,080	800	24.4	69	0	7:30
17	4,629	1.8	5,290	750	24.1	1.4	6,110	800	24.2	68	0	7:30
18	6,110	1.4	5,690	610	24.2	1.5	5,050	560	24.2	68	0	7:30
19	5,092	1.2	5,210	750	24.0	1.6	4,750	640	24.1	69	0	7:30
20	2,037	1.5	5,340	750	24.5	1.3	5,280	710	24.6	70	0	7:30
21		1.5	5,090	740	24.2	1.5	5,160	700	24.3	74	0	7:30
22		1.5	4,990	710	23.9	1.6	5,250	750	24.1	70	0	7:30
23		1.3	4,980	750	23.3	1.4	5,450	800	23.3	64	0.7	7:30
24		2.7	4,950	680	22.0	2.0	5,450	800	22.4	58	0	7:30
25	3,518	3.0	5,490	760	22.7	2.4	5,210	770	22.8	64	0	7:30
26	5,740	2.9	5,750	830	22.2	3.1	5,050	720	22.4	65	0	7:30
27	6,850	3.1	5,310	750	22.8	2.1	5,130	740	22.7	67	0	7:30
28		3.4	4,600	670	22.8	3.2	5,160	780	22.8	71	0	7:30
29		1.4	3,910	480	24.1	1.1	5,030	700	23.9	72	2.5	7:30
30		2.7	4,460	600	24.8	2.0	5,310	750	24.3	71	0	7:30
COMMENTS:												

COMMENTS:

TESTS PERFORMED BY (PRINT)	SIGNATURE	PHONE #	DATE
John Hornback		(573)365-0455	10/4/2019
REPORT APPROVED BY (PRINT)	SIGNATURE	PHONE #	DATE
Gary Hutchcraft		(573)365-0455	10/4/2019

*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 1
ADDRESS: #3 Anderson Road
LAKE OZARK, MO 65049

MO0103241	001 A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD					
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FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	2019	09	01		2019	09	30

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	*****	*****	*****	1.2	1.1	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	*****	*****	*****	*****	99.1	Monthly	Calculated
Stage Type: End of Pipe	REQRMNT	*****	*****	*****	Monthly Average Minimum : 85		Monthly	Calculated
Escherichia coli (E. coli) (51040)	REPORTD	*****	*****	*****	<20	<20	Weekly	Grab
Stage Type: End of Pipe	REQRMNT	*****	*****	*****	7 Day Geometric Mean : 126	30 Day Geometric Mean : 126	Weekly	Grab
Flow, in conduit or thru treatment plant (50050)	REPORTD	3.429	1.858	*****	*****	*****	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	*****	*****	0.05	*****	0.04	Weekly	Grab
Stage Type: End of Pipe	REQRMNT	*****	*****	Daily Maximum : 6.0	*****	Monthly Average : 1.1	Weekly	Grab
Oil and grease (soxhlet extr.) tot. (00550)	REPORTD	*****	*****	<4.9	*****	<4.9	Monthly	Grab
Stage Type: End of Pipe	REQRMNT	*****	*****	Daily Maximum : 15	*****	Monthly Average : 10	Monthly	Grab
pH (00400)	REPORTD	*****	*****	7.4	*****	7.9	Weekly	Grab
Stage Type: End of Pipe	REQRMNT	*****	*****	Minimum : 6.5	*****	Maximum : 9.0	Weekly	Grab

GENERAL PERMIT REQUIREMENTS OR COMMENTS:
OUTFALL-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		7305	
Gary Hutchcraft		CERTIFICATE NUMBER	
TYPED OR PRINTED NAME		573-365-0455	
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	
Gary F Hutchcraft	Gary F Hutchcraft	2019-10-04 10:39:45	
TYPED OR PRINTED NAME		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 1
ADDRESS: #3 Anderson Road
LAKE OZARK, MO 65049

MO0103241	001 A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD					
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FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	2019	09	01		2019	09	30

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

Parameter		MASS	Unit	CONCENTRATION	Unit	FREQUENCY OF ANALYSIS	SAMPLE TYPE	LAB CODE
Selenium (Se), total recoverable (00981)	REPORTD	*****	*****	<1.0	*****	<1.0	Monthly	Grab
Stage Type: End of Pipe	REQRMNT	*****	*****	Daily Maximum : 9.1	*****	Monthly Average : 3.6	Monthly	Grab
Suspended Solids, percent removal (81011)	REPORTD	*****	*****	*****	*****	99.3	Monthly	Calculated
Stage Type: End of Pipe	REQRMNT	*****	*****	*****	*****	Monthly Average Minimum : 85	Monthly	Calculated
Total Suspended Solids (TSS) (00530)	REPORTD	*****	*****	*****	1.8	1.5	Weekly	24 Hour Composite
Stage Type: End of Pipe	REQRMNT	*****	*****	*****	Weekly Average : 45	Monthly Average : 30	Weekly	24 Hour Composite

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PARAMETER-SPECIFIC COMMENTS:

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OPERATOR IN RESPONSIBLE CHARGE		7305	
TYPED OR PRINTED NAME		CERTIFICATE NUMBER	
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		573-365-0455	
Gary F Hutchcraft	Gary F Hutchcraft	TELEPHONE	
TYPED OR PRINTED NAME		SIGNATURE	
		2019-10-04 10:39:45	
		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 1
ADDRESS: #3 Anderson Road
LAKE OZARK, MO 65049

MO0103241	SM2 A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

FROM

YEAR	MO	DAY	TO	YEAR	MO	DAY
2019	09	01		2019	09	30

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

Parameter	REPORTD	MASS	Unit	CONCENTRATION	Unit	FREQUENCY OF ANALYSIS	SAMPLE TYPE	LAB CODE
Hardness, total (as CaCO ₃) (00900)	REQRMT	*****		319	mg/L	Monthly	Grab	
Stage Type: Instream Monitoring		*****		Daily Maximum : Monitoring Required		Monthly Average : Monitoring Required	Grab	

GENERAL PERMIT REQUIREMENTS OR COMMENTS:
OUTFALL-SPECIFIC COMMENTS:
PARAMETER-SPECIFIC COMMENTS:

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OPERATOR IN RESPONSIBLE CHARGE			
Gary Hutchcraft		7305	
TYPED OR PRINTED NAME		CERTIFICATE NUMBER	
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		573-365-0455	
Gary F Hutchcraft		TELEPHONE	
TYPED OR PRINTED NAME		2019-10-04 10:39:45	
SIGNATURE		Date	

FOR SEPTEMBER 2019
month year

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

Date 10/4/2019

**Semi - Annual I & I Report
Wastewater Treatment Summary for the City of Lake Ozark
(Million Gallons)**

2019						
	April	May	June	July	August	September
L.O. Total MG	6.135	8.333	7.864	9.132	8.215	7.165
L.O. Peak MG	0.310	0.608	0.345	0.488	0.447	0.400
Avg. Daily MG	0.205	0.269	0.262	0.295	0.265	0.239
% Diff.	51%	126%	32%	65%	69%	67%
Rainfall Inches	4.1	9.9	6.0	4.8	6.0	3.5

**Semi - Annual I & I Report
Wastewater Treatment Summary for the City of Osage Beach
(Million Gallons)**

	2019					
	April	May	June	July	August	September
O.B. Total MG	37.991	49.124	49.051	57.666	53.074	47.732
O.B. Peak MG	1.640	3.358	2.011	2.307	2.509	2.765
Avg. Daily MG	1.266	1.586	1.635	1.860	1.712	1.591
% Diff.	30%	112%	23%	24%	47%	74%
Rainfall Inches	4.1	9.9	6.0	4.8	6.0	3.5



Bids for a Salt/Sand Tailgate Spreader for the Ford Pickup

Bidder	Budgeted Amount	Total Bid	Equipment
Knapheide, Quincy, IL	\$2,000.00	\$1,940.00	Western Mini Pro Tailgate Spreader TRYN SP-575X-1
		Installed	
Knapheide, St Peters, MO	"	\$1,912.00	Western Mini Pro Tailgate Spreader TRYN SP-575X-1
		Installed	
Knapheide, Jefferson City	"	\$1,737.00	Western Mini Pro Tailgate Spreader TRYN SP-575X-1
		Installed	