

**OSAGE BEACH / LAKE OZARK
JOINT SEWER BOARD MEETING
AGENDA**

**MAY 21, 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, Nick Edelman
Public Works Director, Lake Ozark, Matt Michalik
Resident Member, Mr. Gary Hamner

3. MINUTES

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Regular Meeting: April 16, 2019	3-4
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4. REPORTS

Bill List	5-21
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Income & Expense Summary	27
Check Registers & Bank Statements	29-32
 April Alliance Report of Operations	 33-49
 Approval of Flow Charts April 2019	

5. OLD BUSINESS

- A. Discussion and update on the generator project.
- B. Board Representative update

6. NEW BUSINESS

- A. Discussion and possible action for replacing the RAS Flow meter
- B. Update banking documents to add Gerry Murawski, Mayor Lake Ozark

7. ADDITIONAL DISCUSSION ITEMS

8. ADJOURNMENT

**THE NEXT MEETING WILL BE JUNE 18, 2019 4:00 PM @ LAKE OZARK CITY
HALL**

LAKE OZARK-OSAGE BEACH
JOINT SEWER BOARD
Meeting Minutes – April 16, 2019

CALL TO ORDER:

Mayor John Olivarri called the meeting to order at 4:00pm on Tuesday, April 16, 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,
Public Works Director Osage Beach, Nick Edelman - Present
Public Works Director Lake Ozark, Matt Michalik - Present
Resident Member, Mr. Gary Hamner - Present

MINUTES:

City Administrator Woods motion to approve the meeting minutes of March 18, 2019. The motion was seconded by Public Works Director Michalik. The motion passed unanimously.

REPORTS:

City Administrator Van Dee motion to approve the March bills List. The motion was seconded by Alderman Massey. The motion passed unanimously.

The March Revenue Budget, Expenditure Budget Analysis, Income & Expense Summary and Check Registers and Bank Statements were reviewed. Motion was made by City Administrator Woods to acknowledge the review of the documents. Seconded by Alderman Massey. The motion passed unanimously.

Alliance Report of Operations: The average daily incoming flow for March was 1.358 mgd. We had 6.3 inches of precipitation measured at the WWTP in March.

Operationally, the plant's discharge was excellent, with an effluent monthly average BOD of 2.8 mg/l and TSS of 2.4 mg/l respectively for March, which represents a 98.5% or better removal.

The MLSS average for both aeration basins was 4,928 mg/l in March. The total dry weight sludge inventory for March totaled 321,848 pounds. There were 36 tanker loads or 133,200 gallons of bio solids land applied in March. We also received 9 tanker loads or 21,500 gallons of septage for the month of March.

APPROVAL OF FLOW CHART

Motion was made by Public Works Director Edelman to approve the Flow Chart for March, seconded by Public Works Director Michalik. Motion passed unanimously.

OLD BUSINESS:

- A. Report of action regarding the generator project. Public Works Director Edelman stated the bonding company would not issue the bond until they had something from the City awarding them the contract. A motion was made by City Administrator Van Dee to issue notice of Award to Martin Energy, Seconded by Public Works Director Michalik. Motion passed unanimously
- B. Report of action regarding Board of Representative update. Public Works Director Michalik stated he went thru the plant and everything is looking really good

NEW BUSINESS:

- A. Report of action regarding Chair and Vice Chair. Mayor Olivarri opens nominations for Chair and Vice Chair. City Administrator Woods nominates Mayor Olivarri for Chair, City Administrator Van Dee nominated Mayor Murawski for vice chair. Since there were no other nominations, Mayor Olivarri closed nominations and assignments were made by acclamation.

ADJOURNMENT:

With no further business to discuss the meeting adjourned at 4:13 pm.

Approved On May 21, 2019

Mayor, John Olivarri

City Collector, Trisha Kane

JOINT SEWER BOARD
BILL LIST
MAY 21, 2019

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:	\$	-
OPERATING FUND BILLS TO BE PAID:	\$	35,167.26
EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:	\$	-
EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:	\$	-
TOTAL		\$ 35,167.26

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	3752	Equipment Replacement Fund	Payment into ER Fund	\$ 3,467.00
4020	3753	Fastenal	gear oil, bolts, drill bit	\$ 173.21
4020	3754	GLW	RAS pump repair	\$ 280.00
4020	3755	Jani King	May	\$ 195.00
4020	3756	John Henry Foster	filter element for UV	\$ 77.12
4020	3757	Municipal Equip	gauges & light for Clarifier 3	\$ 194.44
4020	3758	O'reilly	fuel filter and main	\$ 112.88
4020	3759	USA BlueBook	sludge judg	\$ 276.26
4150	3760	Case	Lawn mower service	\$ 178.70
4170	3761	Alliance Water Resources, Inc.	May	\$ 24,966.00
4175	3762	Ameren MO	11673321	\$ 4,849.70
4175	3763	Ameren MO	98041275	\$ 164.03
4176	3764	AT&T	May	\$ 89.83
4176	3765	Republic	May	\$ 143.09
TOTAL				\$ 5,013.73

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				\$ -



Remit to
Fastenal Company
P.O. Box 1286
Winona, MN 55987-1286

INVOICE

Page 1 of 1

Cust. No. MOCAM0363
Cust. P.O. Gary
Job No.
Contract No.

For billing questions
5703 Osage Beach Parkway
OSAGE BEACH, MO 65065

Invoice Date
04/08/2019

Invoice No.
MOCAM58294

Invoice Total
173.21 USD

Due Date
05/08/2019

Phone 573/302-7668
Fax 573/302-7672

Sold To

0010289 01 MB 0.425 **AUTO T2 0 1023 65049-1-10299

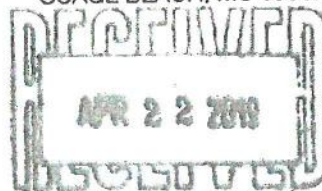


JOINT SEWER BOARD
ANDERSON RD
PO BOX 1985
LAKE OZARK, MO 65049-1985



Ship To

Picked up at branch
5703 Osage Beach Parkway
OSAGE BEACH, MO 65065



This Order and Document is subject to the "Terms of Purchase" posted on www.fastenal.com.

Line No	Quantity Ordered	Quantity Shipped	Quantity Backordered	Description	Control No.	Part No.	Price / Hundred	Amount
1	1	1	0	12x24x0 0825 NBR60	CMMO6348	0969020	1,113.0000	11.13
2	1	1	0	4 25GalBucketOilPump	GROZZZ	4121397	14,882.8500	148.83
3	1	1	0	EX 4 1/4" Scr Ext	1234567	3165539	339.1200	3.39
4	1	1	0	T160-AG JOBBER 1/4	NORSEM	53732	489.3400	4.89
5	25	25	0	HCS7/16-14x1-1/4 Z5	220004985	110120362	19.8600	4.97

GEAR OIL PUMP + BOLTS, DRILL BIT + EASYOUT

GL Acct#: 4020

Signature: *Gary Hutchcraft*

Date: 4/22/19

Received By

Tax Exemption

Comments

Contact: Gary Hutchcraft

Subtotal	173.21
Shipping & Handling	0.00
MO State Tax	0.00
County Tax	0.00
City Tax	0.00
Total	173.21

Reasonable collection and attorneys fees will be assessed to all accounts placed for collection.

If you re-package or re-sell this product, you are required to maintain integrity of Country of Origin to the consumer of this product.

No materials accepted for return without our permission.
All discrepancies must be reported within 10 days.

Please pay from this invoice.

Invoice: MOCAM58294 Cust: MOCAM0363



REPAIR ORDER

536 Co. Rd. 501
Jefferson City, MO 65101
Telephone 573-680-3957

[illegible]



Remit To:
MAJESTIC FRANCHISING INC DBA JANI-KING COLUMBIA
14821 W. 95TH STREET
LENEXA KS 66215
(573) 442-8455

Invoice	
Date	05/01/2019
Number	CLM05190086
Due Date	05/31/2019
Cust #	022031
Invoice Amount	\$ 195.00
Amount Remitted	

Sold To:
JOINT SEWER BOARD

3 ANDERSON RD

LAKE OZARK MO 65049



For:
ALLIANCE WATER

3 ANDERSON RD

LAKE OZARK MO 65049

Make All Checks Payable To: MAJESTIC FRANCHISING INC DBA JANI-KING COLUMBIA
RETURN THIS PORTION WITH YOUR PAYMENT

MAJESTIC FRANCHISING INC DBA JANI-KING COLUMBIA
Commercial Cleaning Services
(573) 442-8455



Sold To:
JOINT SEWER BOARD
3 ANDERSON RD
LAKE OZARK MO 65049

For:
ALLIANCE WATER
3 ANDERSON RD
LAKE OZARK MO 65049

Invoice No	Date	Cust No	Slsmn No	PO Number	Franchisee	Due Date
CLM05190086	05/01/2019	022031			RJ ENTERPRISES, LLC	05/31/2019
Quantity	Description				Unit Price	Extended Price
1	MONTHLY CONTRACT BILLING AMOUNT FOR MAY				195.00	195.00
GL Acct#: <u>4920</u>						
Signature: <u>[Signature]</u>						
Date: <u>4/29/19</u>						
To Pay Online Please Visit: https://quickclick.com/rfcr7k					Amount of Sale	\$ 195.00
Invoices Paid Online Must Include 3% Admin Fee, No Greater Than \$19.95					Sales Tax	\$ 0.00
Make All Checks Payable To: MAJESTIC FRANCHISING INC DBA JANI-KING COLUMBIA					Total	\$ 195.00



John Henry Foster

pneumatic and hydraulic equipment

www.jhf.com

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

Ph (314) 427-0600
Fax (314) 427-3502

Invoice #	INV-00293016
Page	1 of 1
Invoice Date	05/01/2019

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
VERBL GARY HUTCHCRAFT	05/01/2019	John Henry Foster	PS-00586958	Net 20 Days	03/20/2019
JHF Order #	Order Entered By	Placed By	Ship Via / Secondary Ship Via		
SO-00241209	Carla Ficke	Gary Hutchcraft	UPSG		BestWay

Part Number / Description	Ordered	Shipped	Backordered	Price Each	Extension
24241838		1	0	59.00	59.00
1R ELEMENT FOR FA40'D					

FILTER ELEMENT FOR UVAIRSYSTEM

GL Acct#: 4020

Signature: *Gary Hutchcraft*

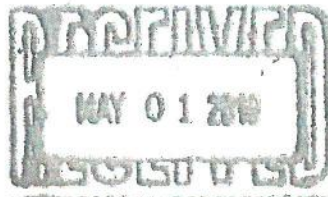
Date: 5/3/19

Review and place orders at www.jhf.com !	Subtotal	Charges	Freight	Sales Tax	TOTAL
	59.00	0.00	18.12	0.00	77.12

Subject to Terms and Conditions at http://www.jhf.com/terms_of_purchase.htm



2735 MERCANTILE DRIVE
ST. LOUIS MO 63144
Phone: (314) 290-2998



Invoice	
Document No.	INV0019984
Date	4/30/2019
Page	1

Bill To:

LAKE OZARK JOINT SEWER BOARD
PO BOX 1985
LAKE OZARK MO 65049

End User:

Ship To:

LAKE OZARK JSB
GARY HUTCHCRAFT
#3 ANDERSON ROAD
LAKE OZARK MO 65049

Purchase Order No.	Customer ID	Salesperson ID	Shipping Method	Payment Terms	Reg Ship Date	Master No.
VERBAL	LAKREG	DAB	BESTWAY	NET 30 DAYS	4/2/2019	1,408
Ordered	Shipped	Item Number	Description	Unit Price	Ext. Price	
2	2	G3203252	STRAIGHT OIL GAUGE, 3/8" X 4" BRASS	\$31.22	\$62.44	
1	1	G1717773	LOW PROFILE WARNING LIGHT, STROBE, RED. 120 VOLT AC	\$132.00	\$132.00	
OIL GAUGES & WARNING LIGHT FOR CLARIFIER 3						
GL Acct#: 4020						
Signature: Gary Hutchcraft						
Date: 5/1/19						

TAG: GARY H. / 573-365-0455

Subtotal	\$194.44
Freight	\$0.00
Tax	\$0.00
Total	\$194.44



DEDICATED TO THE PROFESSIONAL

Store 4046, 4005 OSAGE BEACH PKWY,
OSAGE BEACH, MO 65065 (573) 348-2725

Bill To:

JOINT SEWER BOARD
PO BOX 1985
LAKE OZARK, MO 65049
(573) 365-0455



Invoice	4046-210992
Sale Type	CHARGE SALE
Date	04/17/2019 9:04 AM
Ship Via	
PO Number	

Counter #	Customer Account	Ordered By	Special Instructions
61006	2643210	Gary	

Qty	Line	Item Number	Description	Warr	Unit	Tax	List	Net	Extended
1	WIX	33271	FUEL FILTER	1Y	EA	N	9.14	4.05	4.05
1	ORC	72414	12.5ozCarbCl	MD	EA	N	5.92	3.49	3.49
1	CRC	5037	100zWhtLithm	3D	EA	N	11.00	6.49	6.49
1	CRC	5037	100zWhtLithm	3D	EA	N	11.00	6.49	6.49
1	SEF	SF16	16ozMotorTrt	MD	EA	N	15.24	8.99	8.99
1	SEF	SF16	16ozMotorTrt	MD	EA	N	15.24	8.99	8.99
1	WD	49005	120Z WD-40	MD	EA	N	12.69	7.49	7.49
1	VCC	981610	25PkShpTowel	MD	PK	N	15.24	8.99	8.99
10	MYS	JT6-14-HITEMP	14ozGrease	MD	EA	N	9.81	5.79	57.90

FUEL FILTER FOR 6" TRASH PUMP + REG. MAINTENANCE
CARB CLEANER

GL Acct#: 4020

Signature: Gary Hutchins

Date: 4/17/19

18 Items

The NEW First Call Online VIN Scan app includes license plate to VIN decoding!

Sub-Total 112.88
Sales Tax 0.00
Total 112.88

X

Customer Signature



WWW.FIRSTCALLONLINE.COM

Please visit www.firstcallonline.com/warranty for warranty details

1/1

13

WE APPRECIATE YOUR BUSINESS!

Remit To: PO BOX 9464, SPRINGFIELD, MO 65801-9464

USABlueBook

Get the Best Treatment™

Remit To:
P.O. Box 9004
Gurnee, IL 60031-9004
TEL: (847) 689-3000
FAX: (847) 689-3001
TOLL FREE: 1-800-493-9876
F.E.I.N.: 52-2418852

INVOICE

INVOICE NO.	PAGE NO.
883992	1 of 1
CUSTOMER NO.	DATE
1053309	05/01/19

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

BILL TO: 1053309
1E21 1 MB 0.428 E0491X 10570 D4782563086 S2 P6384564 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	05/01/19	GZC	NET 30	MOEXEMPT	650570	01	FXD/PPD	UPS
USA STOCK NO.	DESCRIPTION	ORDERED	SHIPPED	BACKORDER	U/M	PRICE	PER	EXTENSION
PACK	New Customer	1	1		EA	0.00	EA	0.00
CA	CR Released	1	1		EA	0.00	EA	0.00
/11475	CorePRO Sr. 15' Sampler 3 Sections	2	2	0	EA	119.95	EA	239.90
REPLACEMENT SLUDGE JUDGES FOR CLARIFIERS GL Acct#: 4020 Signature: <i>[Signature]</i> Date: 5/13/19								

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

MERCHANDISE	MISCELLANEOUS	DISCOUNT	TAX	FREIGHT	TOTAL
239.90	0.00	0.00	0.00	36.36	276.26

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

USABlueBook

Get the Best Treatment™

****IMPORTANT****

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

INVOICE NO.	CUSTOMER NO.	DATE	TOTAL
883992	1053309	05/01/19	276.26

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

CASE II3821 Rockport Hills Rd
Jefferson City, MO 65116
Phone: (573) 638-5261**CASE**6358 Hwy 52 West
Eldon, MO 65026
Phone: (573) 392-0331**CONSTRUCTION**1881 Pratherdale Rd
Columbia, MO 65202
Phone: (573) 243-4541**CROWN****Power & Equipment**315 South Springfield Ave
St. Louis, MO 63113
Phone: (314) 926-764122588 Hwy 127
T. Monette, MO 65337
Phone: (660) 347-5855**Kubota**103 Hwy 24 West
Salfsbury, MO 65281
Phone: (660) 368-6425**Cub Cadet**22595 Highway H
Monett, MO 65708
Phone: (417) 235-5222510 Brees Industrial Dr
Macon, MO 63552
Phone: (660) 395-1056

RO: 14872E

Invoice: 20182E

Date: 04/29/2019

JOINT SEWER BOARD
PO BOX 1985

LAKE OZARK, MO 65049

Date: 04/29/2019

Year	Make/Model	Serial Number			
2013 KUB ZG123S-48		11501			
Stock No	PO	License	Tag	Customer	Telephone
49425				50455	573-365-0455
Quantity		Lot	Net	Total	

Coid	OpCode	T	Description	Quantity	List	Net	Total
------	--------	---	-------------	----------	------	-----	-------

Type:
Fleet:MOWER
2014/03/25RO Open Date: 04/23/19
Meter In: 167Sold: 07/25/13
Meter Out: 167

001

SERVICE UNIT
D SERVICE UNIT

F CHANGED ENGINE OIL, FILTER, FUEL FILTER AND SPARK PLUGS.
CLEANED AIR FILTER. TOPPED OFF HST FLUID. BELTS OK. BLADES TO
WORN TO SHARPEN. REPLACED BLADES. CORRECTED TIRE AIR PRESSURE.
CHECKED DECK FOR LEVEL OK. TESTED OK.

CL

L CUSTOMER LABOR
CUSTOMER LABOR

127.16

P KH-52-050-02-S FILTER-OIL

1.00 9.99 9.99 9.99

P 2405013S1C FILTER-FUE

1.00 8.66 8.66 8.66

P 759-3336 SPARK PLUG

2.00 6.21 6.21 12.42

P KHOIL 10W-30

2.00 4.39 4.39 8.78

Subtotal charges this section 167.01

M SHOP SUPPLIES

8.90

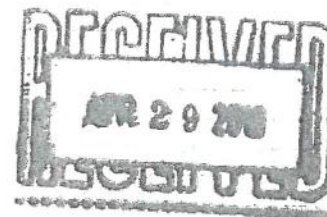
THANK YOU FOR YOUR BUSINESS

ANNUAL LAWN MOWER SERVICE

GL Acct#: 4150

Signature: *Randy Hultquist*

Date: 4/29/19



CHARGE 50455

178.70

I hereby authorize the above repair work to be done, along with necessary materials. You and your employees may operate above vehicle for purposes of testing, inspection, or delivery at my risk. An express mechanic's lien is acknowledged on above vehicle to secure the amount of repairs thereto. You will not be held responsible for loss or damage to vehicle or articles left in vehicle in case of fire, theft, accident, or any other cause beyond your control. "By signing, I certify that I am authorized to use this Account, to sign this receipt, and that I agree that the total amount of this invoice is repayable in accordance with the Credit Agreement applicable to the Account". I certify the items on this invoice are for agricultural use. If these items are not used exclusively for this purpose, I will be liable for the tax, interest, and penalties.

Signature: _____

DESC	TOTALS
LABOR	127.16
PARTS	39.85
SUBLET	
MISC	8.90
OTHER	
SUBTOTAL	175.91
TAX	2.79
TOTAL	178.70

CUSTOMER FINAL INVOICE

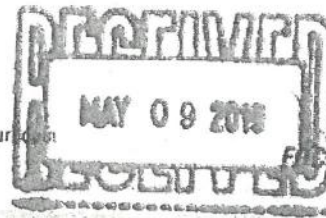
Copyright © 2014 KUBOTA

Alliance Water Resources, Inc.*Professional Water and Wastewater Operations***206 South Keene Street****Columbia, Missouri 65201****(573) 874-8080 Fax (573) 443-0833****SOLD TO****Lake Ozark/Osage Beach Joint Utility Board****c/o Karri Bell****City of Osage Beach****1000 City Parkway****Osage Beach, MO 65065****INVOICE****Invoice No: 8342****Invoice Date: 01-May-19****Customer No: 20220****Terms: 30 days**

REFERENCE	DESCRIPTION	AMOUNT
	Wastewater Plant operating service for month of: May-2019 Base Fee	\$24,966.00
TOTAL DUE		\$24,966.00



- 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



FOCUSSED 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 05/09/2019

Total Electric Charges \$4,849.70

Total Amount Due \$4,849.70



Stay informed about your energy usage anytime. Go to AmerenMissouri.com and create an account. It's simple and free!

AMOUNT DUE \$4,849.70

Due Date 05/31/2019

Amount After Due Date \$4,922.45

Previous Statement \$4,085.99

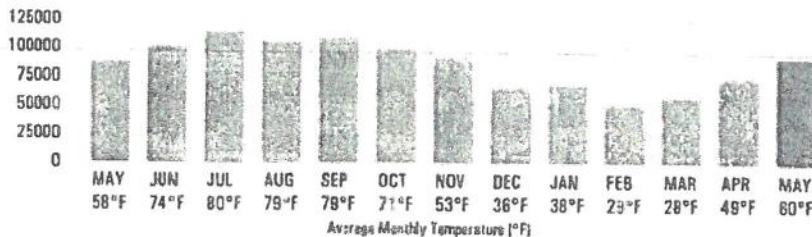
Total Payments \$4,085.99

Payment Received. Thank You.

Your electric rate decreased by approximately 8%. Your savings are noted as the Federal Tax Rate Reduction.

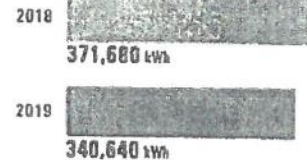
Electric Usage History

Electric Usage in Kilowatt Hours (kWh)



Electric Usage Summary (kWh)

So far this year, you're using 8.4% less than last year.



Usage from Jan-May 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.



» See next page for service details.

Keep this portion for your records.

GL Acct#: 4175

Signature: *[Signature]*

Please return this portion with your payment.

Date: 5/9/19



☐ Check if you have address changes on back.

Amount Due	Due Date
\$4,849.70	May 31, 2019
Delinquent Amount After Due Date	Account Number
\$4,922.45	4580005832

Amount Enclosed \$

000306 6119605 0004 092139 102

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

AMEREN MISSOURI
PO BOX 88068
CHICAGO IL 60680-1068

20600000 0045800058302 000004849700 000004849700



- Pay by phone: 1.866.266.3729
- Pay by mail: PO Box 88068, Chicago, IL 60680-1068
- Pay online or manage your account: AmerenMissouri.com
- Customer Service: 1.877.426.3736

FOCUSED ENERGY. For life.

Electric Service Details Service from 04/07/2019 - 05/07/2019 (30 days)

Electric Meter Read

METER NUMBER	SERVICE FROM - TO	NO. DAYS	USAGE TYPE	READING TYPE	CURRENT READING	PREVIOUS READING	READING DIFFERENCE	MULTIPLIER	USAGE
11673321	04/07 - 05/07	30	Total kWh	Actual	52808.0000	52238.0000	570.0000	160.0000	91200.0000
11673321	04/07 - 05/07	30	Peak kW	Actual	1.3890	0.0000	1.3890	160.0000	222.2400

Usage Summary

Total kWh	91200.0000	Peak kW	222.2000
Total Billing Demand	222.2000	October Winter Base kW	153.1000
Winter Base Demand	153.1000	Base kWh Ratio	0.6890
Base kWh (HUD)	62837.0000	Seasonal kWh (HUD)	28363.0000

Rate 3M Large General Service

DESCRIPTION	USAGE	UNIT	RATE	CHARGE
Seasonal Energy Charge	28,363.00	kWh	@ \$ 0.03890000	\$1,103.32
Demand Charge	222.20	kW	@ \$ 2.00000000	\$444.40
Base Energy Charge / Hours Used	22,865.00	kWh	@ \$ 0.06650000	\$1,527.17
Base Energy Charge / Hours Used	30,620.00	kWh	@ \$ 0.04840000	\$1,512.63
Base Energy Charge / Hours Used	9,252.00	kWh	@ \$ 0.03880000	\$358.80
Customer Charge				\$95.07
Fuel Adjustment Charge	91,200.00	kWh	@ \$-0.00019000	\$-17.33
Energy Efficiency Program Charge	91,200.00	kWh	@ \$ 0.00020000	\$18.24
Energy Efficiency Investment Charge	91,200.00	kWh	@ \$ 0.00248600	\$227.64
Federal Tax Rate Reduction	91,200.00	kWh	@ \$-0.00462000	\$-421.34
			Total Service Amount	\$4,848.70
			Total Electric Charges	\$4,848.70

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 _____

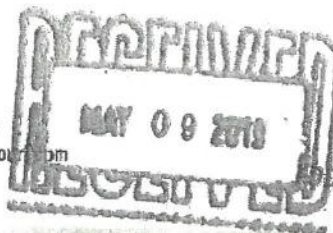
AmerenMissouri.com/WaysToPay

- ONLINE E-CHECK
- ONLINE CREDIT CARD
- PHONE 866.266.3729
- MAIL STUB & CHECK

IN PERSON
 FIND A PAY STATION AT
AMERENMISSOURI.COM
 PAYSTATION



- 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



FOCUS 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 05/09/2019

Total Electric Charges \$164.03

Total Amount Due \$164.03



Stay informed about your energy usage anytime. Go to AmerenMissouri.com and create an account. It's simple and free!

AMOUNT DUE \$164.03

Due Date 05/31/2019

Amount After Due Date \$166.49

Previous Statement \$164.94

Total Payments \$164.94

Payment Received. Thank You.

Your electric rate decreased by approximately 6%. Your savings are noted as the Federal Tax Rate Reduction.

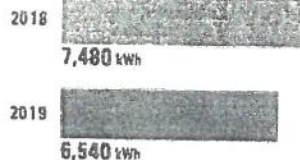
Electric Usage History

Electric Usage in Kilowatt Hours (kWh)



Electric Usage Summary (kWh)

So far this year, you're using 12.6% less than last year.



Usage from Jan-May for 2018 & 2019

13073 00187 6119605 000382 000763 00010002

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: *Rory Hultberg*

Date: 5/9/19

Page 1 of 4

» See next page for service details.

Keep this portion for your records.

Please return this portion with your payment.



☐ Check if you have address changes on back.

Amount Due	Due Date
\$164.03	May 31, 2019
Delinquent Amount After Due Date	Account Number
\$166.49	5580005920

Amount Enclosed \$

>000197 6119605 0004 092139 102

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

AMEREN MISSOURI
PO BOX 88068
CHICAGO IL 60680-1068

70633000 0055800059200 000000164030 000000164030



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

FOCUSED ENERGY. For life.

Electric Service Details Service from 04/07/2019 - 05/07/2019 (30 days)

Electric Meter Read

METER NUMBER	SERVICE FROM - TO	NO. DAYS	USAGE TYPE	READING TYPE	CURRENT READING	PREVIOUS READING	READING DIFFERENCE	MULTIPLIER	USAGE
88041275	04/07 - 05/07	30	Total kWh	Actual	18731.0000	18494.0000	237.0000	10.0000	2370.0000
88041275	04/07 - 05/07	30	Peak kW	Actual	4.3660	0.0000	4.3660	10.0000	43.6600

Usage Summary

Total kWh	2370.0000	Winter Base kWh	1000.0000
Current Base kWh	1000.0000	Seasonal kWh	1370.0000

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

Threshold - Peak Demand

DESCRIPTION	USAGE	UNIT		RATE	CHARGE
Base Energy Charge	1,000.00	kWh	@	\$ 0.08360000	\$83.60
Seasonal Energy Charge	1,370.00	kWh	@	\$ 0.04820000	\$66.03
Customer Charge					\$21.43
Fuel Adjustment Charge	2,370.00	kWh	@	\$-0.00019000	\$-0.45
Energy Efficiency Program Charge	2,370.00	kWh	@	\$ 0.00010000	\$0.24
Energy Efficiency Investment Charge	2,370.00	kWh	@	\$ 0.00293400	\$6.95
Federal Tax Rate Reduction	2,370.00	kWh	@	\$-0.00581000	\$-13.77
Total Service Amount					\$164.03
Total Electric Charges					\$164.03

Payments Since Previous Statement

DATE RECEIVED	AMOUNT
April 22, 2019	\$164.94

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

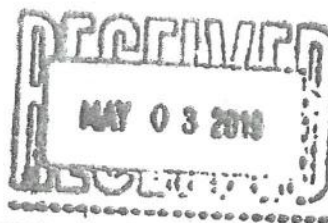


AT&T

JOINT SEWER BOARD
N. A. DANCE WATER RESOURC
P.O. BOX 1985
LAKE OZARK MD 65049 - 1995

Page 1 of 2
Account Number 573 365-0455 579 8
Billing Date Apr 29, 2019
Web Site att.com

Monthly Statement



Bill-At-A-Glance

Previous Bill	84 23
Payment Received 4-22 Thank you	84.23CR
Adjustments	.00
Balance	.00
Current Charges	89 83

Total Amount Due \$89.83

Amount Due in Full By May 28, 2019

Billing Summary

Online: att.com/myatt

Page

Plans and Services	1	78.31
1 800 321-2000		
Service Changes:		
1 800 321-2000		
Repair Services:		
1 800 286-8313		
AT&T Long Distance	1	11.52
1 800 321-2000		
Total Current Charges		89.83

GL Acct#: 4176

Signature: *[Signature]*

Date: 5/3/19

News You Can Use Summary

- PREVENT DISCONNECT
 - LONG DIST PROVIDERS
 - WHITE PAGE (WP) DIR.
 - COST ASSESSMENT CHRG
- See "News You Can Use" for additional information

Plans and Services

Monthly Service Apr 29 thru May 26

1 Bus Local Calling Unlimited B	55.00
Business Line (Measured Rate)	
Caller ID Name Delivery	
Caller ID Number Delivery	
Extended Area Service	
Unlimited Local Usage	
2 Mileage Outside Base Rate Area	1.94
Total Monthly Service	56.94

Additions and Changes to Service

This section of your bill reflects charges and credits resulting from account activity

Item	Quantity	Monthly Rate	Amount Billed
No. Description			
Activity on Apr 1, 2019			
(Monthly Charges are Priorated from Apr 1 2019 through Apr 28, 2019)			
3 Federal Universal Service Fee	1		.07CR

Surcharges and Other Fees

4 Federal Subscriber Line Charge	5.58
5 Special E911 Tax	5.24
6 Federal Universal Service Fee	1.04
7 Relay Missouri Surcharge	.04
8 MO Universal Service Fund	.08
9 Cost Assessment Charge	4.35
Total Surcharges and Other Fees	18.29

Taxes

10 Federal	1.60
11 State and Local	3.55
Total Taxes	5.15

Total Plans and Services 76.31

AT&T Long Distance

Important Information

NOTICE OF PRICE INCREASE

Thank you for being a valued AT&T customer. Effective June 12, 2019, the minimum usage charge for customers that are not on a long distance plan will increase from \$42.50 to \$47.50. The minimum

Local Services provided by AT&T Arkansas, AT&T Kansas, AT&T Missouri, AT&T Oklahoma, or AT&T Texas based upon the service address location



JOINT SEWER BOARD
%ALLANCE WATER RESOURC
PO BOX 1985
LAKE OZARK MO 65049 - 1985

Page 2 of 2
Account Number 573 365-0455 579 8
Billing Date Apr 29, 2019

AT&T Long Distance

Important Information - Continued

usage charge only applies to customers that have not chosen a long distance calling plan. For more information, to cancel service, or to discuss other long distance calling plans, please call the toll-free number on your bill or visit us online at www.att.com.

Message Regarding Terms & Conditions:

To view your Terms & Conditions for AT&T Long Distance, access www.att.com/servicepublications or call AT&T at the toll free number on your bill.

Invoice Summary

(as of April 16, 2019)

Current Charges	
Service Charges	10.00
Credits and Adjustments	.00
Call Charges	.00
Surcharges and Other Fees	1.21
Taxes	.31

Total Invoice Summary 11.52

Service Charges

Monthly Service Charges

Type of Service	Period	Qty	
1. BU UNL CLG \$10 1L 1Y	04/15-05/14	1	10.00
Total Monthly Service Charges			10.00
Total Service Charges			10.00

Call Charges - Mar 15th thru Apr 14th

Calls for 573-365-0455

Domestic

Item						
No.	Date	Time	Place Called	Number	Code	Min
2.3-20	832A		OVERLAND MO	314 693-1265	D	0:46 .00
3.3-20	144P		RICHLAND MO	573 765-0028	D	2:08 .00
4.3-22	1003A		COLUMBIA MO	573 442-8456	D	0:36 .00
5.4-08	1108A		JEFFERSON MO	573 632-4263	D	0:48 .00
Subtotal Domestic Calls for 573-365-0455						.00

Total Domestic Calls for 573-365-0455 .00

Total Calls for 573-365-0455 .00

Total Call Charges .00

Surcharges and Other Fees

Description	
6. Federal Regulatory Fee	.34
7. Federal Universal Service Fee	.66

Surcharges and Other Fees - Continued

8. Missouri Universal Service Fund	.01
Total Surcharges and Other Fees	1.21

Taxes

Description	
9. Federal Tax	.00
10. State and Local Taxes	.31
Total Taxes	.31

Key to Calling Codes

D Day

Total AT&T Long Distance 11.52

News You Can Use

PREVENT DISCONNECT

Thank you for being a valued customer. Please be aware that all charges must be paid each month to keep your account current and prevent collection activities. We are required to inform you that certain charges for basic service such as your telephone line, surcharges and fees, and long distance MUST be paid in order to prevent interruption of basic local service. These charges are already included in the Total Amount Due and are \$89.83. Also, neglecting to pay for other charges such as voice mail, InLine®, wireless, and Internet may result in those services being interrupted.

LONG DIST. PROVIDERS

Our records indicate that you have selected AT&T Long Distance or a company that resells their services as your primary local toll carrier and AT&T Long Distance or a company that resells their services as your primary long distance carrier. Please contact us if this does not agree with your records.

WHITE PAGE (WP) CIR

Your AT&T WP directory may now be published every 14 months instead of annually. Where available, you can request your free copy of your directory by visiting www.mydirectories.yip.com or calling 877.243.8339. Questions, please call us at the toll free number on your bill.

COST ASSESSMENT CHRG

AT&T charges you this monthly per line amount to recover its ongoing costs incurred for property taxes and supporting the administration of local number portability, a government program that enables customers to retain their telephone number when changing service providers. This fee is not a tax or charge that the government requires AT&T to collect from its customers.

Terms and Conditions

For a complete listing of Terms and Conditions, please refer to:
-The inside of the AT&T White Pages directory or
-Visit us on the web at att.com/terms



**REPUBLIC
SERVICES**

35 N Frontage Road
Osage Beach MO 65065-433131
Customer Service (573) 346-3637
RepublicServices.com/Support

Important Information

Thanks for being a loyal customer and for trusting us to handle your recycling and waste needs responsibly while protecting our Blue Planet.

Account Number 3-0435-0010208
Invoice Number 0435-000620967
Invoice Date April 20, 2019
Previous Balance \$292.51
Payments/Adjustments -\$292.51
Current Invoice Charges \$143.08

Total Amount Due \$143.09	Payment Due Date May 10, 2019
-------------------------------------	---

PAYMENTS/ADJUSTMENTS

Description	Reference	Amount
Payment - Thank You 03/23	3725	-\$149.75
Payment - Thank You 04/19	3739	-\$142.76

CURRENT INVOICE CHARGES

Description	Reference	Quantity	Unit Price	Amount
Alliance Water Resources Inc. #3 Anderson Road CSA C0074 Lake Ozark, MO 1 Waste Container 2 Cu Yd, 1 Lift Per 2 Weeks Pickup Service 05/01-05/31			\$102.77	\$102.77
Administrative Fee				\$5.95
Total Fuel/Environmental Recovery Fee				\$34.37
CURRENT INVOICE CHARGES				\$143.08



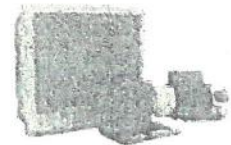
GL Acct#: 4176

Signature: [Signature]

Date: 4/29/19

Electronics Recycling with BlueGuard™

Convenient recycling solutions that are safe for you, the planet and your business. To learn more, visit RepublicServices.com/Electronics



**REPUBLIC
SERVICES**

35 N Frontage Road
Osage Beach MO 65065-433131

Please Return This
Portion With Payment

Total Enclosed

Return Service Requested

L2RCASDTN1 003101



JOINT SEWER BOARD
C/O ALLIANCE WATER RESOURCES
PO BOX 1985
LAKE OZARK MO 65049-1985

Total Amount Due \$143.08
Payment Due Date May 10, 2019
Account Number 3-0435-0010208
Invoice Number 0435-000620967

Make Checks Payable To:



REPUBLIC SERVICES #435
PO BOX 9001099
LOUISVILLE KY 40290-1099

30435001020800000006209670000143090000143093

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

Account Number	Account Name	4/30/2019					Percent YTD
		2017 Actual	2018 Actual	2019 Budget	2019 Actual as of 4/30/2019	2019 April Revenue	
3020	Osage Beach	478,614.41	480,784.67	478,500.00	158,888.90	39,591.02	33%
3010	Lake Ozark	71,385.58	69,215.30	71,500.00	24,444.43	6,242.31	34%
3030	Misc.	0.00	1,485.00	0.00	0.00	0.00	
3100	Interest	781.57	1,484.82	400.00	720.14	205.22	180%
3060	Waste Haulers' Fee	30,500.00	25,780.00	30,000.00	8,360.00	2,860.00	28%
Total Operating Fund		581,281.56	578,749.79	580,400.00	192,413.47	48,898.55	33%
E/R Fund Income		2,319.07	4,281.74	3,000.00	1,977.87	109.65	66%
TOTAL INCOME		583,600.63	583,031.53	583,400.00	194,391.34	49,008.20	33%

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MONTH-TO-DATE AND YEAR-TO-DATE
EXPENDITURE/BUDGET ANALYSIS
4/30/2019

Account Number	Account Name	2017 Actual	2018 Actual	2019 Budget	2019 Actual as of 4/30/2019	2019 April Expenses	Percent YTD
4000	Equipment Replace Fund	41,604.17	41,604.17	41,604.00	13,868.00	3,467.00	33%
4020	*Maintenance & Repair	129,789.11	9,713.86	122,000.00	81,826.63	73,559.91	67%
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	312.17	72.00	4%
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	99,864.00	24,966.00	33%
4175	Electric	69,261.90	79,533.37	80,000.00	14,462.04	4,250.93	18%
4176	Utilities Misc.	0.00	0.00	5,000.00	475.51	270.25	10%
4190	Bank Charges	24.35	24.00	60.00	35.80	28.80	0%
4200	Audit	2,200.00	2,300.00	2,400.00	0.00	0.00	0%
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	0.00	0.00	0%
	Totals	592,500.98	482,548.76	729,686.25	229,468.15	106,614.89	31%
	**E/R Expenses	7,554.68	42,782.61	96,500.00	6,453.75	0.00	7%
	TOTAL EXPENSES	600,055.66	525,331.37	826,186.25	235,921.90	106,614.89	29%

****Equipment & Replacement**

Rebuild Ducking Skimmer Arm	5,000.00
Replace BOD & Ammonia probes	2,000.00
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
Replace LED parking lot light	10,000.00
Replace electric panel & pump	15,000.00
Replace electric panel in RAS	40,000.00
	<u>96,500.00</u>

***Maintenance & Repair**

Auto Dialer Yrly Software 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

*****Vehicle Repair/Maint**

Vehicle Maintenance	8,000.00
	<u>8,000.00</u>

122,000.00

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OPERATING FUND INCOME AND EXPENSE SUMMARY
4/30/2019

Beginning Balance	393,734.35
Income - Osage Beach	39,591.02
Income - Lake Ozark	6,242.31
Income - Other	-
Income - Waste Haulers' Fees	2,860.00
Interest - Checking	22.17
Income - CD Interest	183.05
Transfers From E/R Fund	-
Transfers to E/R Fund	(3,467.00)
Expenses	(102,733.66)
Ending Fund Balance	336,432.24
Central Bank - NOW Acct.	134,602.24
CD First Bank of the Lake, 11/19 #101318432	101,830.00
CD Central Bank, 1/20 #151763	100,000.00
Outstanding Checks:	-
	336,432.24

EQUIPMENT REPLACEMENT FUND INCOME AND EXPENSE SUMMARY
4/30/2019

Beginning Balance	531,854.09
Interest - Checking	109.65
Income - CD Interest	-
Transfers to E/R Fund	3,467.00
Income - Miscellaneous	-
Expenses	-
Ending Fund Balance	535,430.74
First Bank of the Lake - Money Mkt.	127,673.69
CD Providence Bank, 7/19 #1268880	203,934.35
CD First Bank of the Lake, 11/19 #101318431	100,000.00
CD First Bank of the Lake, 04/20 #101318430	103,822.70
Outstanding Checks:	-
	535,430.74

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CHECK REGISTER - JOINT SEWER BOARD OPERATION FUND

reconciled balance 2/28/19			246,829.60
	CD ISSUE	X	100,000.00
3721	VOID	X	146,829.60
3722	Fastenal Co	X	146,829.60
3723	Ferrellgas	X	146,768.38
3724	CED	X	146,378.10
3725	Republic Services	X	146,039.10
3726	Equipment Replacement Fund	X	145,889.35
3727	Jani-King	X	142,422.35
3728	Menards	X	142,227.35
3729	CED	X	142,026.92
3730	TG Technical Service	X	141,851.67
3731	Naught Naught	X	141,534.59
3732	Alliance Water Resources, Inc.	X	122,715.59
3733	AT&T	X	97,809.59
3734	Ameren MO	X	97,707.99
3735	Jani-King	X	94,412.65
3736	John Henry Foster	X	94,217.65
3737	Dam Steel & Supply	X	93,810.64
	Two signature verification chg.	X	93,791.89
	CD ST. ELIZABETH	X	93,785.89
	Deposit LO	X	50,704.00
	Deposit OB	X	5,864.79
	Deposit	X	39,968.54
	Deposit	X	600.00
	Interest	X	460.00
			204.05
reconciled balance 3/31/19			191,587.27
3738	Pace Analytical	X	190,937.27
3739	Republic Services	X	190,794.51
3740	Jani-King	X	190,599.51
3741	Equipment Replacement Fund	X	187,132.51
3742	Fastenal Co	X	186,585.36
3743	John Henry Foster	X	184,309.67
3744	Landco Enterprises	X	115,409.67
3745	Menards	X	115,148.91
3746	O'Reilly Auto	X	115,038.36
3747	Clark Tire Co.	X	114,966.36
3748	Alliance Water Resources, Inc.	X	90,000.36
3749	AT&T	X	89,916.13
3750	Ferrellgas	X	89,872.87
3751	Ameren MO	X	85,621.94
	Two signature verification chg.	X	85,617.94
	Check Order	X	85,593.14
	Deposit LO	X	6,242.31
	Deposit OB	X	39,591.02
	Deposit	X	400.00
	Deposit	X	440.00
	Deposit	X	2,020.00
	Interest	X	205.22
reconciled balance 4/30/19			134,491.69



Central Bank
of Lake of the Ozarks

MEMBER FDIC

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

RETURN SERVICE REQUESTED

Effective July, 1 2019, your debit card
will no longer come with certain
insurance benefits. Visit
centralbank.net/glb-updated for details.

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 04/01/2019 - 04/30/2019 Page 1 of 4

Web Address
www.centralbank.net

M

Your Financial Summary on April 30, 2019

	Bank Deposits	Totals
Bank Deposit Accounts:		
Checking	\$ 134,602.24	
Certificates of Deposit	\$ 100,000.00	
Bank Deposit Total		\$ 234,602.24
Total Assets:	\$ 234,602.24	\$ 234,602.24

Detailed Explanation of Account Balances and Other Assets

Basic Plus Interest Checking

No. 000007297	Beginning Balance March 29, 2019	\$ 191,904.35
Deposits		
Apr. 03	Deposit	400.00
Apr. 16	Deposit	6,242.31
Apr. 16	Deposit	39,591.02
Apr. 18	Deposit	440.00
Apr. 19	CD Interest 000151763	183.05
Apr. 24	Deposit	2,020.00
Apr. 30	Interest Earned	22.17
Total		+\$ 48,898.55
Checks		
Check No.	Date Paid	Amount
3730	Apr. 08	317.08
3738	Apr. 09	650.00
3739	Apr. 22	142.76
3740	Apr. 16	195.00
3741	Apr. 19	3,467.00
3742	Apr. 23	547.15
3743	Apr. 22	2,275.69
Check No.	Date Paid	Amount
3744	Apr. 22	68,900.00
3747	Apr. 23	72.00
3748	Apr. 18	24,966.00
3749	Apr. 24	84.23
3750	Apr. 22	43.26
3751	Apr. 23	4,250.93
Total		-\$ 105,911.10

Withdrawals and other charges

Date	Type	Transaction Description	
Apr. 01	03/2019 TWO SIGNATURE VERI		4.00
Apr. 24	MENARDS LAKE OZA8662377650 3745		260.76
Apr. 24	HARLAND CLARKE CHK ORDERS		24.80
Total			-\$ 289.56

JSB - CHECK REGISTERS 2019

CHECK REGISTER - JOINT SEWER BOARD EQUIPMENT REPLACEMENT FUND

reconciled balance 2/28/19			69,886.07
Interest	X	39.97	69,926.04
Deposit	X	3,467.00	73,393.04
CD ST. ELIZABETH	X	50,704.00	124,097.04
reconciled balance 3/31/19			124,097.04
Interest	X	109.65	124,206.69
Deposit	X	3,467.00	127,673.69
reconciled balance 4/30/19			127,673.69



4558 Osage Beach Pkwy, Suite 100
Osage Beach, MO 65065
(573) 348-2265

536 00010 01
ACCOUNT:
DOCUMENTS:

PAGE: 1
04/30/2019

1

00145 3308975 10Z ATM 608 152.1 4

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



First Bank of the Lake takes the security of our client's financial accounts very seriously. Due to a global rise in identity theft and online fraud, we are now offering the ability to add secure access codes and security questions to your account information. If you would like to add this additional layer of security to your accounts with us, please call us at 573-348-2265.

MONEY MARKET ACCOUNT ACCOUNT

(BUSINESS MONEY MARKET)

LAST STATEMENT 03/29/19 124,097.04
2 CREDITS 3,576.65
DEBITS .00
THIS STATEMENT 04/30/19 127,673.69

REF #.....DATE.....AMOUNT REF #.....DATE.....AMOUNT REF #.....DATE.....AMOUNT
04/18 3,467.00

DESCRIPTION DATE AMOUNT
INTEREST 04/30 109.65

AVERAGE LEDGER BALANCE: 125,505.50 INTEREST EARNED: 109.65
AVERAGE AVAILABLE BALANCE: 125,072.13 DAYS IN PERIOD: 32
INTEREST PAID THIS PERIOD: 109.65 ANNUAL PERCENTAGE YIELD EARNED: 1.00%
INTEREST PAID 2019: 531.77

* * * C O N T I N U E D * * *



Z0210546

NOTICE: SEE REVERSE SIDE FOR IMPORTANT INFORMATION



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**Alliance Water
Resources,
Inc.**

**206 S. Keene
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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 April 2019

Submitted by Alliance Water Resources, Inc. for the

May 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	2.4	2.3	N/A	25.7		0.08	< 5.0	< 1.0
Peak Day	3.0	3.1	7.8	48.6		0.21	< 5.0	< 1.0
Percent Removal	98.7	99.0	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 1.471 MGD or 49% 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 65782 pounds of BOD.

BIOSOLIDS APPLICATION AND INVENTORY

Plant personnel land applied 39 tanker loads of bio-solids during the month equivalent to a total of 144,300 gallons and 53,940 pounds dry weight solids.

97,079 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 585,000 gallons with a level of 5.5 feet in Tank 1 and 7.5 feet in Tank 2.

WASTEHAULERS

The plant received 39 loads of septage during the month totaling 61,500 gallons.

WWTP OPERATIONS

- Decanting digesters and wasting weekly.
- Normal operations.
- Got Clarifier #3 back online on the 17th of April.

WWTP MAINTENANCE AND REPAIR

- Performed routine maintenance throughout the month as per Antero Maintenance Data Management schedule. (New version of Operator 10 Software)
- We started having trouble with the RAS flow meter the latter part of March and had been trying to troubleshoot it with Eastech tech support. They originally thought it was a program problem but when we sent it to them, they said the mother board was bad and needed replaced or purchase a new one. The repair of just the meter would be \$2,225 with a 90-day warranty where the new one from Eastech is \$2,970 with two new transducers and has an 18-month warranty. We solicited four other vendors for bids but only received two back with JCI coming in at \$3,850 and Municipal Equipment at \$5,214. Both vendors have additional installation charges for the new meter, but Alliance can do it in house at no extra cost.
- We have been having problems with a couple of the clean out cover bolts on the RAS pumps, so we decided to have them machined and tapped for another set of bolts with the help of G & L Welding on the 24th of April.

SAFETY

- We conducted our monthly routine Safety Meeting on Distracted Driving Prevention, on the 10th of April.

REGULATORY AGENCY, INSPECTION AND REPORTS

- We filled out the EDMR on MDNR's website on the 7th of May.
- We received the lab results for the 2nd quarter 503 sludge regs on the 1st of May and everything looked good.

MISCELLANEOUS AND RECOMMENDATIONS

TABLE A
LAKE OZARK/OSAGE BEACH WWTP

MONTH OF April 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-Apr	0	0.227	1.178	1.405	16.2	83.8						
2-Apr	0	0.184	1.155	1.339	13.7	86.3						
3-Apr	0	0.179	1.141	1.320	13.6	86.4						
4-Apr	0.75	0.167	1.166	1.333	12.5	87.5	195	188	170	144	366	224
5-Apr	0.25	0.230	1.457	1.687	13.6	86.4						
6-Apr	0	0.198	1.304	1.502	13.2	86.8						
7-Apr	0	0.200	1.353	1.553	12.9	87.1						
8-Apr	0	0.183	1.268	1.451	12.6	87.4						
9-Apr	0	0.181	1.201	1.382	13.1	86.9						
10-Apr	0	0.163	1.182	1.345	12.1	87.9						
11-Apr	0	0.165	1.175	1.340	12.3	87.7						
12-Apr	0	0.155	1.114	1.269	12.2	87.8	215	288	205	136	262	240
13-Apr	0	0.171	1.121	1.292	13.2	86.8						
14-Apr	0.8	0.196	1.345	1.541	12.7	87.3						
15-Apr	0.0	0.237	1.459	1.696	14.0	86.0						
16-Apr	0	0.191	1.158	1.349	14.2	85.8						
17-Apr	0	0.193	1.190	1.383	14.0	86.0						
18-Apr	1.3	0.268	1.640	1.908	14.0	86.0						
19-Apr	0	0.310	1.412	1.722	18.0	82.0	178	200	155	194	170	206
20-Apr	0	0.241	1.256	1.497	16.1	83.9						
21-Apr	0	0.238	1.242	1.480	16.1	83.9						
22-Apr	0	0.190	1.152	1.342	14.2	85.8						
23-Apr	0	0.190	1.223	1.413	13.4	86.6						
24-Apr	0.5	0.206	1.273	1.479	13.9	86.1						
25-Apr	0.1	0.211	1.275	1.486	14.2	85.8						
26-Apr	0	0.212	1.226	1.438	14.7	85.3	240	190	185	208	138	218
27-Apr	0.1	0.227	1.415	1.642	13.8	86.2						
28-Apr	0	0.230	1.385	1.615	14.2	85.8						
29-Apr	0.25	0.203	1.239	1.442	14.1	85.9						
30-Apr	0	0.189	1.286	1.475	12.8	87.2						
SUM	4.1	6.135	37.991	44.126								
AVG		0.205	1.266	1.471	14	86	207	217	179	171	234	222
NOTE: BOLD PRINT INDICATES WEEKEND DAYS												

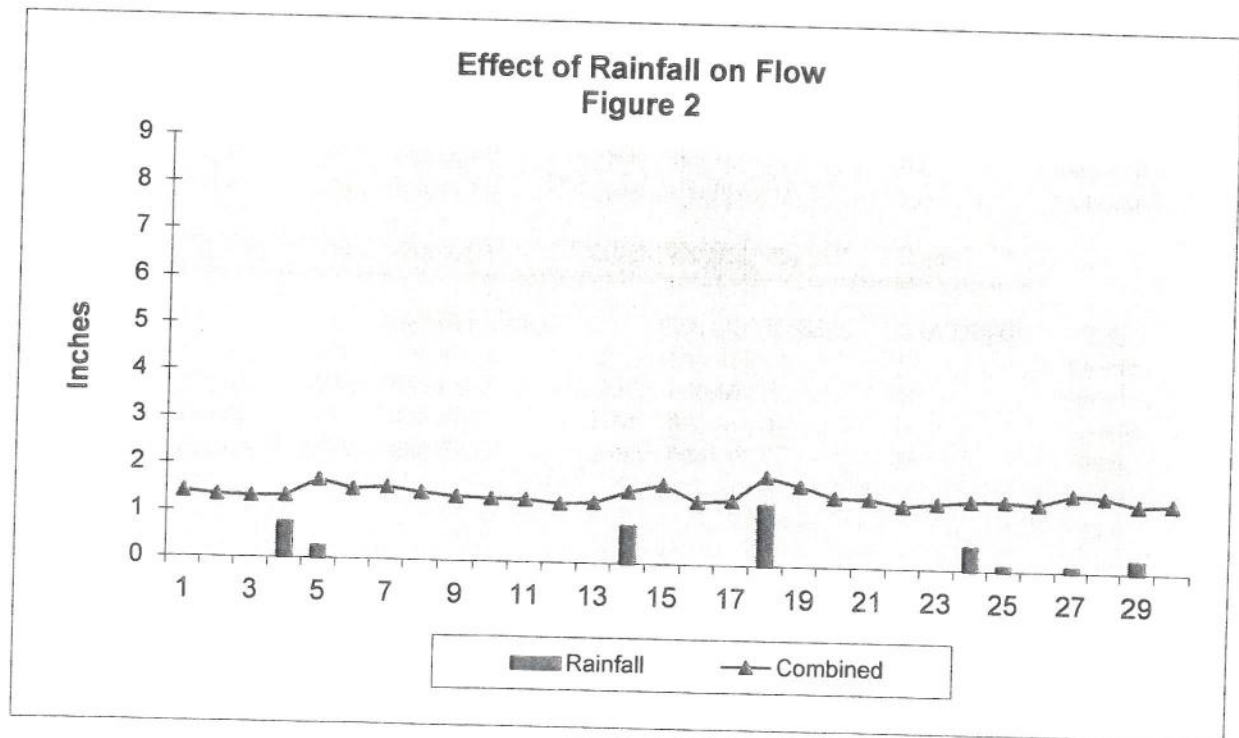
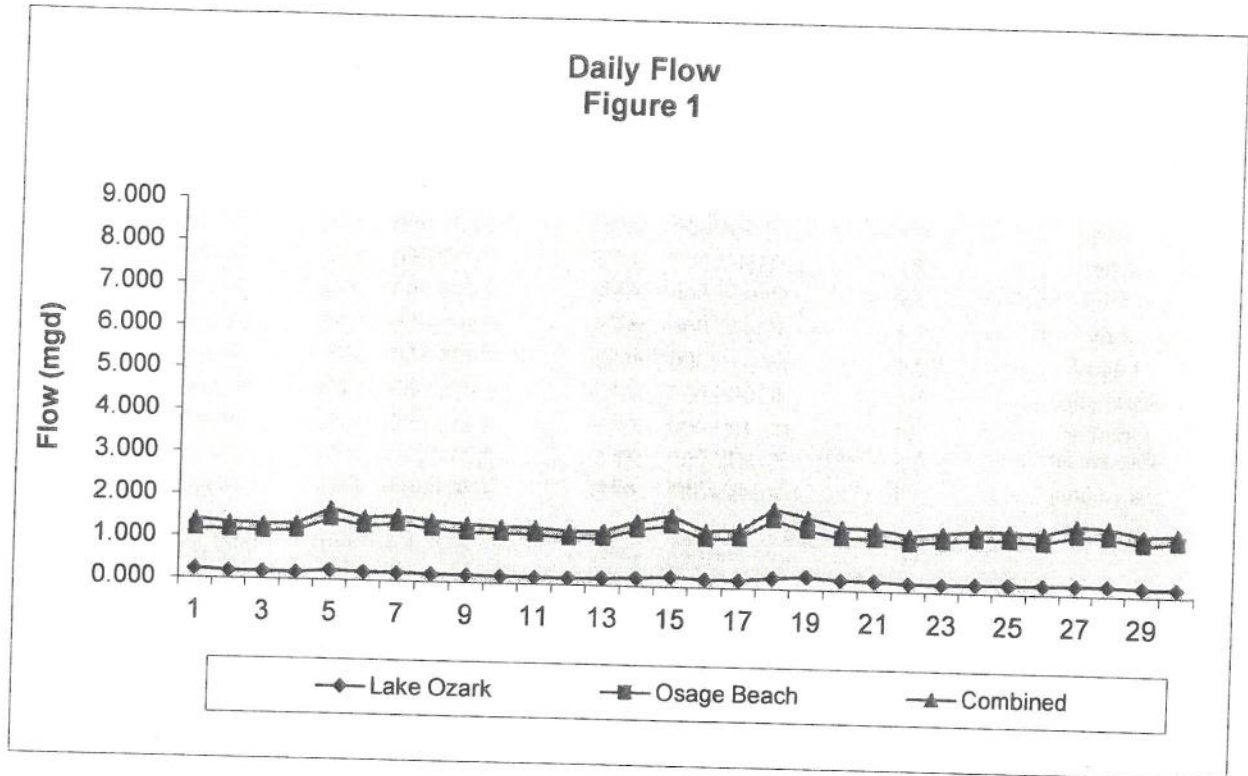
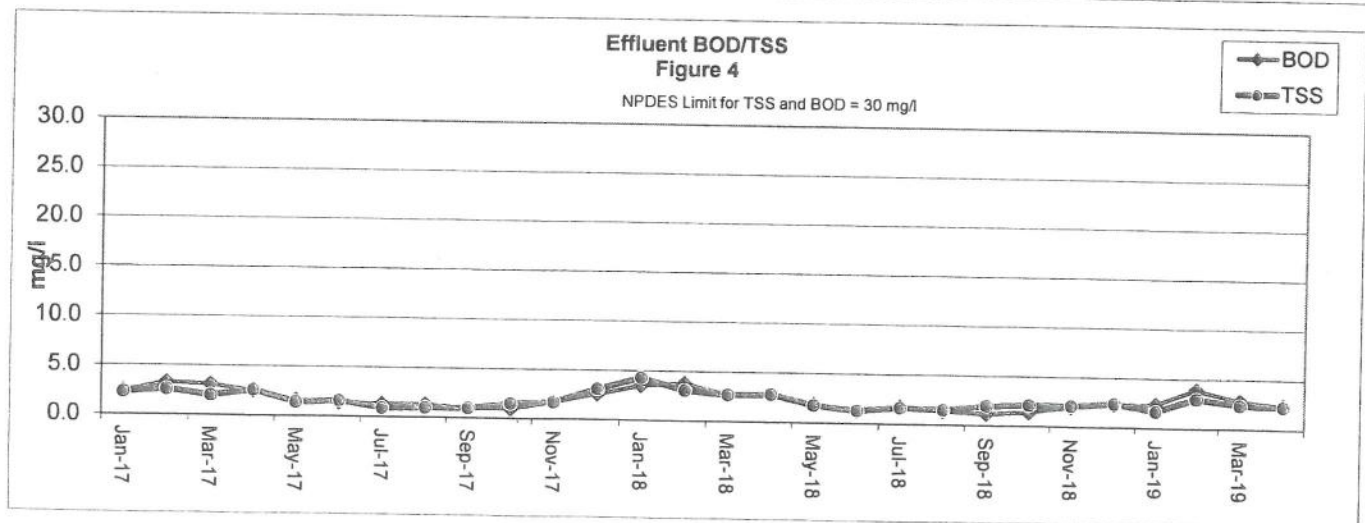
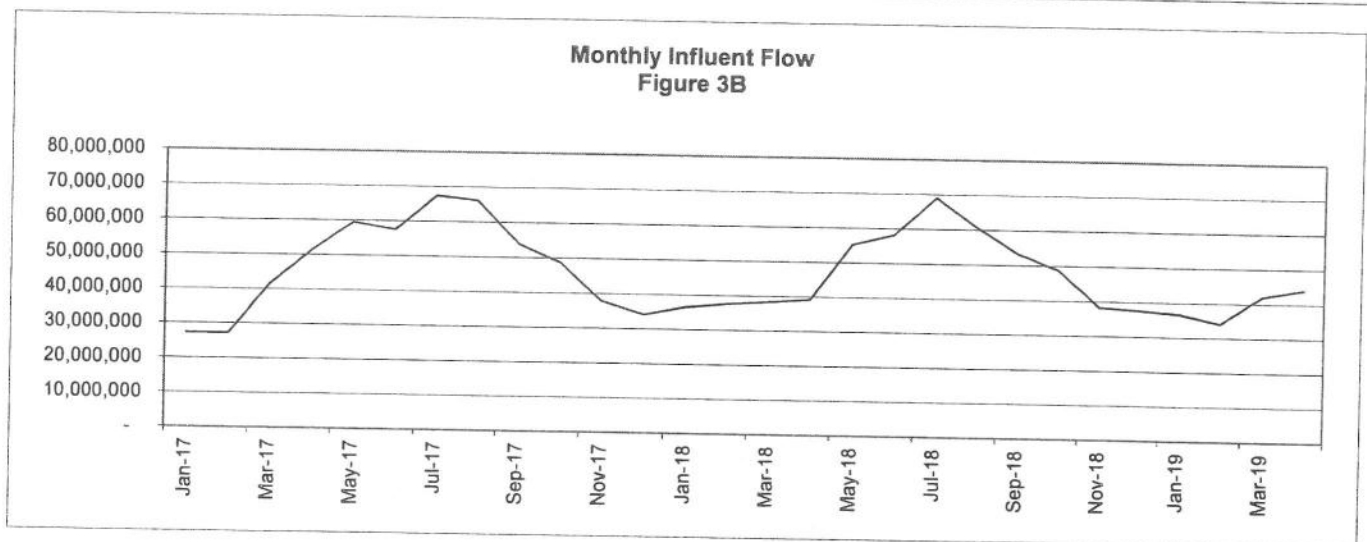
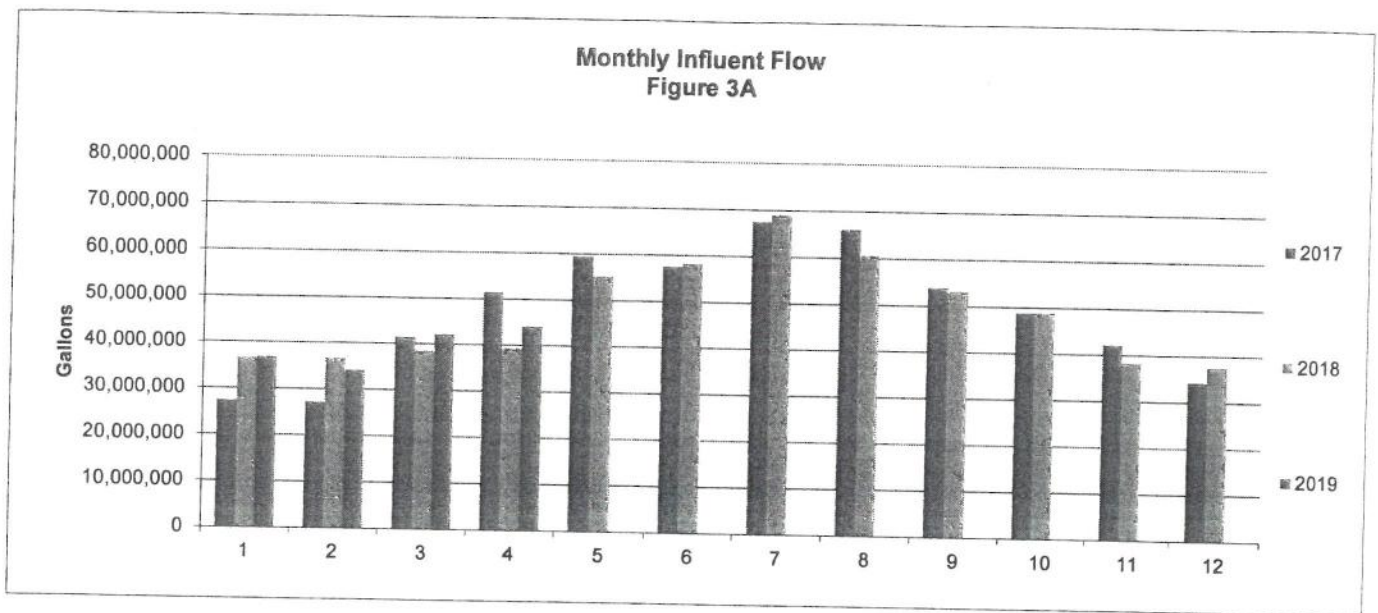
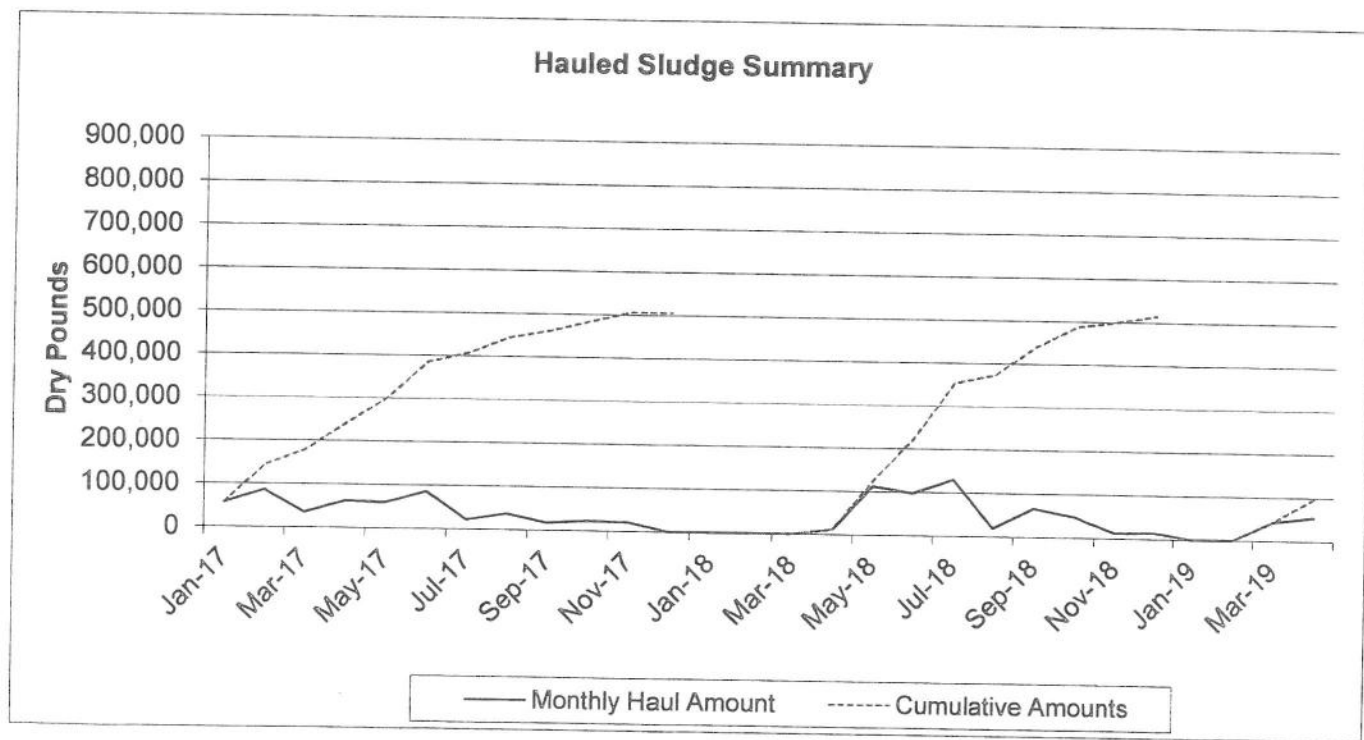
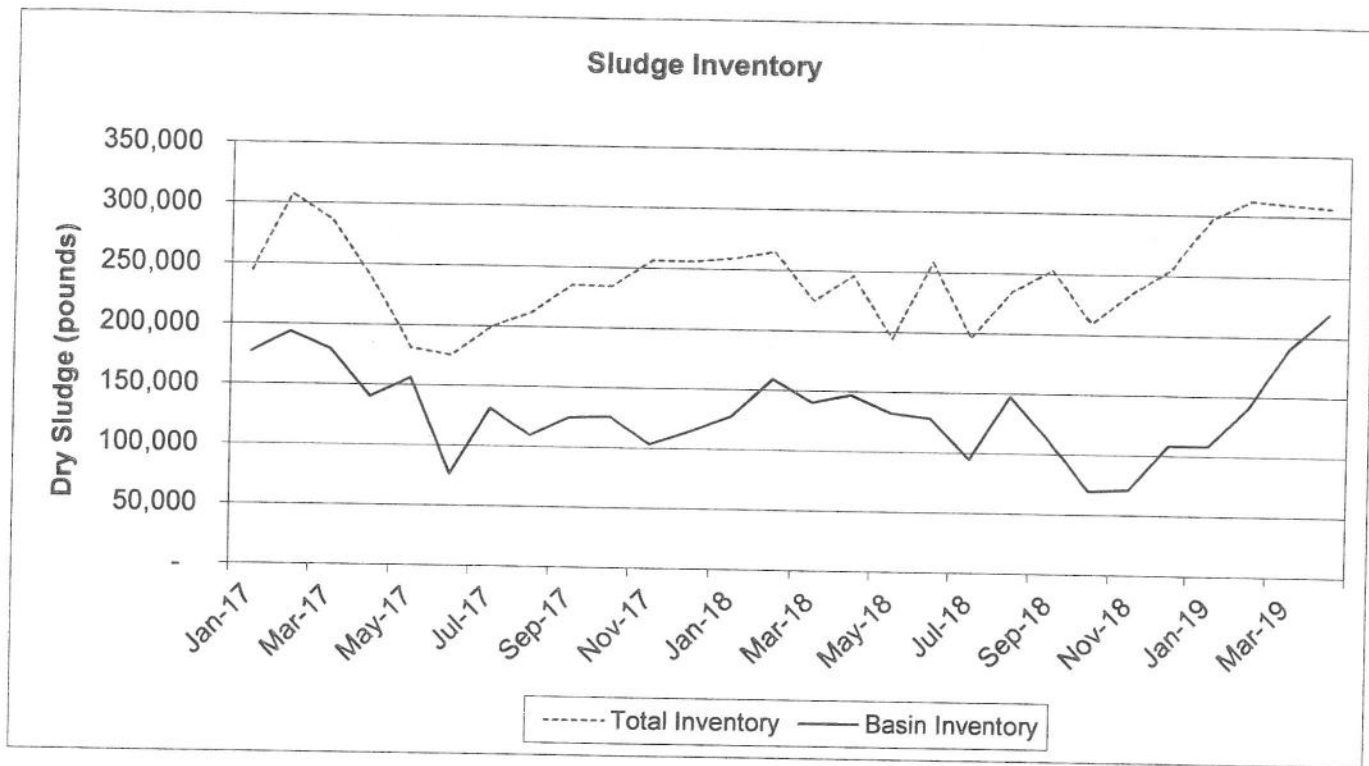


TABLE B
JOINT SEWER BOARD
Monthly Flows

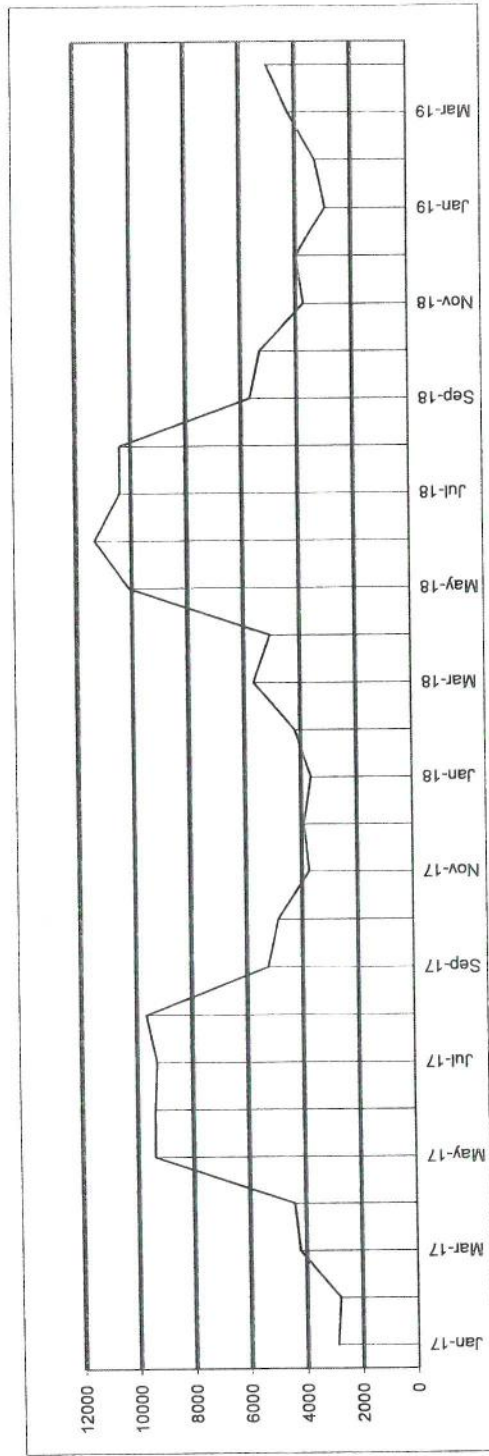
<u>2017</u>	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	2.5	23,440,000	86%	3,909,000	14%	27,349,000	100%
February	0.7	23,345,000	86%	3,812,000	14%	27,157,000	100%
March	3.8	36,554,000	88%	4,844,000	12%	41,398,000	100%
April	9.8	44,665,000	87%	6,723,000	13%	51,388,000	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						-	
June						-	
July						-	
August						-	
September						-	
October						-	
November						-	
December						-	
	16.8	135,778,000	86%	21,369,000	14%	157,147,000	100%



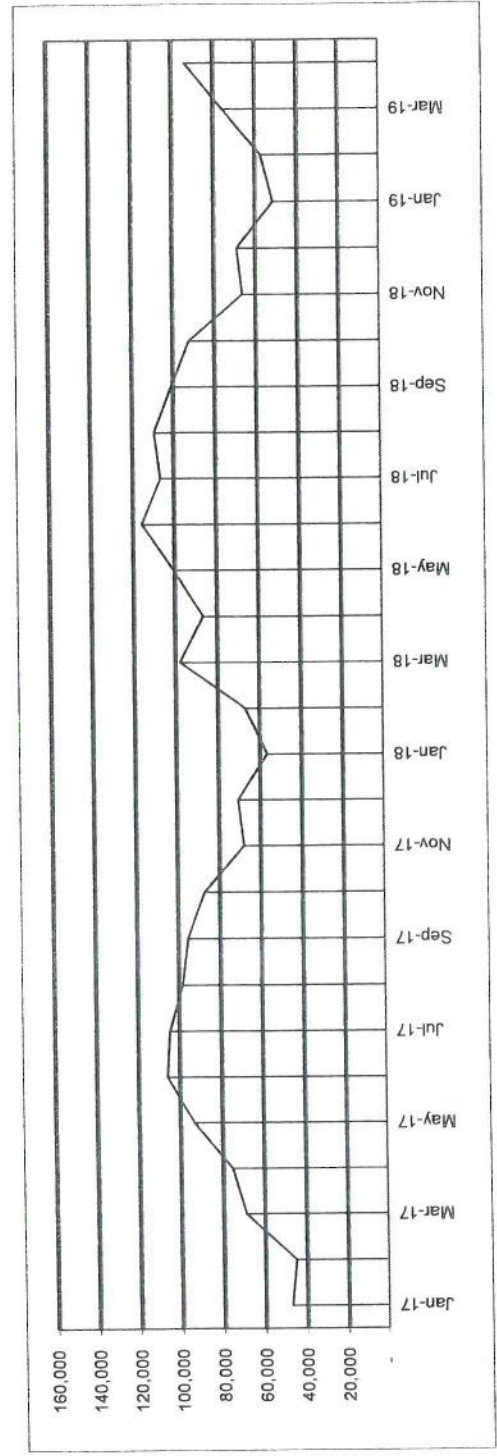
Date	Loads	Hauled Sludge				Basin Depths				Blanket Depths				MLSS Inventory				Blanket and MLSS Inventory				MLSS		Total Dry	
		Gallons	# Dry	% Solids	Annual Cumulative # Dry	Tank #1	Tank #2	AB #1	AB #2	Basin Gallons	# Dry	Clarf #1	Clarf #2	Clarf #3	MLSS AB #1	MLSS AB #2	Gallons	# Dry	% Solids	Sludge Inventory	MLSS	% Solids	Sludge Inventory	MLSS	% Solids
Jan-17	47	173,000	56,748	3.9%	56,748	6.0	6.0	0.0	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	15	37,500	
Feb-17	68	251,600	86,649	4.1%	143,397	5.5	7.0	0.0	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	5	12,500	
Mar-17	33	122,100	34,808	3.4%	178,205	7.5	6.5	0.0	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	41	102,500	
Apr-17	59	218,300	61,994	3.4%	240,199	6.5	4.5	0.0	0.0	495,000	140,573	8.0	10.0	1.5	-	4,630	2,184,858	84,367	0.00463	274,939	8	20,000	8	20,000	
May-17	51	188,700	59,556	3.8%	299,755	7.0	4.0	0.0	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	45	116,000	
Jun-17	51	188,700	59,556	3.8%	385,479	2.5	3.0	0.0	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	33	82,500	
Jul-17	75	277,500	85,724	3.7%	385,479	2.5	3.0	0.0	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	33	82,500	
Aug-17	75	277,500	85,724	3.7%	407,110	4.5	5.5	0.0	0.0	450,000	131,540	1.0	1.0	0.5	4,670	2,740	3,650	3,657,238	126,886	0.00416	258,426	43	107,500	43	107,500
Sep-17	39	144,300	37,030	3.1%	444,140	5.0	4.5	0.0	0.0	427,500	109,704	1.0	0.5	1.0	2,910	3,880	3,670,071	86,469	0.00283	196,173	41	103,500	41	103,500	
Oct-17	20	74,000	21,292	3.4%	505,794	6.0	3.0	0.0	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	16	40,000	16	40,000	
Nov-17	0	-	0	3.4%	505,794	5.5	4.5	0.0	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	16	40,000	16	40,000	
Dec-17	0	-	0	3.4%	-	7.5	5.0	0.0	0.0	495,000	140,362	0.5	0.5	0.5	5,580	5,040	3,639,476	172,406	0.00568	312,769	6	15,000	6	15,000	
Jan-18	0	-	0	3.4%	-	5.5	5.5	0.0	0.0	495,000	140,362	0.5	0.5	0.5	5,580	5,040	3,639,476	172,406	0.00568	312,769	6	15,000	6	15,000	
Feb-18	0	-	0	3.4%	-	5.0	6.0	0.0	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	8	20,000	
Mar-18	11	40,700	12,086	3.6%	12,086	4.5	4.5	0.0	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	10	24,500	
Apr-18	93	344,100	112,693	3.8%	124,789	4.0	4.5	0.0	0.0	405,000	128,569	4.0	3.0	1.0	6,190	5,490	3,767,762	183,511	0.00594	312,100	38	95,000	38	95,000	
May-18	88	325,000	97,758	3.6%	222,547	4.0	5.5	0.0	0.0	427,500	128,569	1.0	0.5	1.5	4,570	4,990	3,691,785	147,174	0.00478	242,026	42	107,000	42	107,000	
Jun-18	126	466,200	131,023	3.4%	353,570	3.0	4.5	0.0	0.0	337,500	94,853	2.5	1.0	1.0	4,680	4,170	3,705,595	136,753	0.00443	284,531	30	75,000	30	75,000	
Jul-18	12	44,400	19,441	5.3%	373,011	5.0	2.5	0.0	0.0	337,500	147,778	2.5	1.0	1.0	3,920	3,340	3,626,643	109,794	0.00363	220,132	45	113,500	45	113,500	
Aug-18	51	188,700	66,098	4.2%	439,109	4.5	2.5	0.0	0.0	315,000	110,338	0.5	0.5	0.0	4,290	3,640	3,617,762	119,633	0.00397	189,409	21	59,500	21	59,500	
Sep-18	38	140,600	48,447	4.1%	487,556	3.0	1.5	0.0	0.0	202,500	89,776	0.5	0.5	0.0	4,100	4,640	3,635,524	132,500	0.00437	203,809	8	21,500	8	21,500	
Oct-18	11	40,700	12,899	3.8%	500,455	2.5	2.5	0.0	0.0	225,000	71,309	1.0	1.0	0.0	4,120	3,420	4,008,526	126,035	0.00377	234,494	22	55,000	22	55,000	
Nov-18	11	40,700	12,899	3.8%	500,455	2.5	2.5	0.0	0.0	225,000	71,309	1.0	1.0	0.0	4,120	3,420	4,008,526	126,035	0.00377	234,494	22	55,000	22	55,000	
Dec-18	14	51,800	14,688	3.4%	515,143	6.5	2.0	0.0	0.0	382,500	108,459	1.0	1.0	0.0	4,850	4,480	3,635,524	138,412	0.00457	246,874	19	46,500	19	46,500	
Jan-19	0	-	0	3.4%	-	5.0	3.5	0.0	0.0	382,500	108,462	1.0	1.0	0.0	4,570	4,740	3,635,524	141,141	0.00466	281,503	31	79,500	31	79,500	
Feb-19	36	133,200	43,139	3.9%	43,139	6.0	7.0	0.0	0.0	495,000	140,362	0.5	1.0	0.0	4,780	3,920	3,626,643	131,571	0.00435	321,648	9	21,500	9	21,500	
Mar-19	39	144,300	53,940	4.5%	97,079	5.5	7.5	0.0	0.0	585,000	219,551	1.5	0.5	1.0	5,720	4,530	3,678,952	157,248	0.00513	376,798	23	61,500	23	61,500	



Electric Cost



Kilowatts Used



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



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

NAME OF FACILITY						LOCATION ADDRESS & CITY								COUNTY/REGION	
Lake of the Ozarks Regional WWTP #1						#3 Anderson Road								Miller/SWRO	
MONTH/YEAR		PERMIT NUMBER				OUTFALL NUMBER		TYPE TREATMENT FACILITY							
Apr-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	7.1			12.7	1.711	7.7				6.3	< 20	11.7			
2	7.2			12.4	1.614	7.7				6.9		11.6			
3	7.4			12.9	1.544	7.6			0.04	6.4		12.4			
4	7.4	170	224	13.6	1.514	7.5	2.3	1.9		4.8		13.3	98.6	99.2	
5	7.2			13.1	2.030	7.6				4.8		13.2			
6	7.4			12.5	1.709	7.7				5.9		13.0			
7	7.4			14.0	1.740	7.7				5.6		14.7			
8	7.2			14.3	1.585	7.7				4.9	< 20	15.8			
9	7.4			14.8	1.561	7.6				4.9		16.0			
10	7.3			14.9	1.446	7.6				4.9		16.4			
11	7.4			15.5	1.443	7.8			0.06	4.9		17.0			
12	7.2	205	240	14.0	1.327	7.7	2.2	2.1		5.5		14.9	98.9	99.1	
13	7.1			14.0	1.465	7.6				5.6		13.8			
14	7.3			12.5	1.807	7.6				4.5		12.6			
15	7.3			14.7	2.073	7.8				5.6	< 20	13.6			
16	7.3			14.9	1.194	7.7				5.9		15.4			
17	7.3			15.6	1.393	7.6				5.1		17.0			
18	7.2			16.2	1.603	7.6			0.21	4.7		16.8			
19	7.2	155	206	14.8	2.015	7.6	3.0	3.1		6.0		15.4	98.1	98.5	
20	7.1			14.1	1.681	7.5				6.3		14.3			
21	7.0			14.2	1.657	7.5				5.9		14.8			
22	7.1			15.9	1.420	7.5				6.2	48.6	16.8			
23	7.3			16.2	1.488	7.6				5.9		17.1			
24	7.2			16.3	1.564	7.6				5.1		17.2			
25	7.3			16.4	1.640	7.6			0.04	5.5		17.1			
26	7.2	185	218	16.0	1.629	7.7	2.1	2.0		5.4		16.7	98.9	99.1	
27	7.1			15.9	1.769	7.5				5.1		16.4			
28	7.2			16.0	1.790	7.6				5.9		15.9			
29	7.3			16.6	1.600	7.6				5.4	< 20	16.7			
30	7.3			17.1	1.559	7.6			0.04	5.1		17.6			
Total					48.571										
Avg		179	222	15	1.619		2.4	2.3	0.08	5.5	25.7	15.2	98.6	99.0	
Min	7.0	155	206	12	1.194	7.5	2.1	1.9	0.04	4.5	< 20	11.6	98.1	98.5	
Max	7.4	205	240	17	2.073	7.8	3.0	3.1	0.21	6.9	48.6	17.6	98.9	99.2	

MONTHLY MONITORING					QUARTERLY MONITORING					
DATE	Oil & Grease mg/L	Selenium µg/L	SM1 Hardness mg/L	SM2 Hardness mg/L	Phosphorus mg/L	SM1 Phosphorus mg/L	T. Nitrogen mg/L	SM1 T. Nitrogen mg/L	TR. Cadmium ug/L	TR. Copper µg/L
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16	< 5.0	< 1.0	208	289	3.6	< 0.10	16.1	0.7	< 5.0	< 10.0
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
Total	< 5.0	< 1.0	208	289	3.6	< 0.10	16.1	0.7	< 5.0	< 10.0
Avg	< 5.0	< 1.0	208	289	3.6	< 0.10	16.1	0.7	< 5.0	< 10.0
Min	< 5.0	< 1.0	208	289	3.6	< 0.10	16.1	0.7	< 5.0	< 10.0
Max	< 5.0	< 1.0	208	289	3.6	< 0.10	16.1	0.7	< 5.0	< 10.0

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

OPERATIONAL CONTROLS/LABORATORY TEST REQUIRED FOR "ACTIVATED SLUDGE" PROCESSES												
DATE	SLUDGE DISP. LBS. DRY WEIGHT	#1 Aeration Basin, O-Ditch, Etc.				#2 Aeration Basin, O-Ditch, Etc.				*Weather Conditions		
		MIXED LIQUOR				MIXED LIQUOR				* Ambient Temp ° F	*RAIN inches	Time
		* DO mg/l	** MLSS mg/l	*Settleability		* DO mg/l	** MLSS mg/l	*Settleability				
				*30 min ml	Temp ° C			*30 min ml	Temp ° C			
1		3.0	5,480	800	11.9	4.3	4,000	530	11.7	31	0	7:30
2		3.7	5,280	720	11.8	4.5	4,450	570	11.6	34	0	7:30
3		2.4	5,280	720	12.5	3.3	4,790	680	12.5	44	0	7:30
4		1.3	5,330	720	13.6	1.4	4,270	530	13.5	53	0.75	7:30
5		1.3	5,100	710	13.0	1.4	4,050	430	13.1	50	0.25	7:30
6		3.2	4,890	700	12.9	3.9	4,170	570	13.0	43	0	7:30
7		1.6	5,180	700	14.7	3.1	4,290	490	14.7	59	0	7:30
8		1.1	5,570	750	15.7	1.4	4,520	600	15.6	57	0	7:30
9	7,036	1.2	5,880	800	15.6	1.4	4,710	590	15.4	51	0	7:30
10	9,813	1.1	5,940	800	16.0	1.4	4,800	600	15.9	55	0	7:30
11	7,405	1.3	5,410	700	17.1	1.1	5,520	690	16.8	71	0	7:30
12	6,326	1.7	5,030	710	14.5	1.6	5,310	750	14.4	41	0	7:30
13	6,326	3.5	4,860	700	13.6	2.2	5,630	810	13.6	41	0	7:30
14		1.4	4,510	640	13.1	1.3	5,500	780	13.3	37	0.80	7:30
15		2.6	5,440	750	13.8	2.8	4,520	650	13.9	38	0	7:30
16	10,739	2.5	5,140	750	15.0	2.8	5,110	750	15.0	56	0	7:30
17		1.3	5,700	800	16.7	1.7	4,360	520	16.6	66	0	7:30
18		0.7	5,560	720	16.7	0.7	3,770	410	16.6	57	1.3	7:30
19		1.9	5,550	780	15.3	3.1	4,740	570	15.3	48	0	7:30
20		2.7	5,470	780	14.0	3.9	4,630	640	14.0	41	0	7:30
21		2.1	5,990	820	14.6	3.9	3,930	470	14.7	47	0	7:30
22		1.5	5,580	710	16.7	2.0	4,790	640	16.6	63	0	7:30
23	6,295	1.6	5,100	760	17.2	1.5	5,200	700	17.0	59	0	7:30
24		1.2	5,250	690	17.3	1.5	4,250	520	17.1	59	0.5	7:30
25		1.3	5,450	790	17.2	1.5	4,230	500	17.1	59	0.1	7:30
26		1.2	5,700	790	16.8	1.5	4,330	500	16.7	48	0	7:30
27		1.3	5,700	770	16.5	1.7	4,310	510	16.4	55	0.1	7:30
28		1.4	5,890	830	16.0	3.3	4,160	480	15.9	45	0	7:30
29		1.3	5,910	800	16.7	1.9	4,200	520	16.7	57	0.25	7:30
30		1.3	5,720	800	17.9	1.4	4,530	610	17.8	62	0	7:30
COMMENTS:												

COMMENTS:

TESTS PERFORMED BY (PRINT) John Hornback	SIGNATURE 	PHONE # (573)365-0455	DATE 5/6/2019
REPORT APPROVED BY (PRINT) Gary Hutchcraft	SIGNATURE 	PHONE # (573)365-0455	DATE 5/6/2019

*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			
YEAR	MO	DAY	TO YEAR MO DAY
2019	04	01	2019 04 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	*****	*****	*****	3.0	2.4	Weekly	24 Hour Composite
Stage Type: End of Pipe	REQRMT	*****	*****	*****	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	REQRMT	*****	*****	*****	*****	Monthly Average Minimum : 85	Monthly	Calculated
Escherichia coli (E. coli) (51040)	REPORTD	*****	*****	*****	48.6	25.7	Weekly	Grab
Stage Type: End of Pipe	REQRMT	*****	*****	*****	7 Day Geometric : 630	30 Day Geometric Mean : 126	Weekly	Grab
Flow, in conduit or thru treatment plant (50050)	REPORTD	2.073	1.619	*****	*****	*****	Daily	Total Measured
Stage Type: End of Pipe	REQRMT	Daily Maximum : Monitoring Required	Monthly Average : Monitoring Required	*****	*****	*****	Daily	Total Measured
Nitrogen, ammonia total (as N) (00610)	REPORTD	*****	*****	*****	0.21	0.08	Weekly	Grab
Stage Type: End of Pipe	REQRMT	*****	*****	*****	Daily Maximum : 6.0	Monthly Average : 1.1	Weekly	Grab
Oil and grease (soxhlet extr.) tot. (00550)	REPORTD	*****	*****	*****	<5.0	<5.0	Monthly	Grab
Stage Type: End of Pipe	REQRMT	*****	*****	*****	Daily Maximum : 15	Monthly Average : 10	Monthly	Grab
pH (00400)	REPORTD	*****	*****	*****	7.5	7.8	Weekly	Grab
Stage Type: End of Pipe	REQRMT	*****	*****	*****	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	TELEPHONE	573-365-0455
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		2019-05-07 09:44:25
Gary F Hutchcraft	Gary F Hutchcraft	Date
TYPED OR PRINTED NAME	SIGNATURE	

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			
YEAR	MO	DAY	TO YEAR MO DAY
2019	04	01	2019 04 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	REQRMT	*****	*****	Daily Maximum : 9.1	*****	Monthly Average : 3.6	Monthly	Grab
Suspended Solids, percent removal (81011)	REPORTD	*****	*****	*****	*****	98.5	Monthly	Calculated
Stage Type: End of Pipe	REQRMT	*****	*****	*****	*****	Monthly Average Minimum : 85	Monthly	Calculated
Total Suspended Solids (TSS) (00530)	REPORTD	*****	*****	*****	3.1	2.3	Weekly	24 Hour Composite
Stage Type: End of Pipe	REQRMT	*****	*****	*****	Weekly Average : 45	Monthly Average : 30	Weekly	24 Hour Composite

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OPERATOR IN RESPONSIBLE CHARGE		7305
Gary Hutchcraft		CERTIFICATE NUMBER
TYPED OR PRINTED NAME	TELEPHONE	573-365-0455
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		2019-05-07 09:44:25
Gary F Hutchcraft	Gary F Hutchcraft	Date
TYPED OR PRINTED NAME	SIGNATURE	

Page 2

PERMITTEE NAME/ADDRESS

State of Missouri
Department of Natural Resources

Dep. of Natural Resources
(REGIONAL OFFICE)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
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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

MO0103241	SM2 A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
2019	04	01	2019	04	30

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

Parameter	FROM	TO	MASS		Unit	CONCENTRATION		Unit	FREQUENCY OF ANALYSIS	SAMPLE TYPE	LAB CODE	
			REPORT	REQUIREMENT		Daily Maximum	Monthly Average					
Hardness, total (as CaCO ₃) (00900)			*****	*****		289	*****	289		Monthly	Grab	
Stage Type: Instream Monitoring			*****	*****		Daily Maximum : Monitoring Required	*****	Monthly Average : Monitoring Required	mg/L	Monthly	Grab	

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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	2019-05-07 09:44:25	
TYPED OR PRINTED NAME	SIGNATURE	Date	

Page 3

PERMITTEE NAME/ADDRESS

State of Missouri
Department of Natural Resources
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4178914399 (fax)

NAME: Lake of the Ozarks Regional WWTP 1
ADDRESS: #3 Anderson Road
LAKE OZARK, MO 65049

MO0103241		001 B	
PERMIT NUMBER		DISCHARGE NUMBER	
MONITORING PERIOD			
YEAR	MO	DAY	YEAR
2019	04	01	2019 06 30

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

Parameter		MASS	Unit	CONCENTRATION	Unit	FREQUENCY OF ANALYSIS	SAMPLE TYPE	LAB CODE
Cadmium, total recoverable (01113)	REPORTD	*****	*****	<5.0	*****	<5.0	Quarterly	Grab
Stage Type: End of Pipe	REQRMT	*****	*****	Daily Maximum : Monitoring Required	*****	Monthly Average : Monitoring Required	Quarterly	Grab
Copper, total recoverable (01119)	REPORTD	*****	*****	<10.0	*****	<10.0	Quarterly	Grab
Stage Type: End of Pipe	REQRMT	*****	*****	Daily Maximum : Monitoring Required	*****	Monthly Average : Monitoring Required	Quarterly	Grab
Nitrogen, total (as N) (00600)	REPORTD	*****	*****	16.1	*****	16.1	Quarterly	Grab
Stage Type: End of Pipe	REQRMT	*****	*****	Daily Maximum : Monitoring Required	*****	Monthly Average : Monitoring Required	Quarterly	Grab
Phosphorus, total (as P) (00665)	REPORTD	*****	*****	3.6	*****	3.6	Quarterly	Grab
Stage Type: End of Pipe	REQRMT	*****	*****	Daily Maximum : Monitoring Required	*****	Monthly Average : Monitoring Required	Quarterly	Grab

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TYPED OR PRINTED NAME		573-365-0455
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE
Gary F Hutchcraft	Gary F Hutchcraft	2019-05-07 09:51:18
TYPED OR PRINTED NAME	SIGNATURE	Date

Page 1

PERMITTEE NAME/ADDRESS

State of Missouri
Department of Natural Resources
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MO0103241		SM1 A	
PERMIT NUMBER		DISCHARGE NUMBER	
MONITORING PERIOD			
YEAR	MO	DAY	YEAR
2019	04	01	2019 06 30

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

Parameter		MASS	Unit	CONCENTRATION	Unit	FREQUENCY OF ANALYSIS	SAMPLE TYPE	LAB CODE
Nitrogen, total (as N) (00600)	REPORTD	*****	*****	0.70	*****	0.70	Quarterly	Grab
Stage Type: Instream Monitoring	REQRMT	*****	*****	Daily Maximum : Monitoring Required	*****	Monthly Average : Monitoring Required	Quarterly	Grab
Phosphorus, total (as P) (00665)	REPORTD	*****	*****	<0.10	*****	<0.10	Quarterly	Grab
Stage Type: Instream Monitoring	REQRMT	*****	*****	Daily Maximum : Monitoring Required	*****	Monthly Average : Monitoring Required	Quarterly	Grab

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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	2019-05-07 09:51:18
TYPED OR PRINTED NAME	SIGNATURE	Date

Page 2

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

Safe

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Bids for 1 - Replacement Eastech 2220 Ultrasonic Flow Meter w/FB5 Tranducers for RAS flumes

Bidder	From E/R Budget	Total Bid	Equipment
Municipal Equipment	"	\$5,214.00	Vantage 2220 w/dual FB5 30ft Cables
JCI Industries, Inc.	"	\$3,850.00	Vantage 2220 w/dual FB5 30ft Cables
Eastech Flow Controls	"	\$2,970.00	Vantage 2220 w/dual FB5 30ft Cables
			w/ 18 month factory warranty
	Repair option	\$2,225.00	Repair existing Vantage 2220 w/NO FB5
			w/ 90 day factory warranty