

**OSAGE BEACH / LAKE OZARK
JOINT SEWER BOARD MEETING
AGENDA
JULY 16, 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

Page Numbers

Regular Meeting: June 18, 2019

3-4

4. REPORTS

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Revenue Budget Analysis	21
Expenditure Budget Analysis	23
Income & Expense Summary	25
Check Registers & Bank Statements	27-30
June Alliance Report of Operations	31-46
Approval of Flow Charts June 2019	

5. OLD BUSINESS

A. Board Representative update

B. Discussion and Possible action for replacement ABBA impellers for RAS pumps

6. NEW BUSINESS

A. Review of 2018 Joint Sewer Audit prepared by Gerding, Korte & Chitwood CPA's

7. ADDITIONAL DISCUSSION ITEMS

8. ADJOURNMENT

**THE NEXT MEETING WILL BE AUGUST 20, 2019 4:00 PM @ LAKE OZARK
CITY HALL**

**LAKE OZARK-OSAGE BEACH
JOINT SEWER BOARD**
Meeting Minutes – June 18, 2019

CALL TO ORDER:

Mayor John Olivarri called the meeting to order at 4:00pm on Tuesday, June 18, 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 – Absent
Alderman Osage Beach, Greg Massey - Present
Alderman Lake Ozark, Judy Neels- Present
Public Works Director Osage Beach, Nick Edelman - Present
Public Works Director Lake Ozark, Matt Michalik – Absent
Resident Member, Mr. Gary Hamner - Absent

MINUTES:

Alderman Neels motioned to approve the meeting minutes of May 21, 2019. The motion was seconded by Public Works Director Edelman. The motion passed unanimously.

REPORTS:

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

Alliance Report of Operations: The average daily incoming flow for May was 1.853 mgd. We had 9.9 inches of precipitation measured at the WWTP in May.

Operationally, the plant's discharge was excellent, with an effluent monthly average BOD of 2.1 mg/l and TSS of 2.4 mg/l respectively for May, which represents a 98.9% or better removal.

The MLSS average for both aeration basins was 5,148 mg/l in May. The total dry weight sludge inventory for May totaled 340,596 pounds. There were 49 tanker loads or 181,300 gallons of bio solids land applied in May. We also received 12 tanker loads or 25,500 gallons of septage for the month of May.

APPROVAL OF FLOW CHART

Motion was made by Public Works Director Edelman to approve the Flow Chart for May, seconded by Alderman Neels. Motion passed unanimously.

OLD BUSINESS:

- A. Board Representative Update: Director Edelman advised that the generator project is progressing.

NEW BUSINESS:

- A. Replacement of ABBA impellers for RAS pumps. Bids from ABBA Pump Parts and Service, JCI Industries, Inc. and Letts, Van Kirk & Associates were reviewed. After discussion, Director Edelman motioned to accept the bid of JCI Industries in the amount of \$7,000.00 provided they are the authorized distributors for ABBA parts in this region. His motion was seconded by Alderman Massey and was then unanimously approved.

ADDITIONAL DISCUSSION ITEMS: None at this time.

ADJOURNMENT:

With no further business to discuss the meeting adjourned at 4:11 pm.

Approved On

Mayor, John Olivarri

City Clerk, Kathy Vance

JOINT SEWER BOARD
BILL LIST
JULY 16, 2019

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:	\$	112.76
OPERATING FUND BILLS TO BE PAID:	\$	31,797.56
EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:	\$	-
EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:	\$	-
TOTAL	\$	31,910.32

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:

Account	Check	Paid To:	Description:	Amount:
4020	110	Municipal Equip Co.	Electrode Dome Assembly	\$ 112.76
				\$ -
				\$ -
				\$ -
				\$ -
			TOTAL	\$ 112.76

OPERATING FUND BILLS TO BE PAID:

Account	Check	Paid To:	Description:	Amount:
4000	111	Equipment Replacement Fund	Payment into ER Fund	\$ 3,467.00
4020	112	Menards	Repair pista grit lift tube	\$ 8.83
4020	113	Jani King	July	\$ 195.00
4020	114	T G. Technical Services	Bi-Annual Calib. Of O2 meter	\$ 131.35
4150	115	Clark Tire Co	Sludge Trk tire repair	\$ 72.00
4150	115	Clark Tire Co	Sludge Trk tire repair	\$ 72.00
4150	115	Clark Tire Co	Sludge Trk tire repair	\$ 65.00
4150	116	Roemer's Heavy Equip	94 GMC R&R rocker switch for air	\$ 186.98
4170	117	Alliance Water Resources, Inc.	July	\$ 24,966.00
4175		Ameren MO	11673321	\$ -
4175		Ameren MO	98041275	\$ -
4176	118	Republic	July	\$ 143.50
4020				\$ -
4020				\$ -
4176	119	AT&T	Phone July	\$ 89.90
4200	120	Gerding, Korte & Chitwood	Audit 2018	\$ 2,400.00
			TOTAL	\$ 31,797.56

EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:

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

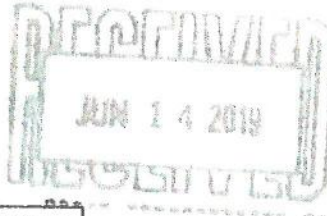
EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:

Account	Check	Paid To	Description.	Amount:
4000				\$ -
			TOTAL	\$ -



2735 MERCANTILE DRIVE
ST. LOUIS MO 63144
Phone: (314) 290-2999

Invoice	
Document No.	INV0020120
Date	6/14/2019
Page	1



Bill To:

LAKE OF THE OZARKS JOINT SEWER BOARD
P.O. BOX 1985
3 ANDERSON ROAD
LAKE OZARK MISSOURI 65049

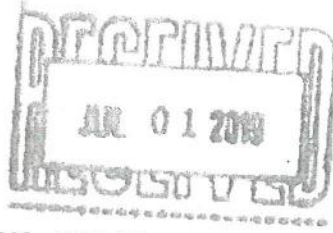
End User:

Ship To:

LAKE OF THE OZARKS JOINT SEWER BOARD
P.O. BOX 1985
3 ANDERSON ROAD
LAKE OZARK MISSOURI 65049

Purchase Order No.	Customer ID	Salesperson ID	Shipping Method	Payment Terms	Req Ship Date	Master No.
VERBAL	OZARK JSB		BESTWAY	NET 30 DAYS	5/29/2019	1 620
Ordered	Shipped	Item Number	Description	Unit Price	Ext. Price	
1	1	87B309C	ELECTRODE DOMF ASSEMBLY	\$89 31	\$89 31	
1	1	1L248A	FERRULE CONNECTION FITTING	\$10 90	\$10 90	
FOR PISTA GRIT SYSTEM GL Acct#: 4020 Signature: <i>[Signature]</i> Date: 6/14/19 pd ck# 110						
TAG. GARY H. / 573-365-0455				Subtotal	\$100 21	
				Freight	\$12 55	
				Tax	\$0 00	
				Total	\$112.76	

* GUEST COPY *



JOINT SEWER BOARD
#3 ANDERSON RD

LAKE OZARK
FAX # (573)

MO 65049

MENARDS - LAKE OZARK
1015 Barred Owl Lane
Lake Ozark, MO 65049

INVOICE # 75552

ACCOUNT : 32880271

TRANSACTION DATE : 06/27/19
TRANSACTION TIME : 131050
REGISTER NUMBER : 8
SIGNER :

TRANSACTION # : 2566
PURCHASE ORDER # : gary
TYPE OF SALE : Charge Sale
CLAIM # : gary

QUANTITY	SKU	DESCRIPTION	AMOUNT
1.00	2511020	J-B WELD STEELSTIK	4.84
1.00	2511005	JB WELD COLD WELD EPOXY	3.99

SUB-TOTAL: 8.83
TOTAL TAX: 0.00
PAYMENTS : 0.00

REPAIR PISTA GRIT LIFT TUBE
TOTAL DUE: 8.83

GL Acct#: 4020

Signature: *[Handwritten Signature]*

Date: 7/1/19

[Handwritten Signature]



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

Invoice	
Date 07/01/2019	Number CLM07190089
Due Date 07/31/2019	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



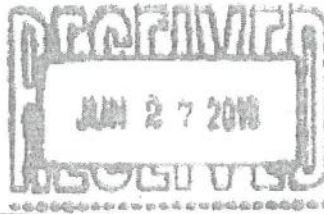
Sold To:
JOINT SEWER BOARD
3 ANDERSON RD
LAKE OZARK MO 65049

For:
ALLIANCE WATER
3 ANDERSON RD
LAKE OZARK MO 65049

Invoice No	Date	Cust No	Sisnn No	PO Number	Franchisee	Due Date
CLM07190089	07/01/2019	022031			RJ ENTERPRISES, LLC	07/31/2019
Quantity	Description				Unit Price	Extended Price
1	MONTHLY CONTRACT BILLING AMOUNT FOR JULY				195.00	195.00
GL Acct#: <u>4020</u>						
Signature: <u>[Signature]</u>						
Date: <u>6/26/19</u>						
To Pay Online Please Visit: https://quickclick.com/r/r7k					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



P.O. Box 775
Lees Summit, MO 64063



Invoice

Date	Invoice #
6/21/2019	17376

Bill To
Joint Board of the Sewage Treatment Plant Accounts Payable P.O. Box 1985 Lake Ozark, MO 65049

Ship To
Alliance Water Resources Gary Hutchcraft # 3 Anderson Road Lake Ozark, MO 65049

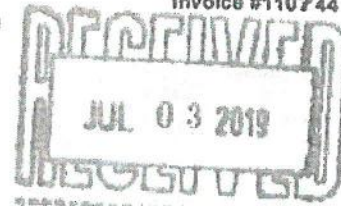
		P.O. No.	Terms	Rep	Ship Via	FOB	
			Net 30	BK	Federal Exp...	PP & A	
Qty	Item	Description			Amount - ...	Total Amount	
1	IG-34GASCAL	3-4 Gas Instrument Calibration Xam 2000 SN#EREK-0042 Shipping and Handling Fee Fedex 788030184186 <i>BI-ANNUAL CALIB. OF O2 METER</i> GL Acct#: <u>4020</u> Signature: <u><i>Gary Hutchcraft</i></u> Date: <u>6/27/19</u>			117.50	117.50	
1	Shipping				13.85	13.85	
				Subtotal	\$131.35		
Phone #		Fax #		E-mail		Sales Tax (0.0%)	\$0.00
816-524-8100		816-278-5536		bill@tgtechservices.com		Total	\$131.35

Clark Tire Company - (SUNR)

13993 N. Hwy 5, Sunrise Beach, MO 65079
Phone: 673-374-8854
www.clarktireco.com

Family owned since 1949.

Invoice #110744



Customer Information
JOINT SEWER BOARD
PO BOX 1985
LAKE OZARK, MO 65049

Acct Number:
P 573-218-8398 Contact:

Vehicle: SLUDGE TRUCK
Desc: SLUDGE TRUCK

Invoice
Date: 6/10/2019
Reference: 110744
Salesperson:
Route:
Delivery Date: 6/10/2019

Lic No:
VIN:

Additional Information
PO Number:
Work Order#: W-4532336
Comment:
Comment:
Entered By: Joel (SUNR) Clark

Mileage IN:
Mileage OUT:

*OS Info

Qty	Description	FET	Unit Price	Ext. Price
1.00	SERVICE CALL		35.00	35.00
1.00	MOUNT TIRE		30.00	30.00
Non-Tax (Non-Profit)				
Subtotal:				65.00
Tire Disposal:				7.00
Total:				\$72.00
Invoice Balance:				\$72.00

Terms: NET 30 Days

Terms:	Due Date	Due Amount	Amt Remain
	7/10/2019	\$72.00	\$72.00

Acct Balance	Current	0-29 Days	30-59 Days	60-89 Days	90+ Days
\$149.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

SLUDGE TRUCK TIRE REPAIR

GL Acct#: 450

Signature: *[Signature]*

Date: 7/3/19

"Thank you for your business."

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

W-4532336

7/03/2019 8:11 AM Page: 1 Entered By: Joel (SUNR) Clark

Signature

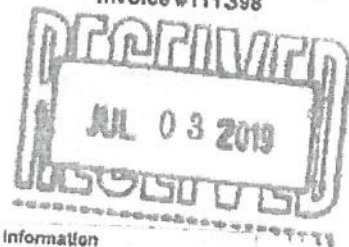
Clark Tire Company - (SUNR)

13883 N Hwy 5, Sunrise Beach, MO 65078

Phone: 673-374-8854
www.clarktireco.com

Family owned since 1949.

Invoice #111398



Customer Information
JOINT SEWER BOARD
PO BOX 1985
LAKE OZARK, MO 65048

Acct Number:
P: 573-216-8388 Contact

Vehicle SLUDGE TRUCK
Desc. SLUDGE TRUCK

Invoice
Date: 7/01/2019
Reference: 111388
Salesperson: Joel (SUNR) Clark
Route:
Delivery Date: 7/03/2019

Additional Information

PO Number:
Work Order#: W-4555888

Comment:
Comment:

Entered By: Joel (SUNR) Clark

Uc No:
VIN:

Unit:

Mileage IN:
Mileage OUT:

*OE Info

Qty	Description
1.00	MOUNT TIRE
1.00	SERVICE CALL

Non-Tax (Non-Profit)

Terms: NET 30 Days

FET	Unit Price	Ext. Price
	30.00	30.00
	35.00	35.00
Subtotal:		65.00
Tire Disposal:		7.00
Total:		\$72.00
Invoice Balance:		\$72.00

Terms:	Due Date	Due Amount	Am't Remain
	7/31/2018	\$72.00	\$72.00

Acct Balance	Current	0-29 Days	30-59 Days	60-89 Days	90+ Days
\$144.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

SLUDGE TRK TIRE REPAIR

GL Acct#: 4150

Signature: *Joel Hutchings*

Date: 7/3/19

"Thank you for your business."

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

W-4555888

7/03/2019 8:11 AM Page: 1 Entered By: Joel (SUNR) Clark

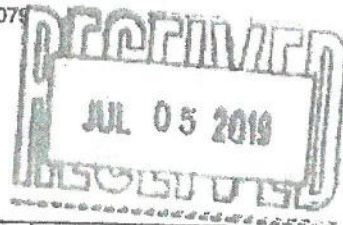
Signature

Clark Tire Company - (SUNR)

Invoice #111560

13993 N. Hwy 5, Sunrise Beach, MO 65079
Phone: 573-374-8854
www.clarktireco.com

Family owned since 1949.



Customer Information	Invoice	Additional Information
JOINT SEWER BOARD PO BOX 1985 LAKE OZARK, MO 65049 Acci Number: P. 573-216-8398 Contact:	Date: 7/05/2019 Reference: 111550 Salesperson: Joel (SUNR) Clark Route: Delivery Date: 7/05/2019	PO Number: Work Order#: W-4581339 Comment: Comment: Entered By: Joel (SUNR) Clark

Qty	Description	FET	Unit Price	Ext. Price
1.00	SERVICE CALL		35.00	35.00
1.00	MOUN TIRE		30.00	30.00

Non-Tax (Non-Profit)
Terms: NET 30 Days

Subtotal:	65.00
Total:	\$65.00
Invoice Balance:	\$65.00

Terms:	Due Date	Due Amount	Amnt Remain
	8/04/2019	\$65.00	\$65.00

Acct Balance	Current	0-29 Days	30-59 Days	60-89 Days	90+ Days
\$209.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

SLUDGE TRK TIRE REPAIR

GL Acct#: 4150
Signature: [Signature]
Date: 7/5/19

"Thank you for your business."

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

W-4581339
7/05/2019 1:00 PM Page: 1 Entered By: Joel (SUNR) Clark

Signature _____

**ROEMER'S HEAVY EQUIPMENT
& TRUCK REPAIR**
P.O. Box 191
Osage Beach, Missouri 65065
(573) 348-3733

**ROEMER'S HEAVY EQUIPMENT
& TRUCK REPAIR**
P.O. Box 191
Osage Beach, Missouri 65065
(573) 348-3733

[illegible]

CITY, STATE, ZIP Hickory NC 28649		CUST. MER SERVICE NO. 6-21-19		DATE 6-21-19
ADDRESS Box 1965		ORDER WRITTEN BY LH		PROMISED
HOME PHONE		BUSINESS PHONE		EXT.
YEAR, MAKE AND MODEL 2010		LICENSE NUMBER		ODOMETER IN
SERIAL NUMBER 2830094		MOTOR NUMBER		ODOMETER OUT
TERMS Net 30		AMOUNT		
DESCRIPTION OF WORK ☐ LUBE ☐ CHANGE OIL ☐ OIL FILTER ☐ TUNE-UP ☐ TRANS. ☐ DIFF. Replaced oil filter and oil with 5W-30				
GL Acct#: 4150 Signature: Gary Hubbert Date: 6/25/19				
LITERS/GALS. OF GAS @		TOTAL LABOR 173.00		
LITERS/QTS. OF OIL @		TOTAL PARTS 13.90		
kg/LBS OF GREASE @		ACCESSORIES		
		GAS, OIL & GREASE		
		SUBLET REPAIRS		
		EPAWASTE DISPOSAL		
I hereby authorize the above repair work to be done along with the necessary materials. You and your employees may operate above vehicle for purposes of testing, inspection, or delivery at my risk. An express mechanics lien acknowledges on above vehicle to secure the amount of repairs thereto. It is also understood that you will not be held responsible for loss or damage to cars or articles left in cars in case of fire, theft or any other cause beyond your control.		TAX		
		TOTAL 186.98		
		THANK YOU!		

Alliance Water Resources, Inc.*Professional Water and Wastewater Operations*

206 South Keene Street

Columbia, Missouri 65201

(573) 874-8080 Fax (573) 443-0833

INVOICE

Invoice No: 8426

Invoice Date: 01-Jul-19

Customer No: 20220

Terms: 30 days

SOLD TO:

Lake Ozark/Osage Beach Joint Utility Board

c/o Karri Bell

City of Osage Beach

1000 City Parkway

Osage Beach, MO 65065

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



**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 0435-000632660
Invoice Date June 20, 2019
Previous Balance \$375.56
Payments/Adjustments -\$143.09
Current Invoice Charges \$143.50

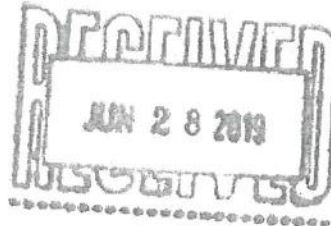
Total Amount Due	Payment Due Date
\$375.97	Past Due

PAYMENTS/ADJUSTMENTS

Description	Reference	Amount
Payment - Thank You 05/29	3765	-\$143.09

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 LIR Per 2 Weeks Pickup Service 07/01-07/31			\$102.77	\$102.77
Administrative Fee				\$5.95
Total Fuel/Environmental Recovery Fee				\$34.78
CURRENT INVOICE CHARGES, Due by July 10, 2019				\$143.50



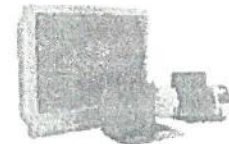
Gl. Acct#: 4176

Signature: [Signature]

Date: 6/28/19

Electronics Recycling with BlueGuard™

For more information on our electronics recycling services, visit RepublicServices.com/Electronics



Past Due	30 Days	60 Days	90+ Days
	\$232.47	\$0.00	\$0.00



35 N Frontage Road
Osage Beach MO 65065-433131

Please Return This
Portion With Payment

Total Enclosed

Return Service Requested

043418 1 AV 0383 428029



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



Total Amount Due \$375.97
Payment Due Date Past Due
Account Number 3-0435-0010208
Invoice Number 0435-000632660

Make Checks Payable To



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

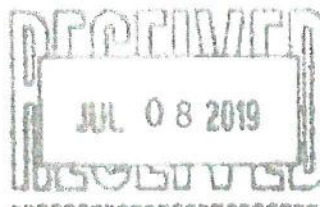
30435001020800000006326600000143500000375974

**AT&T**

JOINT SEWER BOARD
 WALLIANCE WATER RESO JRC
 PO BOX 1985
 LAKE OZARK MO 65049 1995

Page 1 of 2
 Account Number 573365 0455 579 8
 Billing Date Jun 29, 2019
 Web Site att.com

Monthly Statement

**Bill At-A-Glance**

Previous Bill	89.90
Payment Received 6-22 Thank you!	69.90CR
Adjustments	.00
Balance	.00
Current Charges	89.90
Total Amount Due	\$89.90
Amount Due in Full By	Ju 30 2019

Billing Summary

Online: att.com/myatt	Page
Plans and Services	1 75.35
1 800 321 2000	
Service Charges	
1 800 321 2000	
Repair Services	
1 800 286-8313	
AT&T Long Distance	11.52
1 800 321 2000	
Total Current Charges	89.90

GL Acct#: 4176Signature: [Signature]Date: 7/8/19**News You Can Use Summary**

- PREVENT DISCONNECT
 - LONG DIST PROVIDERS
 - PRICE INCREASE
 - COST ASSESSMENT CHRG
 - FEE DESCRIPTIONS
- See "News You Can Use" for additional information

Plans and Services

Monthly Service - Jun 29 thro Jul 28	
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
Surcharges and Other Fees	
3 Federal Subscriber Line Charge	5.56
4 Special E911 Tax	5.24
5 Federal Universal Service Fee	1.04
6 Relay Missouri Surcharge	.04
7 MO Universal Service Fund	.06
8 Cost Assessment Charge	4.35
Total Surcharges and Other Fees	16.29

Taxes	
9 Federal	1.80
10 State and Local	3.55
Total Taxes	5.15

Total Plans and Services 78.38**AT&T Long Distance****Important Information**

Notice 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 June 16, 2019)	
Current Charges	10.00
Service Charges	.00
Credits and Adjustments	.00
Call Charges	1.21
Surcharges and Other Fees	.31
Taxes	
Total Invoice Summary	11.52

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.

GO GREEN Enroll in paperless billing



JOINT SEWER BOARD
%A. HANCE WATER RESO JRC
PO BOX 1985
LAKE OZARK MO 65049 1985

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

AT&T Long Distance

Service Charges

Monthly Service Charges

Type of Service	Period	Qty	
1. 30 UNL CLG \$10 1L 1Y	06/15-07/14	1	10.00
Total Monthly Service Charges			10.00
Total Service Charges			10.00

Call Charges - May 15th thru Jun 14th

Calls for 573-365-0455

Domestic

No	Date	Time	Place Called	Number	Code	Rate	
2	5-21	138P	SPRINGFLD MO	417 831-4059	D	3:06	.00
3	5-23	924A	TULSA OK	918 684-1212	D	1:36	.00
4	5-23	930A	TULSA OK	918 684-1212	D	2:18	.00
5	5-23	937A	BELTON MO	816 388-7440	D	2:18	.00
6	5-31	1023A	ST LOUIS MO	314 436-8500	D	3:36	.00
7	5-31	216P	TULSA OK	918 684-1212	D	0:48	.00
8	5-31	217P	TULSA OK	918 684-1212	D	2:00	.00
9	6-03	937A	COLUMBIA MO	573 874-8080	D	1:24	.00
10	6-03	133P	COLUMBIA MO	573 874-8080	D	2:06	.00
11	6-03	333P	JEFFERSON MO	573 832-4253	D	0:48	.00
12	6-05	1105A	STANLEY KS	913 563-1407	D	1:42	.00
13	6-11	114P	KIRKWOOD MO	314 630-1852	D	1:06	.00
14	6-11	121P	TROY MO	836 528-4180	D	0:54	.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	
15. Federal Regulatory Fee	34
16. Federal Universal Service Fee	86
17. Missouri Universal Service Fund	31
Total Surcharges and Other Fees	151

Taxes

Description	
18. Federal Tax	39
19. State and Local Taxes	31
Total Taxes	70

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 \$89.90. 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.

PRICE INCREASE

Effective September 1, 2019, the month-to-month per line price of Business Local Calling (BLC) Unlimited B (Option B), Block of Time (Option C) and Measured (Option D) packages will increase. BLC Unlimited B (Option B) will increase from \$137.00 to \$157.00, BLC Block of Time (Option C) will increase from \$89.00 to \$109.00 and BLC Measured (Option D) will increase from \$92.00 to \$102.00. Customers currently on a BLC term plan will continue to receive their current BLC term package price. For questions about this change, please contact an AT&T Service Representative 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.

FEE DESCRIPTIONS

The Administrative Expense Fee recovers a portion of AT&T's internal costs associated with the Federal Communications Commission's Universal Service Fund and related programs. The Federal Regulatory Fee recovers amounts paid to the federal government for regulatory costs and telecommunications services for the hearing impaired, and costs associated with local number portability administration. These fees are not taxes or charges 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



06/17/19

GERDING, NORTE & CHITWOOD CPAS

Professional Corporation • Certified Public Accountants

723 Main Street

Boonville, Missouri 65233

660-882-7000 FAX 660-882-7765

LAKE OZARK - OSAGE BEACH
JOINT SEWER TREATMENT PROJECT
1000 CITY PARK WAY
OSAGE BEACH, MO 65065

We accept Mastercard, Visa & Discover

FOR PROFESSIONAL SERVICES:

AUDIT OF FINANCIAL STATEMENTS FOR THE YEAR
ENDED DECEMBER 31, 2018

TOTAL DUE \$2,400.00

C 26678

ACCOUNTS UNPAID AFTER 30 DAYS WILL BE SUBJECT TO A FINANCE CHARGE OF 1½% PER MONTH.

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

Account Number	Account Name	6/30/2019					Percent YTD
		2017 Actual	2018 Actual	2019 Budget	2019 Actual as of 6/30/2019	2019 June Revenue	
3020	Osage Beach	478,614.41	480,784.67	478,500.00	237,783.99	39,460.96	50%
3010	Lake Ozark	71,385.58	69,215.30	71,500.00	37,216.00	6,373.37	52%
3030	Misc.	0.00	1,485.00	0.00	0.00	0.00	
3100	Interest	781.57	1,484.82	400.00	1,122.06	200.21	281%
3060	Waste Haulers' Fee	30,500.00	25,780.00	30,000.00	11,280.00	1,900.00	38%
Total Operating Fund		581,281.56	578,749.79	580,400.00	287,402.05	47,934.54	50%
E/R Fund Income		2,319.07	4,281.74	3,000.00	2,187.60	100.74	73%
TOTAL INCOME		583,600.63	583,031.53	583,400.00	289,589.65	48,035.28	50%

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MONTH-TO-DATE AND YEAR-TO-DATE
EXPENDITURE/BUDGET ANALYSIS
6/30/2019

Account Number	Account Name	2017 Actual	2018 Actual	2019 Budget	2019 Actual as of 6/30/2019	2019 June Expenses	Percent YTD
4000	Equipment Replace Fund	41,604.17	41,604.17	41,604.00	20,802.00	3,467.00	50%
4020	*Maintenance & Repair	129,789.11	9,713.86	122,000.00	84,948.50	1,621.94	70%
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	520.86	29.99	7%
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	149,796.00	24,966.00	50%
4175	Electric	69,261.90	79,533.37	80,000.00	28,927.79	9,452.02	36%
4176	Utilities Misc	0.00	0.00	5,000.00	1,030.80	322.37	21%
4190	Bank Charges	24.35	24.00	60.00	40.80	4.00	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	14,351.00	0.00	9%
	Totals	592,500.98	482,548.76	729,686.25	319,041.75	39,863.32	44%
	**E/R Expenses	7,554.68	42,782.61	96,500.00	10,376.41	3,009.00	11%
	TOTAL EXPENSES	600,055.66	525,331.37	826,186.25	329,418.16	42,872.32	40%

****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
Sandblast & paint Clarifier #3	-
CARRYOVER 2018 \$68,900	-

122,000.00

*****Vehicle Repair/Maint**

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

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OPERATING FUND INCOME AND EXPENSE SUMMARY
6/30/2019

Beginning Balance	333,662.45
Income - Osage Beach	39,460.96
Income - Lake Ozark	6,372.37
Income - Other	-
Income - Waste Haulers' Fees	1,900.00
Interest - Checking	17.16
Income - CD Interest	183.05
Transfers From E/R Fund	-
Transfers to E/R Fund	(3,467.00)
Expenses	(36,276.61)
Ending Fund Balance	341,852.38
Central Bank - NOW Acct.	140,022.38
	-
CD First Bank of the Lake, 11/19 #101318432	101,830.00
CD Central Bank, 1/20 #151763	100,000.00
	-
Outstanding Checks:	-
	341,852.38

EQUIPMENT REPLACEMENT FUND INCOME AND EXPENSE SUMMARY
6/30/2019

Beginning Balance	538,093.07
Interest - Checking	100.74
Income - CD Interest	-
Transfers to E/R Fund	3,467.00
Income - Miscellaneous	-
Expenses	(3,009.00)
Ending Fund Balance	538,651.81
First Bank of the Lake - Money Mkt.	133,903.76
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:	(3,009.00)
	538,651.81

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CHECK REGISTER - JOINT SEWER BOARD OPERATION FUND

	reconciled balance 4/30/19			134,491.69
3752	Equipment Replacement Fund	X	3,467.00	131,024.69
3753	Fastenal Co	X	173.21	130,851.48
3754	GLW	X	280.00	130,571.48
3755	Jani-King	X	195.00	130,376.48
3756	John Henry Foster	X	77.12	130,299.36
3757	Municipal Equipment Co.	X	194.44	130,104.92
3758	O'Reilly Auto	X	112.88	129,992.04
3759	USA Blue Book	X	276.26	129,715.78
3760	Crown Power & Equip	X	178.70	129,537.08
3761	Alliance Water Resources, Inc.	X	24,966.00	104,571.08
3762	Ameren MO	X	4,849.70	99,721.38
3763	Ameren MO	X	164.03	99,557.35
3764	AT&T	X	89.83	99,467.52
3765	Republic Services	X	143.09	99,324.43
3766	Martin Energy Group Serices, LLC	X	14,351.00	84,973.43
3767	Menards	X	191.02	84,782.41
			-	84,782.41
	Two signature verification chg.	X	5.00	84,777.41
	Deposit LO	X		91,176.61
	Deposit OB	X	6,399.20	130,610.74
	Deposit	X	39,434.13	131,630.74
	Interest	X	1,020.00	131,832.45
			201.71	131,832.45
	reconciled balance 5/31/19			131,832.45
3768	Grainger	X	226.02	131,606.43
3769	Equipment Replacement Fund	X	3,467.00	128,139.43
3770	Core & Main	X	250.60	127,888.83
101	Jani-King	X	195.00	127,693.83
102	Magruder Co.	X	27.90	127,665.93
103	Lakeland Oil Co. LLC	X	878.25	126,787.68
104	Alliance Water Resources, Inc.	X	24,966.00	101,821.68
105	Ameren MO	X	9,452.02	92,369.66
106	Republic Services		29.99	92,339.67
107	Menards	X	44.17	92,295.50
108	O'Reilly Auto	X	29.99	92,265.51
109	AT&T	X	89.90	92,175.61
110	Municipal Equipment Co.	X	112.76	92,062.85
	Two signature verification chg.	X	4.00	92,058.85
	Deposit LO	X		98,431.22
	Deposit OB	X	6,372.37	137,892.18
	Deposit	X	39,460.96	139,792.18
	Interest	X	1,900.00	139,992.39
			200.21	139,992.39
	reconciled balance 6/30/19			139,992.39

EN



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/gtb-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 06/01/2019 - 06/28/2019 Page 1 of 4

Web Address
www.centralbank.net

M
0000

Your Financial Summary on June 28, 2019

	Bank Deposits	Totals
Bank Deposit Accounts:		
Checking	\$ 140,022.38	
Certificates of Deposit	\$ 100,000.00	
Bank Deposit Total		\$ 240,022.38
Total Assets:	\$ 240,022.38	\$ 240,022.38

Detailed Explanation of Account Balances and Other Assets

Basic Plus Interest Checking

No. 000007297 Beginning Balance May 31, 2019 \$ 131,832.45

Deposits

June 18	Deposit	6,372.37
June 18	Deposit	39,460.96
June 19	Deposit	1,900.00
June 20	CD Interest 000151763	183.05
June 28	Interest Earned	17.16

Total +\$ 47,933.54

Checks

Check No.	Date Paid	Amount	Check No.	Date Paid	Amount
101	June 24	195.00	109	June 25	89.90
102	June 25	27.90	110	June 25	112.76
103	June 21	878.25	3768	June 24	226.02
104	June 20	24,966.00	3769	June 20	3,467.00
105	June 24	9,452.02	3770	June 25	250.60
108	June 25	29.99			

Total -\$ 39,695.44

Withdrawals and other charges

Date	Type	Transaction Description	
June 03	05/2019 TWO SIGNATURE VERI		4.00
June 24	MENARDS LAKE OZA8662377650 107		44.17

Total -\$ 48.17

Ending Balance June 28, 2019 \$ 140,022.38

JSB - CHECK REGISTERS 2019

CHECK REGISTER - JOINT SEWER BOARD EQUIPMENT REPLACEMENT FUND

	reconciled balance 4/30/19			127,673.69
1030	Grainger	X	913.66	126,760.03
	Interest	X		126,869.02
	Deposit	X		130,336.02
			3,467.00	
	reconciled balance 5/31/19			130,336.02
1031	Eastech Flow Controls, Inc.		3,009.00	127,327.02
	Interest	X		127,427.76
	Deposit	X		130,894.76
			3,467.00	
	reconciled balance 6/30/19			130,894.76



4558 Osage Beach Pkwy, Suite 100 536 00010 01
Osage Beach, MO 65065
(573) 348-2265

ACCOUNT:
DOCUMENTS:

PAGE: 1
06/28/2019

1

00136 3373117 10Z ATM 608.172.1.4

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 05/31/19 130,336.02
2 CREDITS 3,567.74
DEBITS .00
THIS STATEMENT 06/28/19 133,903.76

DEPOSITS
REF #.....DATE.....AMOUNT REF #.....DATE.....AMOUNT REF #.....DATE.....AMOUNT
06/19 3,467.00

OTHER CREDITS
DESCRIPTION DATE AMOUNT
INTEREST 06/28 100.74

INTEREST
AVERAGE LEDGER BALANCE: 131,574.23 INTEREST EARNED: 100.74
AVERAGE AVAILABLE BALANCE: 131,326.59 DAYS IN PERIOD: 28
INTEREST PAID THIS PERIOD: 100.74 ANNUAL PERCENTAGE YIELD EARNED: 1.00%
INTEREST PAID 2019: 741.50

*** CONTINUED ***



Z021546

NOTICE: SEE REVERSE SIDE FOR IMPORTANT INFORMATION



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MISSION**

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

**Alliance Water
Resources,
Inc.**

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

(573)874-8080



REPORT OF OPERATIONS

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

Month of June 2019

Submitted by Alliance Water Resources, Inc. for the

July 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	1.5	1.1	N/A	< 20		0.12	< 4.9	< 1.0
Peak Day	2.2	1.4	8.0	< 20		0.41	< 4.9	< 1.0
Percent Removal	99.3	99.6	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 1.897 MGD or 63% 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 97664 pounds of BOD.

BIOSOLIDS APPLICATION AND INVENTORY

Plant personnel land applied 44 tanker loads of bio-solids during the month equivalent to a total of 162,800 gallons and 51,872 pounds dry weight solids.

203,817 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 450,000 gallons with a level of 7.0 feet in Tank 1 and 3.0 feet in Tank 2.

WASTEHAULERS

The plant received 19 loads of septage during the month totaling 47,500 gallons.

WWTP OPERATIONS

- Decanting digesters and wasting weekly.
- Normal operations.

WWTP MAINTENANCE AND REPAIR

- Performed routine maintenance throughout the month as per Antero Maintenance Data Management schedule. (New version of Operator 10 Software)
- We took the sludge truck to Roemers to have the control switch replaced for the air conditioner on the 20th of June and while he had it he charged it up with freon.
- We noticed that the pista grit was not working properly on the 27th and found that the lift tube had a small hole in it up by a weld by the top flange. We took some JB weld and patched it until we can budget for a replacement this next year.

SAFETY

- We conducted our monthly routine Safety Meeting on Street Maintenance Worker Safety on the 12th of June.

REGULATORY AGENCY, INSPECTION AND REPORTS

- We filled out the EDMR on MDNR's website on the 5th of July.
- We took & shipped the annual Chronic Wet test samples throughout the week of 23rd through the 28th of June.

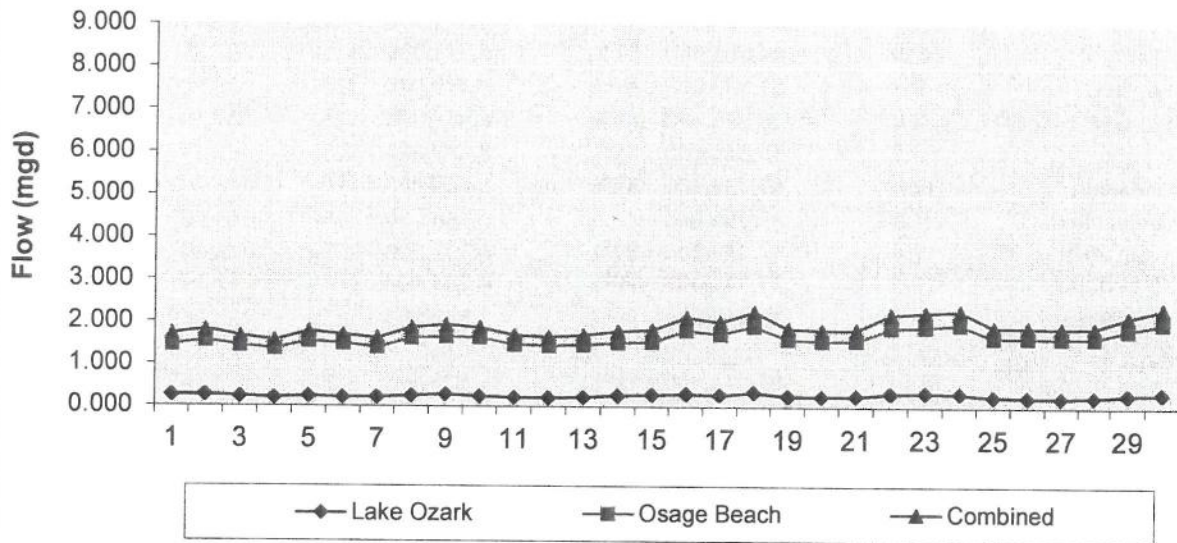
MISCELLANEOUS AND RECOMMENDATIONS

TABLE A
LAKE OZARK/OSAGE BEACH WWTP

MONTH OF June 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-Jun	0	0.258	1.452	1.710	15.1	84.9						
2-Jun	0	0.263	1.559	1.822	14.4	85.6						
3-Jun	0	0.226	1.441	1.667	13.6	86.4						
4-Jun	0	0.200	1.359	1.559	12.8	87.2						
5-Jun	0.75	0.236	1.544	1.780	13.3	86.7						
6-Jun	0.2	0.207	1.492	1.699	12.2	87.8	218	363	180	170	484	296
7-Jun	0	0.217	1.396	1.613	13.5	86.5						
8-Jun	0.4	0.248	1.625	1.873	13.2	86.8						
9-Jun	0	0.284	1.652	1.936	14.7	85.3						
10-Jun	0	0.239	1.636	1.875	12.7	87.3						
11-Jun	0	0.216	1.472	1.688	12.8	87.2						
12-Jun	0	0.204	1.446	1.650	12.4	87.6						
13-Jun	0.3	0.225	1.471	1.696	13.3	86.7						
14-Jun	0	0.267	1.522	1.789	14.9	85.1	280	230	285	202	476	420
15-Jun	0.5	0.290	1.540	1.830	15.8	84.2						
16-Jun	0.5	0.309	1.817	2.126	14.5	85.5						
17-Jun	0	0.281	1.736	2.017	13.9	86.1						
18-Jun	2	0.345	1.924	2.269	15.2	84.8						
19-Jun	0	0.259	1.609	1.868	13.9	86.1						
20-Jun	0.1	0.249	1.576	1.825	13.6	86.4						
21-Jun	0	0.255	1.580	1.835	13.9	86.1	173	165	153	94	186	212
22-Jun	0.5	0.321	1.876	2.197	14.6	85.4						
23-Jun	0	0.341	1.907	2.248	15.2	84.8						
24-Jun	0.75	0.324	1.967	2.291	14.1	85.9						
25-Jun	0	0.251	1.650	1.901	13.2	86.8						
26-Jun	0	0.237	1.656	1.893	12.5	87.5						
27-Jun	0	0.229	1.647	1.876	12.2	87.8						
28-Jun	0	0.249	1.646	1.895	13.1	86.9	245	178	205	208	130	320
29-Jun	0	0.301	1.842	2.143	14.0	86.0						
30-Jun	0	0.333	2.011	2.344	14.2	85.8						
SUM	6.0	7.864	49.051	56.915								
AVG		0.262	1.635	1.897	14	86	229	234	206	169	319	312
NOTE: BOLD PRINT INDICATES WEEKEND DAYS												

**Daily Flow
Figure 1**



**Effect of Rainfall on Flow
Figure 2**

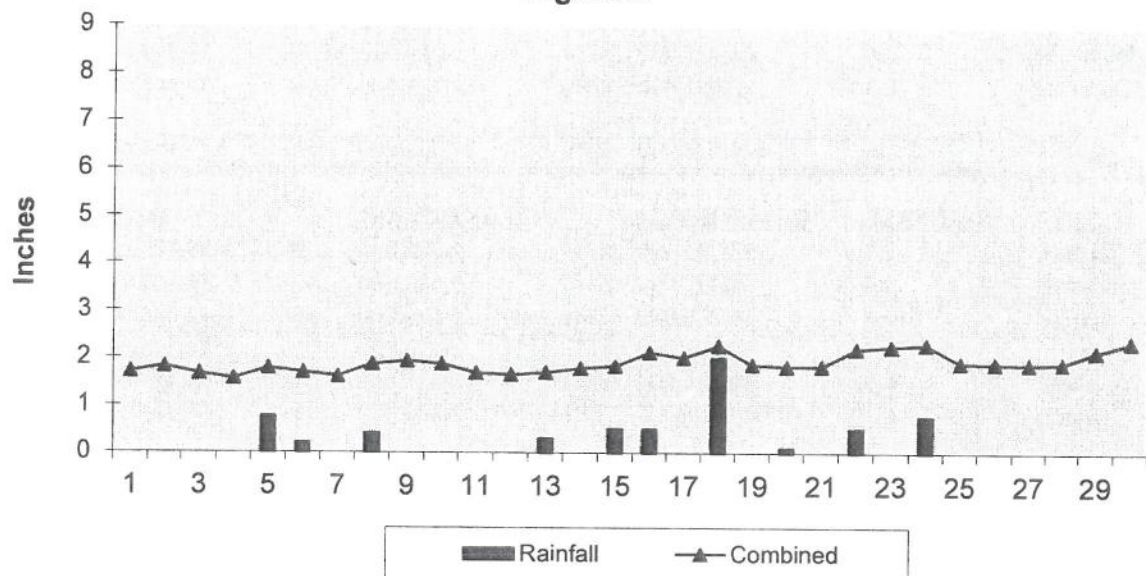
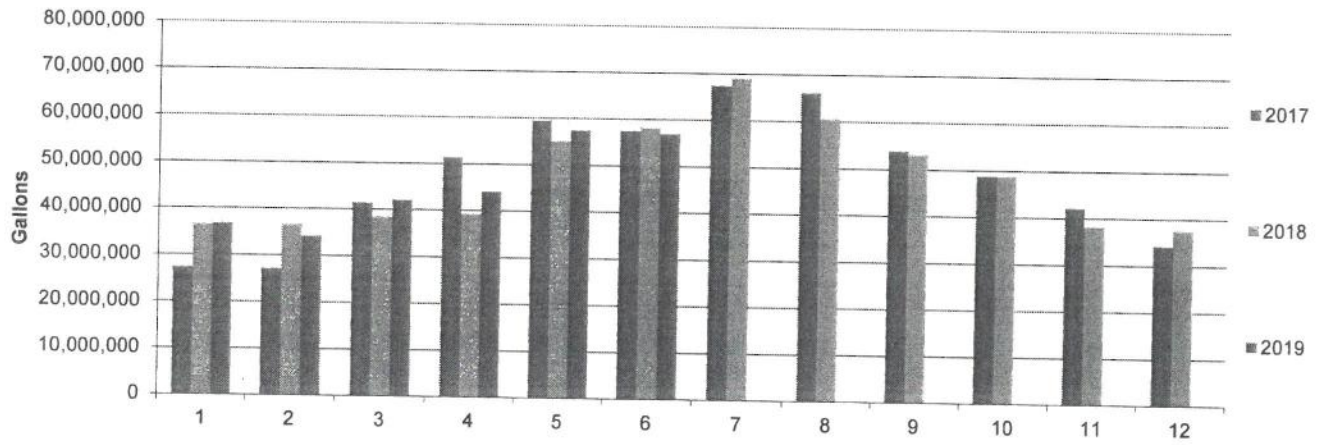


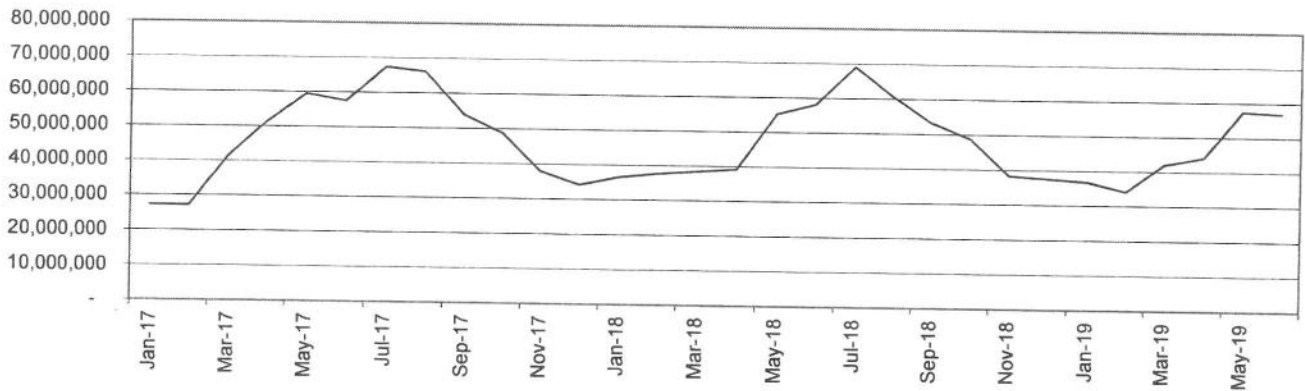
TABLE B
JOINT SEWER BOARD
Monthly Flows

<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						-	
August						-	
September						-	
October						-	
November						-	
December						-	
	32.7	233,953,000	86%	37,566,000	14%	271,519,000	100%

Monthly Influent Flow
Figure 3A

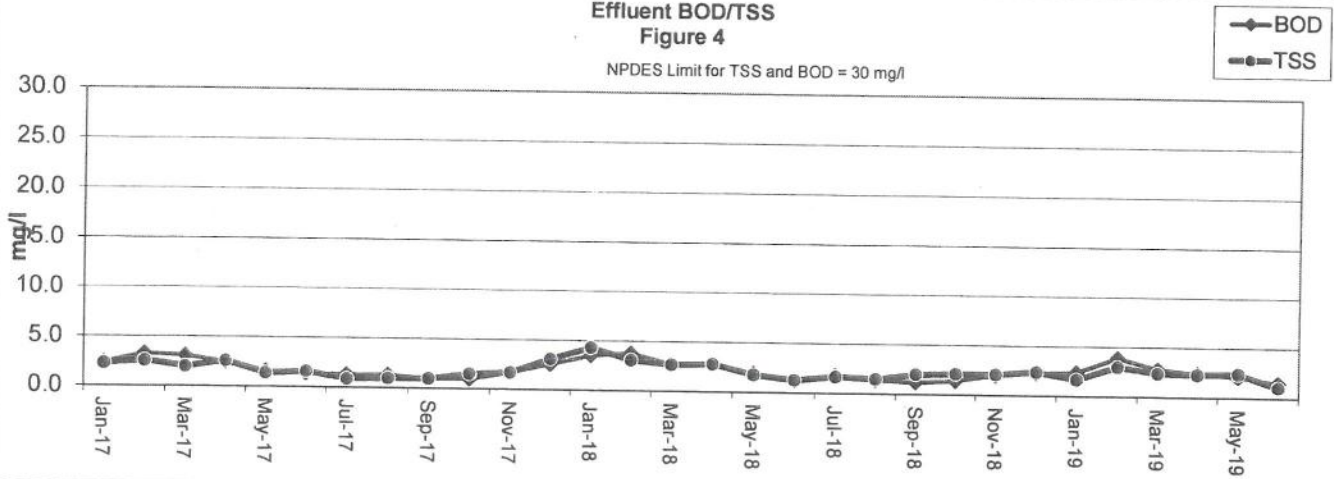


Monthly Influent Flow
Figure 3B



Effluent BOD/TSS
Figure 4

NPDES Limit for TSS and BOD = 30 mg/l



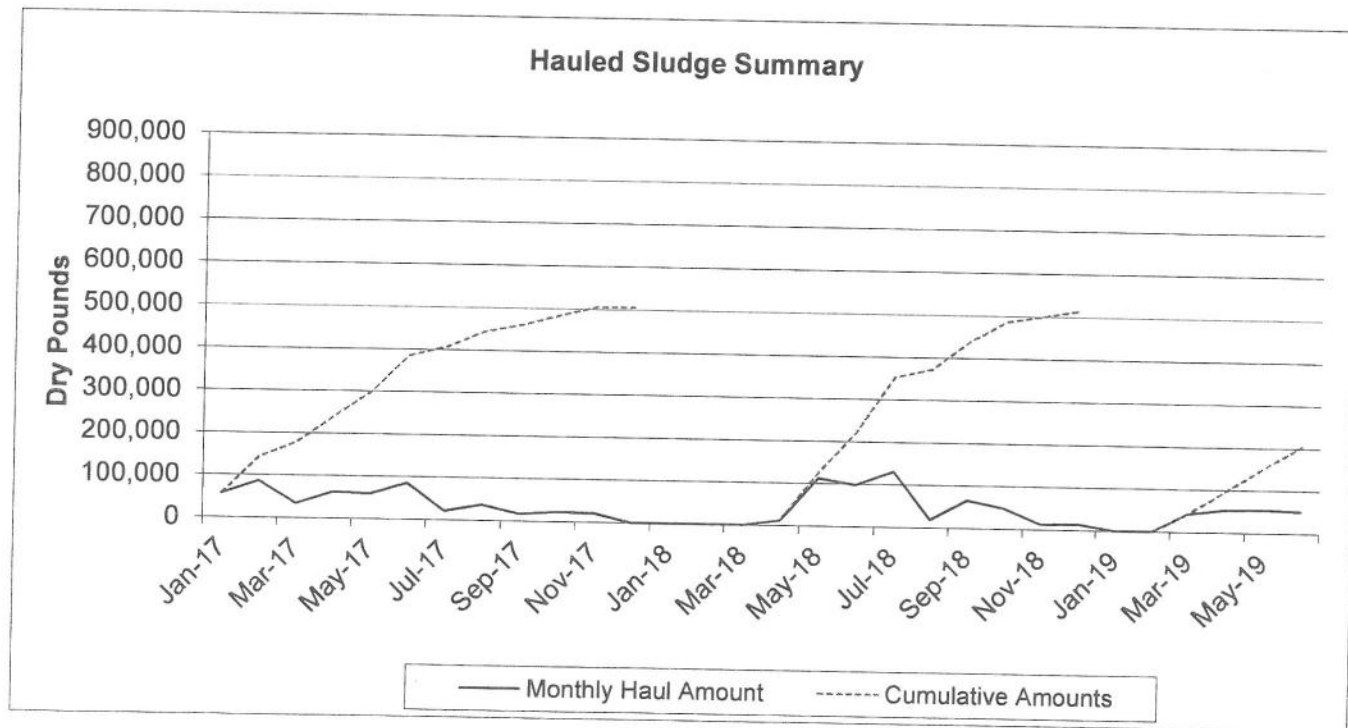
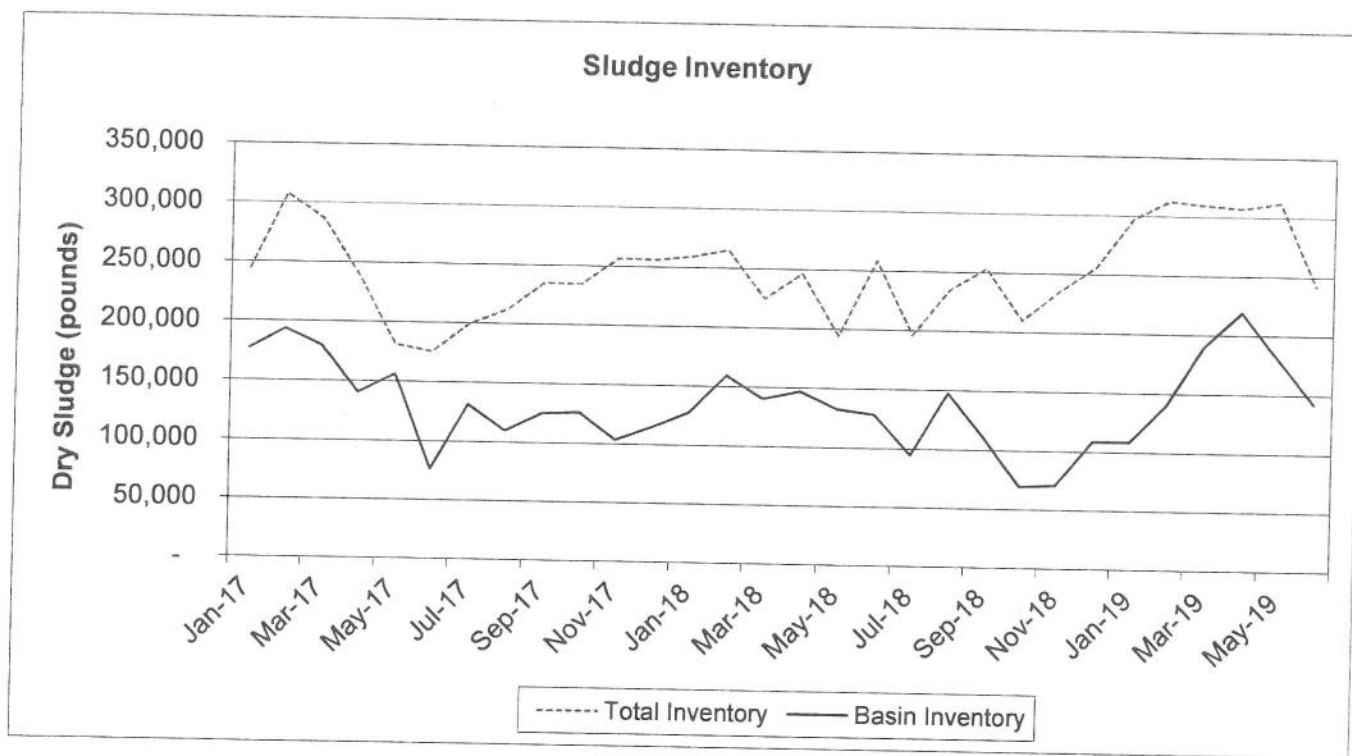
Loads	Hauled Sludge			Annual Cumulative # Dry
	Gallons	# Dry	% Solids	
Jan-17	173,000	96,748	3.8%	56,784
Feb-17	251,600	96,649	4.1%	143,397
Mar-17	33,000	178,205	3.4%	34,808
Apr-17	218,300	61,994	3.4%	240,199
May-17	51,000	299,755	3.8%	299,755
Jun-17	188,700	59,566	3.7%	385,479
Jul-17	277,500	85,724	3.5%	77,000
Aug-17	144,300	37,030	3.1%	44,140
Sep-17	59,200	17,311	3.5%	461,451
Oct-17	20,740,000	32,051	3.7%	484,502
Nov-17	74,000	505,794	3.4%	505,794
Dec-17	0	21,292	3.4%	505,794
Jan-18	0	0	3.4%	0
Feb-18	0	0	3.4%	0
Mar-18	0	0	3.4%	0
Apr-18	11,407,000	12,096	3.6%	12,096
May-18	83,344,000	112,693	3.9%	124,789
Jun-18	88,325,000	97,758	3.6%	222,547
Jul-18	126,466,200	131,023	3.4%	353,570
Aug-18	12,44,400	19,441	5.3%	373,011
Sep-18	51,188,700	66,098	4.2%	439,109
Oct-18	38,140,800	48,447	4.1%	487,556
Nov-18	11,407,000	12,899	3.8%	500,455
Dec-18	14,51,800	14,688	3.4%	515,143
Jan-19	0	0	3.4%	0
Feb-19	0	0	3.4%	0
Mar-19	36,133,200	43,139	3.9%	43,139
Apr-19	39,144,300	53,940	4.5%	97,079
May-19	49,181,300	54,866	3.7%	151,945
Jun-19	44,162,800	51,872	3.8%	203,817

Loads	Basin Depths		# Dry	MLSS Inventory		Blanket and MLSS Inventory		MLSS % Solids	Total Dry	
	Tank #1	Tank #2		AB #1	AB #2	Gallons	# Dry			
Jan-17	6.0	6.0	0.0	540,000	-	5,080	1,861,190	78,653	0.00508	255,986
Feb-17	5.5	7.0	0.0	592,500	-	4,090	1,913,499	65,271	0.00409	258,991
Mar-17	7.5	6.5	0.0	630,000	-	5,400	1,896,714	85,420	0.0054	265,019
Apr-17	6.5	4.5	0.0	495,000	-	4,630	2,184,858	84,367	0.00463	224,939
May-17	7.0	4.0	0.0	495,000	3,420	2,480	2,666,119	90,198	0.00198	246,426
Jun-17	2.5	3.0	0.0	247,500	4,530	3,000	3,762,833	118,153	0.00377	194,610
Jul-17	4.5	5.5	0.0	450,000	4,670	3,650	3,657,238	126,886	0.00416	258,426
Aug-17	5.0	4.5	0.0	427,500	2,910	2,740	3,670,071	86,469	0.00283	196,173
Sep-17	6.0	3.5	0.0	405,000	3,880	3,300	3,670,071	109,884	0.00359	234,892
Oct-17	8.0	1.0	0.0	405,000	2,820	3,780	3,670,071	127,025	0.00415	253,182
Nov-17	4.5	3.5	0.0	360,000	4,060	4,590	3,676,119	106,250	0.00348	209,832
Dec-17	6.0	3.0	0.0	405,000	3,680	4,120	3,687,833	119,950	0.0039	234,792
Jan-18	5.5	4.5	0.0	450,000	4,390	4,040	3,626,643	127,486	0.00422	255,090
Feb-18	7.5	5.5	0.0	592,500	4,880	3,920	3,750,000	137,610	0.0044	297,113
Mar-18	5.5	5.5	0.0	495,000	5,580	5,780	3,639,476	172,406	0.00568	312,769
Apr-18	5.0	6.0	0.0	495,000	5,670	5,670	3,639,476	162,544	0.00536	309,555
May-18	4.5	4.5	0.0	405,000	5,953	5,547	3,639,476	174,683	0.00576	307,321
Jun-18	4.0	5.5	0.0	427,500	6,190	5,490	3,767,762	183,511	0.00584	312,100
Jul-18	3.0	4.5	0.0	337,500	4,950	4,950	3,691,785	147,174	0.00478	242,026
Aug-18	2.5	2.5	0.0	337,500	4,570	4,170	3,705,595	136,753	0.00443	264,531
Sep-18	4.5	2.5	0.0	315,000	3,920	3,340	3,626,643	109,794	0.00363	220,132
Oct-18	3.0	1.5	0.0	202,500	4,290	3,640	3,617,762	119,939	0.00397	189,409
Nov-18	2.5	2.5	0.0	225,000	4,100	4,640	3,635,524	132,500	0.00437	203,809
Dec-18	6.5	2.0	0.0	392,500	4,120	3,420	4,008,526	126,035	0.00377	234,494
Jan-19	5.0	3.5	0.0	382,500	4,650	4,480	3,635,524	138,412	0.00457	246,874
Feb-19	6.0	3.0	0.0	495,000	4,570	4,740	3,635,524	141,141	0.00466	281,503
Mar-19	6.0	7.0	0.0	585,000	4,780	3,920	3,626,643	131,571	0.00435	321,848
Apr-19	5.5	7.5	0.0	585,000	5,720	4,530	3,678,952	157,048	0.00513	376,798
May-19	8.0	5.0	0.0	585,000	5,160	5,160	3,723,357	160,077	0.00516	340,586
Jun-19	7.0	3.0	0.0	450,000	5,610	4,810	3,771,714	163,886	0.00521	306,500

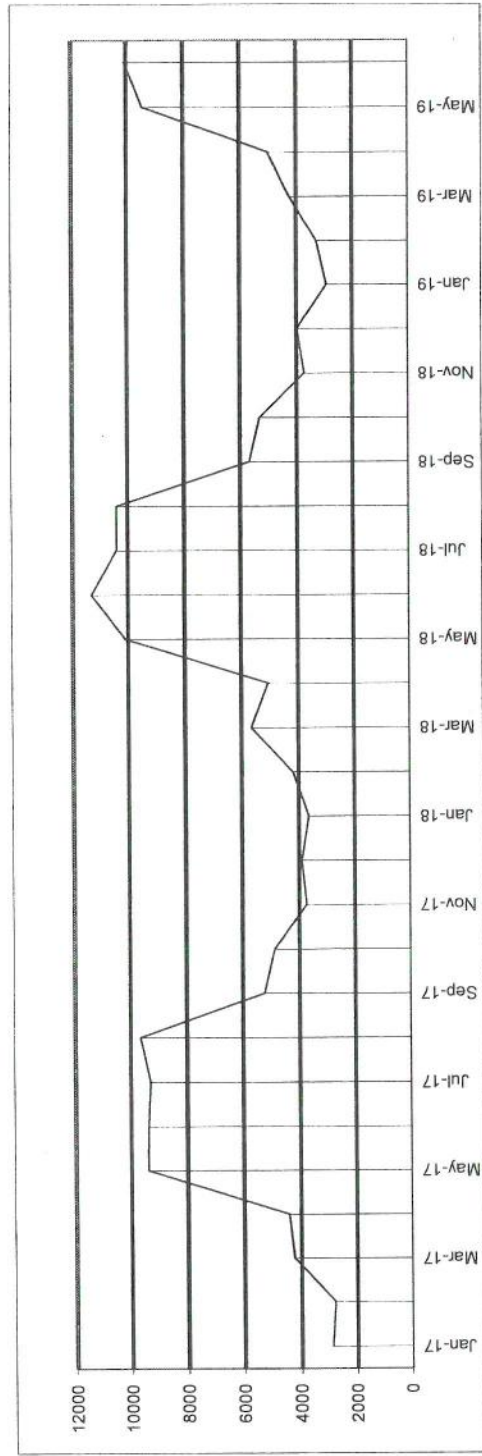
Loads	Hauled Sludge			Annual Cumulative # Dry
	Gallons	# Dry	% Solids	
Jan-17	173,000	96,748	3.8%	56,784
Feb-17	251,600	96,649	4.1%	143,397
Mar-17	33,000	178,205	3.4%	34,808
Apr-17	218,300	61,994	3.4%	240,199
May-17	51,000	299,755	3.8%	299,755
Jun-17	188,700	59,566	3.7%	385,479
Jul-17	277,500	85,724	3.5%	77,000
Aug-17	144,300	37,030	3.1%	44,140
Sep-17	59,200	17,311	3.5%	461,451
Oct-17	20,740,000	32,051	3.7%	484,502
Nov-17	74,000	505,794	3.4%	505,794
Dec-17	0	21,292	3.4%	505,794
Jan-18	0	0	3.4%	0
Feb-18	0	0	3.4%	0
Mar-18	0	0	3.4%	0
Apr-18	11,407,000	12,096	3.6%	12,096
May-18	83,344,000	112,693	3.9%	124,789
Jun-18	88,325,000	97,758	3.6%	222,547
Jul-18	126,466,200	131,023	3.4%	353,570
Aug-18	12,44,400	19,441	5.3%	373,011
Sep-18	51,188,700	66,098	4.2%	439,109
Oct-18	38,140,800	48,447	4.1%	487,556
Nov-18	11,407,000	12,899	3.8%	500,455
Dec-18	14,51,800	14,688	3.4%	515,143
Jan-19	0	0	3.4%	0
Feb-19	0	0	3.4%	0
Mar-19	36,133,200	43,139	3.9%	43,139
Apr-19	39,144,300	53,940	4.5%	97,079
May-19	49,181,300	54,866	3.7%	151,945
Jun-19	44,162,800	51,872	3.8%	203,817

Loads	Basin Depths			# Dry	Blanket Depths		MLSS AB #1	MLSS AB #2	Blanket and MLSS Inventory		MLSS % Solids	Total Dry
	Tank #1	Tank #2	AB #1		AB #2	Gallons			# Dry			
Jan-17	6.0	6.0	0.0	540,000	1.0	0.0	-	5,080	1,861,190	78,653	0.00508	255,986
Feb-17	5.5	7.0	0.0	592,500	1.5	0.0	-	4,090	1,913,499	65,271	0.00409	258,991
Mar-17	7.5	6.5	0.0	630,000	0.0	0.0	-	5,400	1,896,714	85,420	0.0054	265,019
Apr-17	6.5	4.5	0.0	495,000	8.0	10.0	-	4,630	2,184,858	84,367	0.00463	224,939
May-17	7.0	4.0	0.0	495,000	1.0	1.5	0.5	3,420	2,666,119	90,198	0.00198	246,426
Jun-17	2.5	3.0	0.0	247,500	3.0	2.5	1.5	4,530	3,762,833	118,153	0.00377	194,610
Jul-17	4.5	5.5	0.0	450,000	1.0	1.0	0.5	4,670	3,657,238	126,886	0.00416	258,426
Aug-17	5.0	4.5	0.0	427,500	0.5	1.0	0.5	2,910	3,670,071	86,469	0.00283	196,173
Sep-17	6.0	3.5	0.0	405,000	0.5	1.0	1.0	3,880	3,670,071	109,884	0.00359	234,892
Oct-17	8.0	1.0	0.0	405,000	0.5	1.0	0.5	2,820	3,670,071	127,025	0.00415	253,182
Nov-17	4.5	3.5	0.0	360,000	1.0	1.5	0.5	4,060	3,676,119	106,250	0.00348	209,832
Dec-17	6.0	3.0	0.0	405,000	1.0	1.5	1.0	3,680	3,687,833	119,950	0.0039	234,792
Jan-18	5.5	4.5	0.0	450,000	0.5	1.0	0.0	4,390	3,626,643	127,486	0.00422	255,090
Feb-18	7.5	5.5	0.0	592,500	2.0	4.0	0.0	4,880	3,920	137,610	0.0044	297,113
Mar-18	5.5	5.5	0.0	495,000	0.5	0.5	0.5	5,580	5,780	172,406	0.00568	312,769
Apr-18	5.0	6.0	0.0	495,000	0.5	0.5	0.5	5,670	5,670	162,544	0.00536	309,555
May-18	4.5	4.5	0.0	405,000	0.5	0.5	0.5	5,953	5,547	174,683	0.00576	307,321
Jun-18	4.0	5.5	0.0	427,500	4.0	3.0	1.0	6,190	5,490	183,511	0.00584	312,100
Jul-18	3.0	4.5	0.0	337,500	1.0	0.5	1.5	4,950	4,950	147,174	0.00478	242,026
Aug-18	2.5	2.5	0.0	337,500	1.0	0.5	1.5	4,570	4,170	136,753	0.00443	264,531
Sep-18	4.5	2.5	0.0	315,000	2.5	1.0	0.0	3,920	3,340	109,794	0.00363	220,132
Oct-18	3.0	1.5	0.0	202,500	0.5	0.5	0.5	4,290	3,640	119,939	0.00397	189,409
Nov-18	2.5	2.5	0.0	225,000	1.0	1.0	0.0	4,100	4,640	132,500	0.00437	203,809
Dec-18	6.5	2.0	0.0	392,500	11.0	12.0	0.0	4,120	4,008,526	126,035	0.00377	234,494
Jan-19	5.0	3.5	0.0	382,500	1.0	1.0	0.0	4,650	4,480	138,412	0.00457	246,874
Feb-19	6.0	3.0	0.0	495,000	1.0	1.0	0.0	4,570	4,740	141,141	0.00466	281,503
Mar-19	6.0	7.0	0.0	585,000	0.5	1.0	0.0	4,780	3,920	131,571	0.00435	321,848
Apr-19	5.5	7.5	0.0	585,000	1.5	0.5	1.0	5,720	4,530	157,048	0.00513	376,798
May-19	8.0	5.0	0.0	585,000	2.0	1.5	1.0	5,160	5,160	160,077	0.00516	340,586
Jun-19	7.0	3.0	0.0	450,000	3.0	4.0	1.5	5,610	4,810	163,886	0.00521	306,500

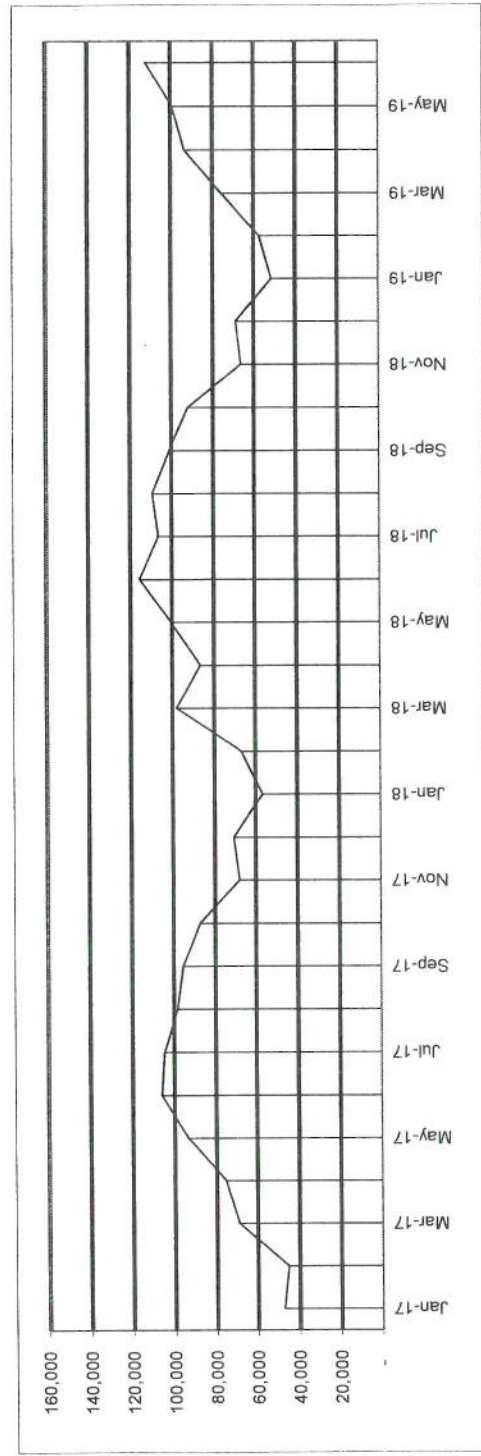
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	Gallons	# Dry	% Solids	
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Feb-17	251,600	96,649	4.1%	143,397
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Jul-17	277,500	85,724	3.5%	77,000
Aug-17	144,300	37,030	3.1%	44,140
Sep-17	59,200	17,311	3.5%	461,451
Oct-17	20,740,000	32,051	3.7%	484,502
Nov-17	74,000	505,794	3.4%	505,794
Dec-17	0	21,292	3.4%	505,794
Jan-18	0	0	3.4%	0
Feb-18	0	0	3.4%	0
Mar-18	0	0	3.4%	0
Apr-18	11,407,000	12,096	3.6%	12,096
May-18	83,344,000	112,693	3.9%	124,789
Jun-18	88,325,000	97,758	3.6%	222,547
Jul-18	126,466,200	131,023	3.4%	353,570
Aug-18	12,44,400	19,441	5.3%	373,011
Sep-18	51,188,700	66,098	4.2%	439,109
Oct-18	38,140,800	48,447	4.1%	487,556



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
May-19	9452	99,330
Jun-19	10074	112,400



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

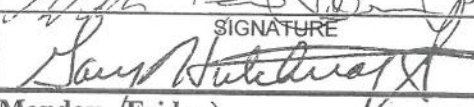
NAME OF FACILITY					LOCATION ADDRESS & CITY								COUNTY/REGION	
Lake of the Ozarks Regional WWTP #1					#3 Anderson Road								Miller/SWRO	
MONTH/YEAR		PERMIT NUMBER			OUTFALL NUMBER		TYPE TREATMENT FACILITY							
Jun-19		MO-0103241			#001		Oxidation Ditch/UV/Sludge Holding-sludge is land applied							
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	7.2			19.3	1.821	7.7				5.6		21.2		
2	7.2			20.7	1.948	7.7				5.6		22.5		
3	7.1			20.5	1.774	7.8				5.6	< 20	21.7		
4	7.3			20.0	1.705	7.9			0.02	5.6		21.2		
5	7.1			21.4	1.918	7.8				5.2		22.8		
6	7.1	180	296	20.9	1.823	7.6	1.3	1.4		5.0		22.8	99.3	99.5
7	7.2			21.7	1.732	7.8				5.3		23.3		
8	7.0			21.2	1.978	7.7				5.1		22.4		
9	7.1			21.6	2.106	7.8				5.6		22.7		
10	7.1			20.8	1.993	7.8				5.8	< 20	22.5		
11	7.2			21.5	1.809	7.8			0.04	5.5		22.1		
12	7.1			21.4	1.705	7.7				5.4		21.5		
13	7.2			21.4	1.906	7.8				5.6		21.3		
14	7.2	285	420	20.4	2.024	7.7	1.3	1.3		4.9		20.9	99.5	99.7
15	7.1			20.6	1.885	7.7				5.6		21.1		
16	7.2			20.4	2.324	7.7				5.2		21.4		
17	7.0			21.3	2.088	7.7				5.3	< 20	22.3		
18	7.3			20.9	2.548	7.8			0.41	4.6		22.1		
19	7.2			21.5	2.051	7.7				4.9		22.4		
20	7.1			21.6	2.021	7.7				5.2		22.5		
21	7.2	153	212	21.7	1.944	7.7	1.1	0.9		4.1		23.2	99.3	99.6
22	7.1			21.6	2.315	7.8				4.8		22.3		
23	7.2			21.3	2.391	8.0				4.8		22.6		
24	7.2			22.2	2.617	7.8				5.9	< 20	22.7		
25	7.2			21.8	2.112	7.8				5.5		22.7		
26	7.2			22.1	2.146	7.7			0.02	5.3		23.7		
27	7.2			22.8	2.167	7.8				5.1		23.7		
28	7.2	205	320	23.2	2.133	7.8	2.2	0.8		5.1		24.4	98.9	99.8
29	7.2			23.2	2.262	7.9				4.5		24.1		
30	7.3			22.3	2.527	7.8				4.2		24.5		
Total					61.773									
Avg		206	312	21	2.059		1.5	1.1	0.12	5.2	< 20	22.5	99.3	99.6
Min	7.0	153	212	19	1.705	7.6	1.1	0.8	0.02	4.1	< 20	20.9	98.9	99.5
Max	7.3	285	420	23	2.617	8.0	2.2	1.4	0.41	5.9	< 20	24.5	99.5	99.8

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	< 4.9	< 1.0	292	328						
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
Total	< 4.9	< 1.0	292	328						
Avg	< 4.9	< 1.0	292	328						
Min	< 4.9	< 1.0	292	328						
Max	< 4.9	< 1.0	292	328						

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

DATE	SLUDGE DISP. LBS. DRY WEIGHT	#1 Aeration Basin, O-Ditch, Etc.				#2 Aeration Basin, O-Ditch, Etc.				*Weather Conditions		
		MIXED LIQUOR				MIXED LIQUOR				Outside * Ambient Temp ° F	*RAIN inches	Time
		* DO mg/l	** MLSS mg/l	*Settleability		* DO mg/l	** MLSS mg/l	*Settleability				
				*30 min ml	Temp ° C			*30 min ml	Temp ° C			
1	4,690	1.6	6,200	810	20.9	3.1	4,460	500	21.0	61	0	7:30
2		1.2	5,960	780	22.2	1.6	4,660	600	21.9	68	0	7:30
3	5,431	1.5	5,100	680	21.3	1.3	5,730	750	21.2	60	0	7:30
4		1.3	6,100	780	21.4	2.0	4,820	600	21.3	68	0	7:30
5		2.1	6,240	770	22.8	2.3	4,490	500	22.6	73	0.75	7:30
6		1.1	6,000	800	22.6	1.4	4,560	540	22.5	67	0.20	7:30
7		1.2	6,250	790	23.4	1.4	4,870	600	23.1	69	0	7:30
8		1.2	6,360	770	22.3	2.3	4,710	610	22.3	64	0.4	7:30
9		1.4	6,150	810	22.4	2.3	5,140	610	22.5	66	0	7:30
10		1.4	6,110	760	22.2	1.7	5,350	650	22.1	63	0	7:30
11	5,092	1.4	6,370	810	22.0	1.5	4,840	660	21.8	60	0	7:30
12		1.6	5,410	770	21.4	1.8	4,630	610	21.4	62	0	7:30
13		2.8	6,730	840	21.1	3.4	5,000	650	21.1	57	0.3	7:30
14	6,110	1.2	6,310	850	20.5	1.3	4,590	600	20.4	60	0	7:30
15		2.3	6,470	850	21.0	3.0	4,220	600	21.0	70	0.5	7:30
16		1.5	6,060	810	21.5	2.7	3,790	520	21.6	68	0.5	7:30
17		1.8	6,370	840	22.3	1.4	5,090	680	22.2	68	0	7:30
18		1.8	6,310	800	22.1	1.5	5,410	630	21.9	67	2.0	7:30
19		1.4	6,460	810	22.4	1.5	5,310	690	22.3	68	0	7:30
20		1.6	6,460	850	22.3	1.6	4,800	650	22.2	66	0.1	7:30
21	2,777	1.0	6,540	830	23.1	1.0	5,390	700	22.9	72	0	7:30
22		1.5	6,210	810	22.3	2.7	4,850	570	22.3	69	0.5	7:30
23		1.4	5,470	710	22.4	2.6	5,310	740	22.4	69	0	7:30
24		1.6	6,070	810	22.7	1.8	5,190	700	22.6	69	0.75	7:30
25	7,221	1.2	5,920	810	22.9	1.5	5,630	770	22.7	62	0	7:30
26	7,406	1.6	5,810	780	23.7	1.6	4,890	650	23.4	72	0	7:30
27	8,332	1.4	6,100	780	23.6	1.4	4,980	620	23.4	69	0	7:30
28	4,814	1.8	6,230	800	24.6	2.1	4,840	670	24.2	73	0	7:30
29		1.4	5,780	800	24.1	1.7	5,590	720	24.1	73	0	7:30
30		1.3	5,610	770	24.2	1.2	4,810	670	24.1	70	0	7:30

COMMENTS:

TESTS PERFORMED BY (PRINT)	SIGNATURE	PHONE #	DATE
William Henson		(573)365-0455	7/5/2019
REPORT APPROVED BY (PRINT)	SIGNATURE	PHONE #	DATE
Gary Hutchcraft		(573)365-0455	7/5/2019

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

MO0103241		001 A	
PERMIT NUMBER		DISCHARGE NUMBER	
MONITORING PERIOD			
YEAR	MO	DAY	YEAR
2019	06	01	2019
FROM		TO	
2019 06 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
BOD, 5-day, 20 deg. C (00310)	REPORTD	*****	*****	*****	2.2	1.5	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	*****	*****	*****	*****	98.9	Monthly	Calculated
Stage Type: End of Pipe	REQRMT	*****	*****	*****	*****	Monthly Average Minimum: 85	Monthly	Calculated
Escherichia coli (E. coli) (51040)	REPORTD	*****	*****	*****	<20	<20	Weekly	Grab
Stage Type: End of Pipe	REQRMT	*****	*****	*****	7 Day Geometric Mean: 630	30 Day Geometric Mean: 126	Weekly	Grab
Flow, in conduit or thru treatment plant (50050)	REPORTD	2.617	2.059	*****	*****	*****	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	*****	*****	0.41	*****	0.12	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	*****	*****	<4.9	*****	<4.9	Monthly	Grab
Stage Type: End of Pipe	REQRMT	*****	*****	Daily Maximum: 15	*****	Monthly Average: 10	Monthly	Grab
pH (00400)	REPORTD	*****	*****	7.6	*****	8.0	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

Gary Hutchcraft		7305	
TYPED OR PRINTED NAME		CERTIFICATE NUMBER	
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	
Gary F Hutchcraft		573-365-0455	
TYPED OR PRINTED NAME		SIGNATURE	
		Date	
		2019-07-05 10:06:09	

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

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

PERMITTEE NAME/ADDRESS

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

MO0103241		001 A	
PERMIT NUMBER		DISCHARGE NUMBER	
MONITORING PERIOD			
YEAR	MO	DAY	YEAR
2019	06	01	2019
FROM		TO	
2019 06 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
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	*****	*****	*****	*****	99.5	Monthly	Calculated
Stage Type: End of Pipe	REQRMT	*****	*****	*****	*****	Monthly Average Minimum: 85	Monthly	Calculated
Total Suspended Solids (TSS) (00530)	REPORTD	*****	*****	*****	1.4	1.1	Weekly	24 Hour Composite
Stage Type: End of Pipe	REQRMT	*****	*****	*****	Weekly Average: 45	Monthly Average: 30	Weekly	24 Hour Composite

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		TELEPHONE	
Gary F Hutchcraft		573-365-0455	
TYPED OR PRINTED NAME		SIGNATURE	
		Date	
		2019-07-05 10:06:09	

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PERMITTEE NAME/ADDRESS

State of Missouri
Department of Natural Resources

Dep. of Natural Resources
(REGIONAL OFFICE)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

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	06	01	2019	06	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	*****		328	*****	Monthly	Grab	
Stage Type: Instream Monitoring		*****		Daily Maximum : Monitoring Required	*****	Monthly	Grab	
				Monthly Average : Monitoring Required				

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	
Gary Hutchcraft	7305
TYPED OR PRINTED NAME	CERTIFICATE NUMBER
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE
Gary F Hutchcraft	Gary F Hutchcraft
TYPED OR PRINTED NAME	SIGNATURE
	Date
	2019-07-05 10:06:09

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Prepared by: CH, JL, DH
Approved by: GH
Date: 7/5/2019

Prepared by: CH, JH, DH