

**OSAGE BEACH / LAKE OZARK
JOINT SEWER BOARD MEETING
AGENDA
MAY 15, 2018 @ 4:00 p.m.
LAKE OZARK CITY HALL**

1. CALL TO ORDER

2. ROLL CALL

Mayor, Lake Ozark, Johnnie Franzeskos
Mayor, Osage Beach, John Olivarri
City Administrator, Osage Beach, Jeana Woods
City Administrator, Lake Ozark, Dave Van Dee
Alderman, Lake Ozark, Gerry Murawski
Alderman, Osage Beach, Richard Ross
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; April 17, 2018 3-4

4. REPORTS

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Expenditure Budget Analysis	21
Income & Expense Summary	23
Check Registers & Bank Statements	25-28
April 2018 Alliance Report of Operations	29-45
Approval of April Flow Chart	

5. OLD BUSINESS

- A. Report of Contract Review Sub Committee
- B. Discussion and possible action regarding the Generator Project.

6. NEW BUSINESS:

7. ADDITIONAL DISCUSSION ITEMS

8. ADJOURNMENT

THE NEXT MEETING WILL BE JUNE 19, 2018, 4:00 PM @ LAKE OZARK CITY HALL

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**LAKE OZARK-OSAGE BEACH
JOINT SEWER BOARD
Meeting Minutes – April 17, 2018**

CALL TO ORDER:

Mayor Johnnie Franzeskos called the meeting to order at 4:00pm on Tuesday, April 17, 2018 at Lake Ozark City Hall

ROLL CALL:

Mayor, Lake Ozark, Johnnie Franzeskos - Present
Mayor, Osage Beach, John Olivarri- Absent
City Administrator Osage Beach, Jeana Woods - Absent
City Administrator Lake Ozark, Dave Van Dee – Absent
Alderman Osage Beach, Richard Ross - Present
Alderman Lake Ozark, Gerry Murawski - Present
Public Works Director Osage Beach, Nick Edelman - Present
Public Works Director Lake Ozark, Matt Michalik - Present
Resident Member, Mr. Gary Hamner - Present

MINUTES:

Member Hamner motioned to approve the meeting minutes of the March 20, 2018. The motion was seconded by Public Works Director Michalik. The motion passed unanimously.

REPORTS:

Alderman Ross motioned to approve the March Bills List. The motion was seconded by Alderman Murawski. The motion passed unanimously.

The March Revenue Budget, Expenditure Budget Analysis, Income & Expense Summary and Check Registers and Bank Statements were reviewed. Member Hamner questioned the reduction in waste hauler fees were off this year. Mr. Hutchcraft advised that Lake Region was now Camden County Water and Sewer District, and they were either not hauling, or disposing someplace other than the WWTP. Motion was made by Alderman Murawski to acknowledge the review of the documents. Seconded by Public Works Director Michalik. Motion passed unanimously.

Alliance Report of Operations: The average daily incoming flow for March was 1.240 mgd. We had 3.2 inches of precipitation measured at the WWTP in March.

Operationally, the plant's discharge was excellent, with an effluent monthly average BOD of 2.7 mg/l and TSS of 2.7 mg/l respectively for March, which represents a 98.8% or better removal.

The MLSS average for both aeration basins was 5,418 mg/l in March. The total dry weight sludge inventory for March totaled 312,759 pounds. There were no tanker loads of biosolids land applied in March (the fields were too spongy). We also received 6 tanker loads or 15,000 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, seconded by Public Works Director Michalik, motion passed unanimously.

OLD BUSINESS:

- A. Discussion regarding forming a sub-committee to consider the Alliance Contract renewal. Public Works Director Edelman advised that a meeting was held on April 16th. The City Administrators and Public Works Directors all attended. The timeline proposed is to send out RFQ's by the end of April, hold interviews in June and bring back a recommendation to the Board in July.
- B. Discussion and possible action on RFQ's regarding the generator project. Plant Manager Hutchcraft advised that the RFQ's were discussed on April 16th and the four received were narrowed down to two; Martin Energy Group and Empire Electric. Both of these companies are "design build" companies. Interviews are going to be held in May, and a recommendation will be brought back to the Board in June. Public Works Director Edelman reminded everyone that they were welcome to attend any of the meetings.

NEW BUSINESS: None at this time.

ADJOURNMENT:

With no further business to discuss, a motion to adjourn was made by Alderman Murawski. His motion was seconded by Alderman Ross and was passed unanimously. The meeting adjourned at 4:11 pm.

Approved On: May 15, 2018

Mayor, Johnnie Franzekos

City Clerk, Kathy Vance

JOINT SEWER BOARD
BILL LIST
MAY 15, 2018

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:	\$ -
OPERATING FUND BILLS TO BE PAID:	\$ 36,114.24
EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:	\$ -
EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:	\$ -
TOTAL	\$ 36,114.24

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:
4185	3658	Ameren MO	Apr. Service	\$ 5,059.79
4000	3659	Equipment Replacement Fund	Payment into ER Fund	\$ 3,467.00
4170	3660	Alliance Water Resources, Inc.	Management Fee	\$ 26,584.22
4160	3661	Alliance Water Resources, Inc.	Hauled Waste	\$ 400.00
4020	3662	Alliance Water Resources, Inc.	AC Unit & Ladder	\$ 349.00
4150	3662	Alliance Water Resources, Inc.	Oil Chg, wipers, tire repair	\$ 254.23
				\$ -
TOTAL				\$ 36,114.24

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				\$ -

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 PO Box 88068 Chicago, IL 60680-1068
 Ameren payment processing center

FOCUSED ENERGY. For life.

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

AMOUNT DUE \$57.70

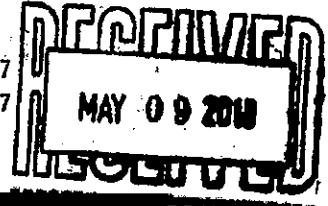
Due Date 05/31/2018

Amount After Due Date \$58.57

Previous Statement \$197.47

Total Payments \$197.47

Payment Received. Thank You.



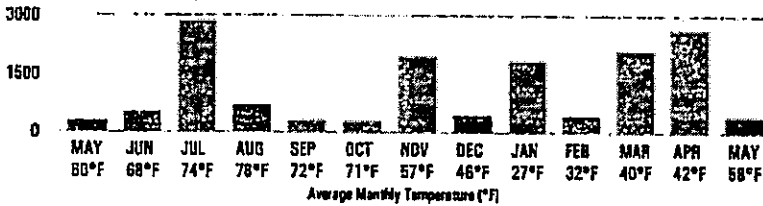
Current Detail for Statement 05/09/2018

Total Electric Charges \$57.70

Total Amount Due \$57.70

Electric Usage History

Electric Usage in Kilowatt Hours (kWh)



Electric Usage Summary (kWh)

So far this year, you're using 52.4% less than last year.

2017 15,700 kWh

2018 7,480 kWh

Usage from Jan-May for 2017 & 2018

13073 00098 2386513 000189 000337 00016002



Be cautious, be aware, and take action to avoid being scammed. If someone calls or visits you and asks for a pre-paid money card, debit card or banking information, do not trust them. For suspicious calls, check your billing information 24/7 through your AmerenMissouri.com online account or call 1.800.552.7583.



» See next page for service details.

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Page 1 of 4



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Amount Due	Due Date
\$57.70	May 31, 2018
Delinquent Amount After Due Date	Account Number
\$58.57	5580005920
Amount Enclosed \$	

>000098 2326513 0002 092339 102

ALLIANCE WATER RESOURCES INC
 PO BOX 1885
 LAKE OZARK, MO 65049-1885

AMEREN MISSOURI
 PO BOX 88068
 CHICAGO IL 60680-1068

50633000 0055800059200 000000057700 000000057700



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Electric Service Details Service from 04/08/2018 - 05/07/2018 (29 days)

Electric Meter Read

METER NUMBER	SERVICE FROM TO	NO. DAYS	USAGE TYPE	READING TYPE	CURRENT READING	PREVIOUS READING	READING DIFFERENCE	MULTIPLIER	USAGE
88041276	04/08 - 05/07	28	Total kWh	Actual	16980.0000	16939.0000	41.0000	10.0000	410.0000
88041276	04/08 - 05/07	28	Peak kW	Actual	4.5840	0.0000	4.5840	10.0000	45.8400

Usage Summary

Total kWh	410.0000	Winter Base kWh	1000.0000
Current Base kWh	410.0000	Seasonal kWh	0.0000

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

Threshold - Peak Demand

DESCRIPTION	USAGE	UNIT	RATE	CHARGE
Base Energy Charge	410.00	kWh	@ \$ 0.08360000	\$34.28
Seasonal Energy Charge	0.00	kWh	@ \$ 0.04820000	\$0.00
Customer Charge				\$21.43
Fuel Adjustment Charge	410.00	kWh	@ \$ 0.00027000	\$0.11
Energy Efficiency Program Charge	410.00	kWh	@ \$ 0.00010000	\$0.04
Energy Efficiency Investment Charge	410.00	kWh	@ \$ 0.00449800	\$1.84
Total Service Amount				\$57.70
Total Electric Charges				\$57.70

Payments Since Previous Statement

DATE RECEIVED	AMOUNT
April 24, 2018	\$197.47

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



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E-CHECK



PHONE
858.268.3729



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CREDIT CARD



MAIL
STUB & CHECK



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 ■ 1.877.426.3736
 ■ PO Box 88068 Chicago, IL 60680-1068
 Ameren payment processing center

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

AMOUNT DUE \$5,002.09

Due Date 05/31/2018

Current Detail for Statement 05/09/2018

Total Electric Charges \$5,002.09

Total Amount Due \$5,002.08

Amount After Due Date \$5,077.12

Previous Statement \$5,469.97

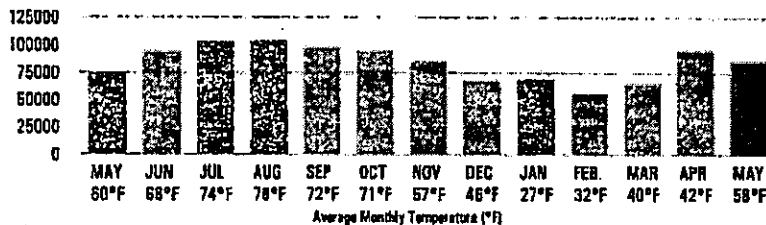
Total Payments \$5,469.97

Payment Received. Thank You.



Electric Usage History

Electric Usage In Kilowatt Hours (kWh)



Electric Usage Summary (kWh)

So far this year, you're using **33% MORE** than last year.

2017 279,520 kWh

2018 371,688 kWh

Usage from Jan-May for 2017 & 2018

13073 00206 2326513 000545 00 1068 0010002



Be cautious, be aware, and take action to avoid being scammed. If someone calls or visits you and asks for a pre-paid money card, debit card or banking information, do not trust them. For suspicious calls, check your billing information 24/7 through your AmerenMissouri.com online account or call 1.800.552.7583.



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Amount Due	Due Date
\$5,002.08	May 31, 2018
Delinquent Amount After Due Date	Account Number
\$5,077.12	4580005832
Amount Enclosed \$	

>000266 2326513 0002 092139 102

ALLIANCE WATER RESOURCES INC
 PO BOX 1885
 LAKE OZARK, MO 65049-1885

AMEREN MISSOURI
 PO BOX 88068
 CHICAGO IL 60680-1068

40600000 0045800058302 000005002090 000005002090



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Electric Service Details

Service from 04/08/2018 - 05/07/2018 (29 days)

Electric Meter Read

METER NUMBER	SERVICE FROM - TO	NO. DAYS	USAGE TYPE	READING TYPE	CURRENT READING	PREVIOUS READING	READING DIFFERENCE	MULTIPLIER	USAGE
11873321	04/08 - 05/07	29	Total kWh	Actual	48424.0000	45885.0000	539.0000	160.0000	86240.0000
11873321	04/08 - 05/07	29	Peak kW	Actual	0.9570	0.0000	0.9570	160.0000	153.1000

Usage Summary

Total kWh	86240.0000	Peak kW	153.1000
Total Billing Demand	153.1000	October Winter Base kW	131.2000
Winter Base Demand	131.2000	Base kWh Ratio	0.8568
Base kWh (HUD)	73898.0000	Seasonal kWh (HUD)	12341.0000

Rate 3M Large General Service

DESCRIPTION	USAGE	UNIT	RATE	CHARGE
Seasonal Energy Charge	12,341.00	kWh	@ \$ 0.03890000	\$480.08
Demand Charge	153.10	kW	@ \$ 2.08000000	\$308.20
Base Energy Charge / Hours Used	18,680.00	kWh	@ \$ 0.08850000	\$1,308.72
Base Energy Charge / Hours Used	28,240.00	kWh	@ \$ 0.04840000	\$1,285.26
Base Energy Charge / Hours Used	27,979.00	kWh	@ \$ 0.03890000	\$1,088.38
Customer Charge				\$95.07
Fuel Adjustment Charge	86,240.00	kWh	@ \$ 0.00027000	\$23.28
Energy Efficiency Program Charge	86,240.00	kWh	@ \$ 0.00020000	\$17.25
Energy Efficiency Investment Charge	86,240.00	kWh	@ \$ 0.00448600	\$388.87
Total Service Amount				\$5,902.09
Total Electric Charges				\$5,902.09

Payments Since Previous Statement

DATE RECEIVED	AMOUNT
April 24, 2018	\$5,488.07

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 _____

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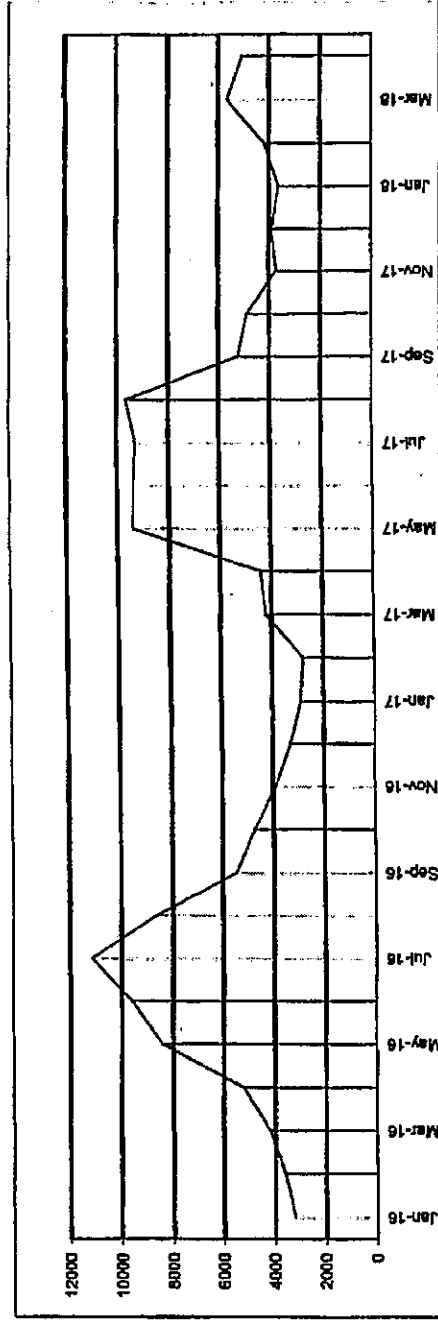
ONLINE
CREDIT CARD



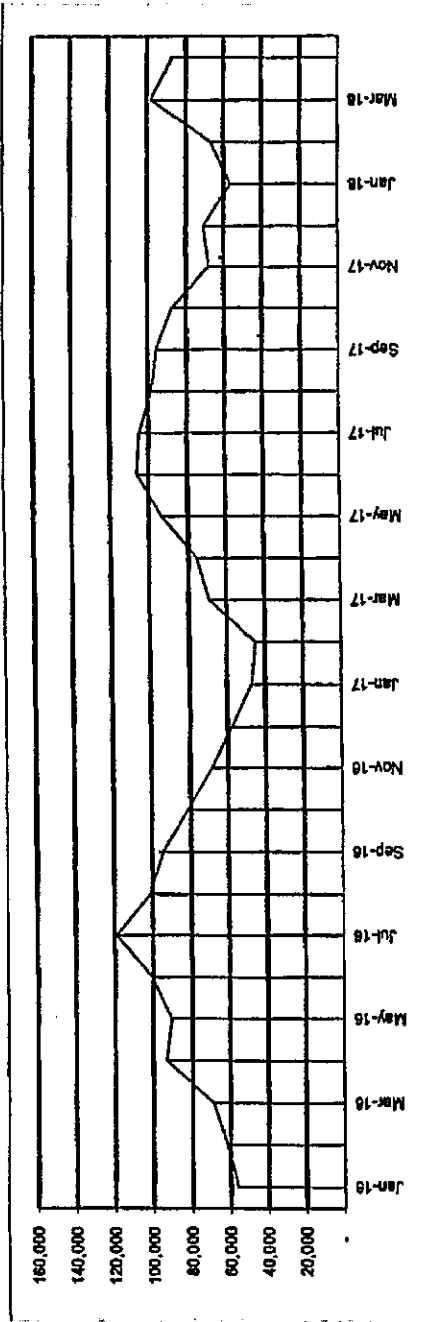
MAIL
STUB & CHECK

Electric Cost

	Electric Cost	Kilowatts Used
Jan-16	3223	56,290
Feb-16	3613	61,740
Mar-16	4195	69,020
Apr-16	5235	93,310
May-16	8446	90,640
Jun-16	9618	100,670
Jul-16	11166	119,020
Aug-16	8627	101,260
Sep-16	5460	94,280
Oct-16	4737	81,500
Nov-16	3903	68,360
Dec-16	3324	57,810
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	88,650



Kilowatts Used



Alliance Water Resources, Inc.
Professional Water and Wastewater Operations
208 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: 7820

Invoice Date: 1-May-18

Customer No: 20220

Terms: 30 days

REFERENCE	DESCRIPTION	AMOUNT
	Wastewater Plant operating service for month of: May-2018 Base Fee	\$26,584.22
TOTAL DUE		\$26,584.22

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: 7819
Invoice Date: 30-Apr-18
Customer No: 20220
Terms: 30 days

REFERENCE	DESCRIPTION	AMOUNT
	Hauled waste payment for the month of: Apr-2018 8 Hauled Waste Loads @ \$50.00 each	\$400.00
TOTAL DUE		\$400.00

Alliance Water Resources, Inc.
Professional Water and Wastewater Operations
208 South Keane Street
Columbia, Missouri 65201
(573) 874-8080 Fax (573) 443-0833

INVOICE

Invoice No: 7821

Invoice Date: 1-May-18

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 65066

REFERENCE	DESCRIPTION	AMOUNT
	Roemer's Heavy Equipment - Invoice # 19298 - 50%	\$180.75
	Clark Tire Company - Invoice # 97278 - 50%	\$73.48
	The Home Depot - Invoice # 3027 12 17389 50%	\$349.00
TOTAL DUE		\$603.23

19298

NAME	Alliance Water Resources		CUSTOMER SERVICE NO.	DATE	4-12-18
ADDRESS	PO Box 1985		ORDER WRITTEN BY	PROMISED	A.M.
CITY, STATE, ZIP	Lake Park MO 65049				P.M.
HOME PHONE	BUSINESS PHONE	EXT. 816-8398 LICENSE NUMBER			
YEAR, MAKE AND MODEL	500C		MOTOR NUMBER	ODOMETER IN	ODOMETER OUT
SERIAL NUMBER			TERMS	Net 30	

Amount

DESCRIPTION OF WORK

☐ LUBE ☐ CHANGE OIL ☐ OIL FILTER ☐ TUNE-UP ☐ TRANS. ☐ DIFF.

DECEMBER

RECEIVED
APR 16 2010

GL Acct#: 6702-20789.35 1720-2048075

Signature: Donna H. Dwyer APR 19 1995

Date: 4/16/77

(MAY BE CONTINUED ON OTHER SIDE)	TOTAL PARTS	LITERS/GALS. OF GAS ●	TOTAL LABOR
ACCESSORIES	40 24	4 1/2 GAL LITERS/QTS. OF OIL ●	250 00
		1 TUB LBS. OF GREASE ●	40 24
			65 25
			6 00

		GAS, OIL & GREASE	7/25
--	--	-------------------	------

[illegible][illegible]

			I hereby authorize the above paper work to be done along with the necessary materials. You and your employees may operate above	ENVIRONMENTAL WASTE DISPOSAL
--	--	--	---	------------------------------

[illegible]

							TAX	0.11
--	--	--	--	--	--	--	-----	------

[illegible]

TOTAL ACCESSORIES		TOTAL	
SAVE OLD PARTS?	☐ YES ☐ NO		

TOTAL ACCESSORIES

1	2	3	4	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	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Invoice #97278

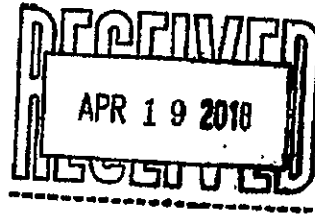
Clark Tire Company - (SUNR)

13993 N. Hwy 5, Sunrise Beach, MO 65079

Phone: 573-374-8854

www.clarktireco.com

Family owned since 1949.



Customer Information	Invoice	Additional Information
ALLIANCE WATER RESOURCES INC. LAKE C P.O. BOX 1985 LAKE OZARK, MO 65049	Date: 3/22/2018 Reference: 97278 Salesperson:	PO Number: Work Order#: W-4074848
Acct Number:	Route: Delivery Date: 4/17/2018	Comment: Comment:
P: 573-385-0455 Contact: P: 573-216-8388 Contact:		Entered By: Debbie (SUNR) Malo

Qty	Description	FET	Unit Price	Ext. Price
1.00	SERVICE CALL		54.00	54.00
1.00	ORING 20"		12.95	12.95
1.00	TIRE REPAIR		80.00	80.00

MO Taxable (7.975%) SUNR

Subtotal: 146.95

MO Sales Tax (7.975%): 1.03

Terms: NET 30 Days

Total: \$147.98

Balance: \$147.98

Terms:	Due Date	Due Amount	Amount Remain
	4/21/2018	\$147.98	\$147.98

Acct Balance	Current	0-29 Days	30-59 Days	60-89 Days	90+ Days
\$147.98	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

SLUDGE TRK TIRE REPAIR

GL Acct#: 6702-20 \$74.50 1220-20 \$73.48

Signature: *Ray Hutchins*

Date: 4/19/18

"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-4074848

4/19/2018 1:27 PM Page: 1 Entered By: Debbie (SUNR) Malo

Signature _____



More saving.
More doing.™

4030 HWY 54
OSAGE BEACH, MO 65065 (573)348-0082
3027 00012 17389 04/06/18 10:16 AM
CASHIER TANYA

1001-758-267 AEL12AV <A> 599.00
AEL12AV
722571011918 GLAMPX22 <A,S> 99.00
GORILLA LADDERS 22' MULTIPosition LA

SUBTOTAL 698.00
SALES TAX 52.18
TOTAL \$750.18

XXXXXXXXXXXX1719 MASTERCARD
USD\$ 750.18
AUTH CODE 092447/2121694 TA
Chip Read
AID A00000000041010 MasterCard
TVR 0000008000
IAD 101060900122000016CF00000000000FF
TSI E800
ARC 00

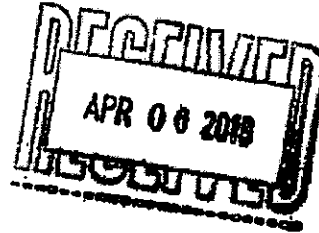
P.O.#/JOB NAME: GARY



3027 12 17389 04/06/2018 4544

RETURN POLICY DEFINITIONS
POLICY ID DAYS POLICY EXPIRES ON
1. 90 07/05/2018
A THE HOME DEPOT RESERVES THE RIGHT TO
LIMIT / DENY RETURNS. PLEASE SEE THE
RETURN POLICY SIGN IN STORES FOR
DETAILS.

BUY ONLINE PICK-UP IN STORE
AVAILABLE NOW ON HOMEDEPOT.COM.
CONVENIENT, EASY AND MOST ORDERS
READY IN LESS THAN 2 HOURS!



REPLACEMENT AC
UNIT FOR UV ROOM
+ ALUMINUM LADDER

GL Acct#: 6705-20 \$401.18 1220-20 \$349.00
Signature: *Roy Hultquist*
Date: 4/6/18

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

Account Number	Account Name	4/30/2018				Percent YTD	
		2016 Actual	2017 Actual	2018 Budget	2018 Actual as of 4/30/2018		2018 April Revenue
3020	Osage Beach	475,802.57	478,614.41	478,500.00	161,593.11	39,763.76	34%
3010	Lake Ozark	74,197.42	71,385.58	71,500.00	21,740.21	6,069.57	30%
3100	Interest	368.52	781.57	500.00	411.61	81.61	82%
3060	Waste Haulers' Fee	33,460.00	30,500.00	34,500.00	3,500.00	800.00	10%
Total Operating Fund		583,828.51	581,281.56	585,000.00	187,244.93	46,714.94	32%
E/R Fund Income		2,847.67	2,319.07	2,300.00	527.35	117.06	23%
TOTAL INCOME		586,676.18	583,600.63	587,300.00	187,772.28	46,832.00	32%

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Account Number	Account Name	2016 Actual	2017 Actual	2018 Budget	2018 Actual as of 4/30/2018	2018 April Expenses	Percent YTD
4000	Equipment Replace Fund	41,606.04	41,604.17	41,604.00	13,868.17	3,467.00	33%
4010	ERF Repayment	0.00	0.00	0.00	0.00	0.00	0%
4020	*Maintenance & Repair	18,735.50	129,789.11	115,000.00	2,887.23	0.00	3%
4140	Insurance	16,977.00	17,144.00	17,600.00	17,402.25	750.00	99%
4150	Vehicle Repair/Maint	951.93	12,047.61	3,000.00	0.00	0.00	0%
4160	Haulers Fees to Contractor	8,000.00	8,000.00	8,000.00	1,350.00	300.00	17%
4170	Contract Management	303,638.88	311,229.84	320,566.84	106,336.88	26,584.22	33%
4185	Electric	72,637.17	69,261.90	75,000.00	17,421.89	5,666.54	23%
4190	Bank Charges	14.85	24.35	0.00	0.00	0.00	0%
4200	Audit	2,158.50	2,200.00	2,300.00	0.00	0.00	0%
4220	Professional Service	9,193.09	1,200.00	1,200.00	0.00	0.00	0%
4240	Capital Purchases	0.00	0.00	150,000.00	0.00	0.00	0%
	Totals	473,912.96	592,500.98	734,270.84	159,266.42	36,767.76	22%
	**E/R Expenses	7,980.42	7,554.68	67,500.00	0.00	0.00	0%
	TOTAL EXPENSES	481,893.38	600,055.66	801,770.84	159,266.42	36,767.76	20%
	**Equipment & Replacement						
	Pickup 4X4 w/snow plow	35,000.00					500.00
	Replace Actuator	9,000.00					1,500.00
	Replace ducking skimmer arm	5,000.00					8,000.00
	Replace wooden doors	2,000.00					8,000.00
	Replace LED parking lot lights	9,000.00					2,000.00
	Replace impellers for RAS pump	7,500.00					95,000.00
		67,500.00					115,000.00
	*Maintenance & Repair						
	Auto Dialer Yrly Software Fee						
	Effluent Testing for Permit Renewal						
	Normal Maintenance						
	UV Spare Parts						
	Rock for Road						
	Sandblast & paint Clarifier #3						

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OPERATING FUND INCOME AND EXPENSE SUMMARY
4/30/2018

Beginning Balance	296,206.27
Income - Osage Beach	39,763.76
Income - Lake Ozark	6,069.57
Income - Other	-
Income - Waste Haulers' Fees	800.00
Interest - Checking	81.61
Income - CD Interest	-
Transfers From E/R Fund	-
Transfers to E/R Fund	(3,467.00)
Expenses	(33,578.12)
Ending Fund Balance	305,876.09
Central Bank - NOW Acct.	154,539.02
First Bank of the Lake - Money Mkt.	100,986.15
CD St. Elizabeth, 3/18 #400886	50,350.92
Outstanding Checks:	-
Deposit in Transit:	-
	305,876.09

EQUIPMENT REPLACEMENT FUND INCOME AND EXPENSE SUMMARY
4/30/2018

Beginning Balance	534,437.37
Interest - Checking	117.06
Income - CD Interest	-
Transfers From E/R Fund	3,467.00
Transfers to E/R Fund	-
Income - Miscellaneous	-
Expenses	-
Ending Fund Balance	538,021.43
First Bank of the Lake - Money Mkt.	183,134.25
CD Providence Bank, 7/18 #1268880	202,070.98
CD First Bank of the Lake, 01/18 #101318429	102,465.28
CD St. Elizabeth, 3/18 #485431	50,350.92
Deposit in Transit	-
Outstanding Checks:	-
	538,021.43

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Operating Fund
CHECK REGISTER - JOINT SEWER BOARD OPERATION FUND

	reconciled balance 11/30/17				122,956.19
3630	Ameren MO	X	3,738.46	-	119,217.73
3631	Equipment Replacement Fund	X	3,467.00		115,750.73
3632	Alliance Water Resources, Inc.	X	25,935.82		89,814.91
3633	Alliance Water Resources, Inc.	X	347.95		89,466.96
3634	Roemer's Heavy Equip & Truck	X	2,436.92	-	87,030.04
3635	Scott's Handyman Services	X	6,675.00	-	80,355.04
	Deposit LO	X	-	5,944.50	86,299.54
	Deposit OB	X		39,888.83	126,188.37
	Deposit	X		700.00	126,888.37
	Interest	X		10.59	126,898.96
	reconciled balance 12/31/17				126,898.96
3636	Ameren MO	X	3,909.17	-	122,989.79
3637	Equipment Replacement Fund	X	3,467.00		119,522.79
3638	Alliance Water Resources, Inc.	X	26,584.22		92,938.57
3639	Alliance Water Resources, Inc.	X	564.48		92,374.09
	Deposit LO	X	-	5,126.01	97,500.10
	Deposit OB	X		40,707.32	138,207.42
	Deposit	X		500.00	138,707.42
	Interest	X		16.85	138,724.27
	reconciled balance 1/31/18				138,724.27
3640	Ameren MO	X	3,639.68	-	135,084.59
3641	Equipment Replacement Fund	X	3,467.00		131,617.59
3642	Alliance Water Resources, Inc.	X	26,584.22		105,033.37
3643	Alliance Water Resources, Inc.	X	250.00		104,783.37
3644	Alliance Water Resources, Inc.	X	245.39		104,537.98
3645	JCI Industries	X	1,800.00		102,737.98
3646	Lake Sun Leader	X	65.25		102,672.73
	Deposit LO	X	-	5,093.81	107,766.54
	Deposit OB	X		40,739.52	148,506.06
	Deposit	X		1,600.00	150,106.06
	Interest	X		17.26	150,123.32
	reconciled balance 2/28/18				150,123.32
3647	Ameren MO	X	4,206.50	-	145,916.82
3648	Equipment Replacement Fund	X	3,467.00		142,449.82
3649	Alliance Water Resources, Inc.	X	26,584.22		115,865.60
3650	Alliance Water Resources, Inc.	X	800.00		115,065.60
3651	Naught Naught	X	16,587.00		98,478.60
	Deposit LO	X	-	5,450.82	103,929.42
	Deposit OB	X		40,382.51	144,311.93
	Deposit	X		600.00	144,911.93
	Interest	X		19.65	144,931.58
	reconciled balance 3/31/18				144,931.58
3652	Ameren MO	X	5,666.54	-	139,265.04
3653	Equipment Replacement Fund	X	3,467.00		135,798.04
3654	Alliance Water Resources, Inc.	X	26,584.22		109,213.82
3655	Alliance Water Resources, Inc.	X	300.00		108,913.82
3656	Alliance Water Resources, Inc.	X	277.36		108,636.46
3657	Naught Naught	X	750.00		107,886.46
	Deposit LO	X	-	6,069.57	113,956.03
	Deposit OB	X		39,763.76	153,719.79
	Deposit	X		800.00	154,519.79
	Interest	X		19.23	154,539.02
	reconciled balance 4/30/18				154,539.02

E/N



Central Bank of Lake of the Ozarks

MEMBER FDIC

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

RETURN SERVICE REQUESTED

OSB011001 011 OSB001

LAKE OZARK OSAGE BEACH JOINT SEWER
TREATMENT PLANT BOARD
1000 CITY PKWY
OSAGE BEACH MO 65085-3058

Period 04/01/2018 - 04/30/2018 Page 1 of 2

Web Address
www.centralbank.net

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00000.

Your Financial Summary on April 30, 2018

	Bank Deposits	Totals
Bank Deposit Accounts:		
Checking	\$ 154,539.02	
Bank Deposit Total		\$ 154,539.02
Total Assets:	\$ 154,539.02	\$ 154,539.02

Detailed Explanation of Account Balances and Other Assets

Basic Plus Interest Checking

No. 000007297		Beginning Balance March 30, 2018		\$	144,931.58
Deposits					
Apr. 18	Deposit				800.00
Apr. 18	Deposit				6,069.57
Apr. 18	Deposit				39,763.76
Apr. 30	Interest Earned				19.23
Total				+\$	46,652.56
Checks					
Check No.	Date Paid	Amount	Check No.	Date Paid	Amount
3652	Apr. 25	5,666.54	3655	Apr. 24	300.00
3653	Apr. 19	3,487.00	3656	Apr. 24	277.36
3654	Apr. 24	26,584.22	3657	Apr. 20	750.00
Total				-\$	37,045.12
		Ending Balance April 30, 2018		\$	154,539.02

Number of days since last statement/interest cycle 30
Beginning and ending dates for calculation of statement/interest cycle are 04/01/2018 through 04/30/2018
Average collected balance 155,983.00
Interest rate 0.15%
Annual percentage yield earned 0.15%

End of Bank Deposits

JSB - CHECK REGISTERS 2018

CHECK REGISTER - JOINT SEWER BOARD EQUIPMENT REPLACEMENT FUND

	reconciled balance 11/30/17			266,973.52
1023	Alliance Water Resources		1,014.97	265,958.55
	Interest	X	135.36	266,093.91
	Deposit	X	3,467.00	269,560.91
	reconciled balance 12/31/17			269,560.91
	Interest	X	183.43	269,744.34
	Deposit	X	3,467.00	273,211.34
	reconciled balance 1/31/18			273,211.34
	Interest	X	157.40	273,368.74
	Deposit	X	3,467.00	276,835.74
	reconciled balance 2/28/18			276,835.74
	Interest	X	171.22	277,006.96
	Deposit	X	3,467.00	280,473.96
	reconciled balance 3/31/18			280,473.96
	Interest EST.	X	179.44	280,653.40
	Deposit	X	3,467.00	284,120.40
	reconciled balance 4/30/18			284,120.40



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

PAGE: 1
04/30/2018

00122 2934114 10Z ATM 608.90 1.5

LAKE OZARK-OSAGE BEACH JOINT SEWER TREAT
SEWER BD.-TREATMENT PLANT BD.
1000 CITY PKWY
OSAGE BEACH MO 65065-3058



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BUSINESS MONEY MARKET ACCOUNT

(BUSINESS MONEY MARKET)

LAST STATEMENT 03/30/18 280,473.96
2 CREDITS 3,646.44
DEBITS .00
THIS STATEMENT 04/30/18 284,120.40

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

OTHER CREDITS
DESCRIPTION DATE AMOUNT
INTEREST 04/30 179.44

INTEREST
AVERAGE LEDGER BALANCE: 281,927.86 INTEREST EARNED: 179.44
AVERAGE AVAILABLE BALANCE: 281,704.18 DAYS IN PERIOD: 31
INTEREST PAID THIS PERIOD: 179.44 ANNUAL PERCENTAGE YIELD EARNED: .75%
INTEREST PAID 2018: 691.49

*** CONTINUED ***



NOTICE: SEE REVERSE SIDE FOR IMPORTANT INFORMATION



OUR
MISSION

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

**Alliance Water
Resources,
Inc.**

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

(573)874-8080



REPORT OF OPERATIONS

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

Month of April 2018

Submitted by Alliance Water Resources, Inc. for the

May 2018

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	2.8	2.8	N/A	< 20		0.09	< 5.0	< 1.0
Peak Day	3.0	3.8	8.1	< 20		0.13	< 5.0	< 1.0
Percent Removal	99.1	99.4	N/A	N/A		N/A	N/A	N/A

NPDES EFFLUENT LIMITATIONS

	BOD mg/l	TSS mg/l	pH	E.coli Colonies/100 ml	Coliform	Ammonia as N mg/L	O&G mg/L	Metals Selenium ug/ L
Monthly Average	30	30	6-9	N/A		1.1	10	4.0
Weekly Average	45	45		N/A				
Daily Max						6.0	15	8.1

PLANT HYDRAULIC AND ORGANIC LOADING

The average daily influent flow for the month was 1.308 MGD or 44% of Permitted flow with Lake Ozark contributing 12% of the total flow and Osage Beach contributing 88%. 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 106755 pounds of BOD.

BIOSOLIDS APPLICATION AND INVENTORY

Plant personnel land applied 11 tanker loads of bio-solids during the month equivalent to a total of 40,700 gallons and 12,096 pounds dry weight solids.

12,096 pounds of dry weight solids have been land applied year to date.

Bio-solids inventory in the storage tanks at the end of the month was 495,000 gallons with a level of 5.0 feet in Tank 1 and 6.0 feet in Tank 2.

WASTEHAULERS

The plant received 8 loads of septage during the month totaling 20,000 gallons.

WWTP OPERATIONS

- Decanting digesters and wasting weekly.
- Normal operations.

WWTP MAINTENANCE AND REPAIR

- Performed routine maintenance throughout the month as per Antero Maintenance Data Management schedule. (New version of Operator 10 Software)
- The older AC unit for the UV room quit on us on the 5th of April and was not repairable so we purchased a new one on the 6th.
- We changed out 5 UV bulbs on the 10th of April and all had well over 10,000 hours on them.

SAFETY

- We conducted our monthly routine Safety Meeting on Vehicle Driving Safety on the 3rd of April.

REGULATORY AGENCY, INSPECTION AND REPORTS

- We filled out the EDMR on MDNR's website on the 3rd of May.
- We received the lab results for our second quarter 503 sludge testing on the 19th of April and everything looked good.

MISCELLANEOUS AND RECOMMENDATIONS

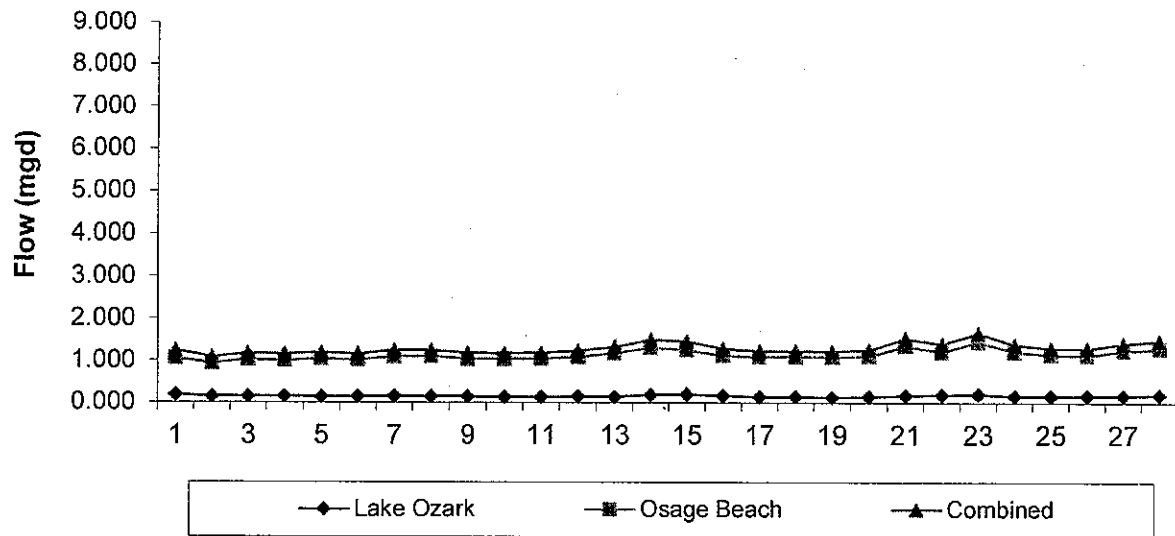
- We received an excessive amount of grease through the influent during the evening of 26th of April and it continued throughout the weekend of the 29th. We skimmed approximately 30 gallons of grease off the top of the Clarifiers and would like to see if the Cities could remove the floating grease from their lift stations after pressure washing them before sending it on to the plant. We have O & G limits and are afraid if this continues at this rate it could possible cause future problems.

TABLE A
LAKE OZARK/OSAGE BEACH WWTP

MONTH OF April **2018**

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	0.192	1.056	1.248	15.4	84.6						
2-Apr	0.2	0.147	0.937	1.084	13.6	86.4						
3-Apr	0	0.148	1.028	1.176	12.6	87.4						
4-Apr	0	0.153	1.009	1.162	13.2	86.8						
5-Apr	0	0.142	1.050	1.192	11.9	88.1						
6-Apr	0	0.150	1.014	1.164	12.9	87.1	205	185	185	148	124	164
7-Apr	0	0.156	1.096	1.252	12.5	87.5						
8-Apr	0	0.149	1.105	1.254	11.9	88.1						
9-Apr	0	0.149	1.036	1.185	12.6	87.4						
10-Apr	0	0.131	1.040	1.171	11.2	88.8						
11-Apr	0	0.133	1.049	1.182	11.3	88.7						
12-Apr	0	0.147	1.094	1.241	11.8	88.2						
13-Apr	0	0.144	1.181	1.325	10.9	89.1	208	343	285	138	254	332
14-Apr	0.6	0.190	1.310	1.500	12.7	87.3						
15-Apr	0.0	0.196	1.257	1.453	13.5	86.5						
16-Apr	0	0.170	1.117	1.287	13.2	86.8						
17-Apr	0	0.139	1.088	1.227	11.3	88.7						
18-Apr	0	0.149	1.089	1.238	12.0	88.0						
19-Apr	0	0.131	1.092	1.223	10.7	89.3						
20-Apr	0	0.152	1.105	1.257	12.1	87.9	233	288	295	188	246	330
21-Apr	0	0.179	1.351	1.530	11.7	88.3						
22-Apr	0.2	0.191	1.207	1.398	13.7	86.3						
23-Apr	0.6	0.207	1.450	1.657	12.5	87.5						
24-Apr	0	0.166	1.215	1.381	12.0	88.0						
25-Apr	0	0.165	1.138	1.303	12.7	87.3						
26-Apr	0.3	0.168	1.125	1.293	13.0	87.0						
27-Apr	0	0.170	1.244	1.414	12.0	88.0	228	223	540	154	154	1142
28-Apr	0	0.190	1.290	1.480	12.8	87.2						
29-Apr	0	0.200	1.322	1.522	13.1	86.9						
30-Apr	0	0.192	1.244	1.436	13.4	86.6						
SUM	1.9	4.896	34.339	39.235								
AVG		0.163	1.145	1.308	12	88	219	260	326	157	195	492
NOTE: BOLD PRINT INDICATES WEEKEND DAYS												

Daily Flow
Figure 1



Effect of Rainfall on Flow
Figure 2

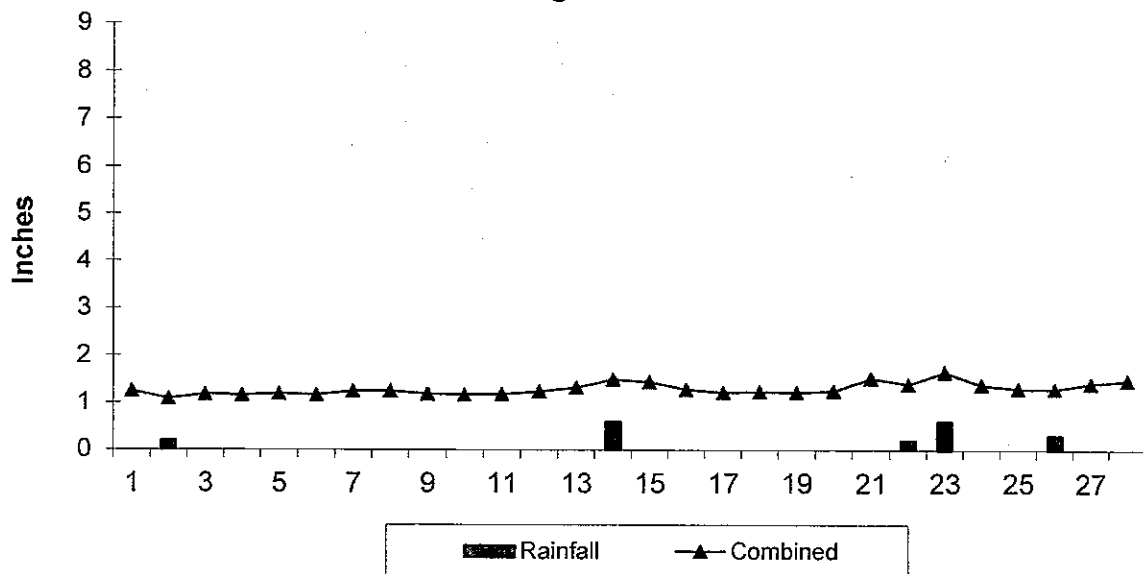


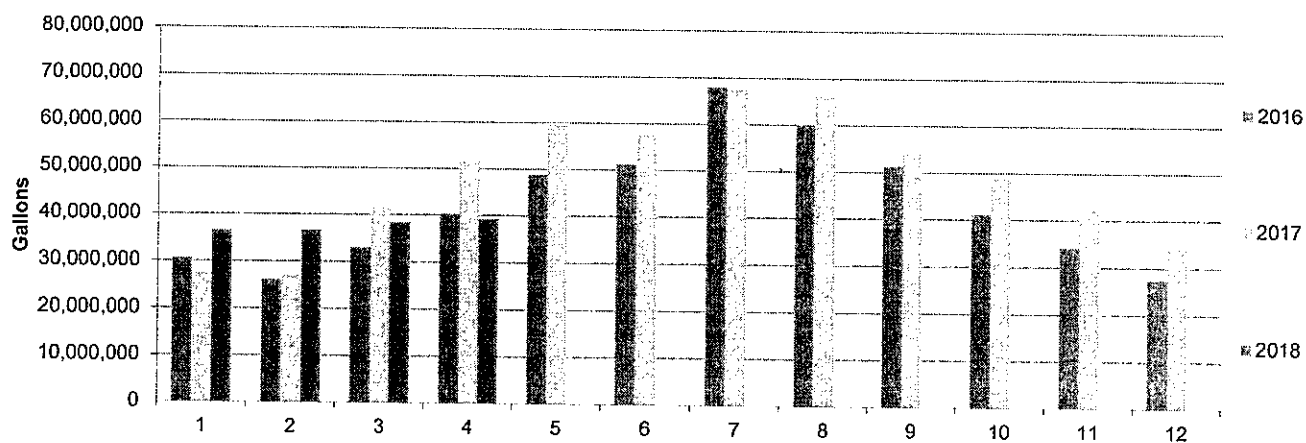
TABLE B
JOINT SEWER BOARD
Monthly Flows

<u>2016</u>	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	0.8	26,604,000	87%	4,001,000	13%	30,605,000	100%
February	0.8	22,444,000	86%	3,661,000	14%	26,105,000	100%
March	3.1	28,785,000	87%	4,251,000	13%	33,036,000	100%
April	5.3	35,053,000	87%	5,231,000	13%	40,284,000	100%
May	7.0	42,126,000	86%	6,704,000	14%	48,830,000	100%
June	1.2	44,599,000	87%	6,545,000	13%	51,144,000	100%
July	8.7	59,190,000	87%	8,793,000	13%	67,983,000	100%
August	7.7	51,798,000	86%	8,171,000	14%	59,969,000	100%
September	6.0	44,634,000	87%	6,655,000	13%	51,289,000	100%
October	0.5	36,156,000	88%	5,029,000	12%	41,185,000	100%
November	1.2	29,750,000	87%	4,357,000	13%	34,107,000	100%
December	0.8	23,139,000	86%	3,914,000	14%	27,053,000	100%
	45.4	467,718,000	87%	71,221,000	13%	538,939,000	100%

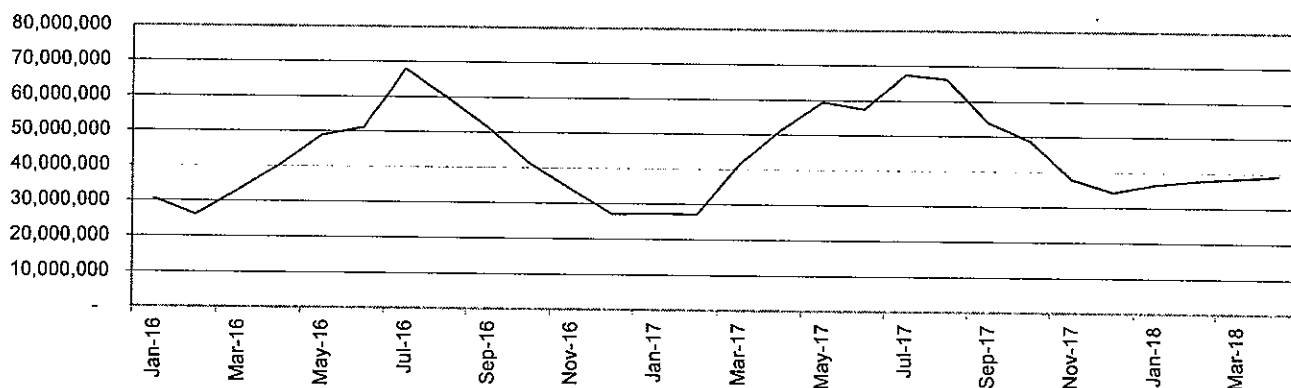
<u>2017</u>	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	2.5	23,440,000	86%	3,909,000	14%	27,349,000	100%
February	0.7	23,345,000	86%	3,812,000	14%	27,157,000	100%
March	3.8	36,554,000	88%	4,844,000	12%	41,398,000	100%
April	9.8	44,665,000	87%	6,723,000	13%	51,388,000	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							
June							
July							
August							
September							
October							
November							
December							
	13.3	131,799,000	87%	19,112,000	13%	150,911,000	100%

Monthly Influent Flow
Figure 3A

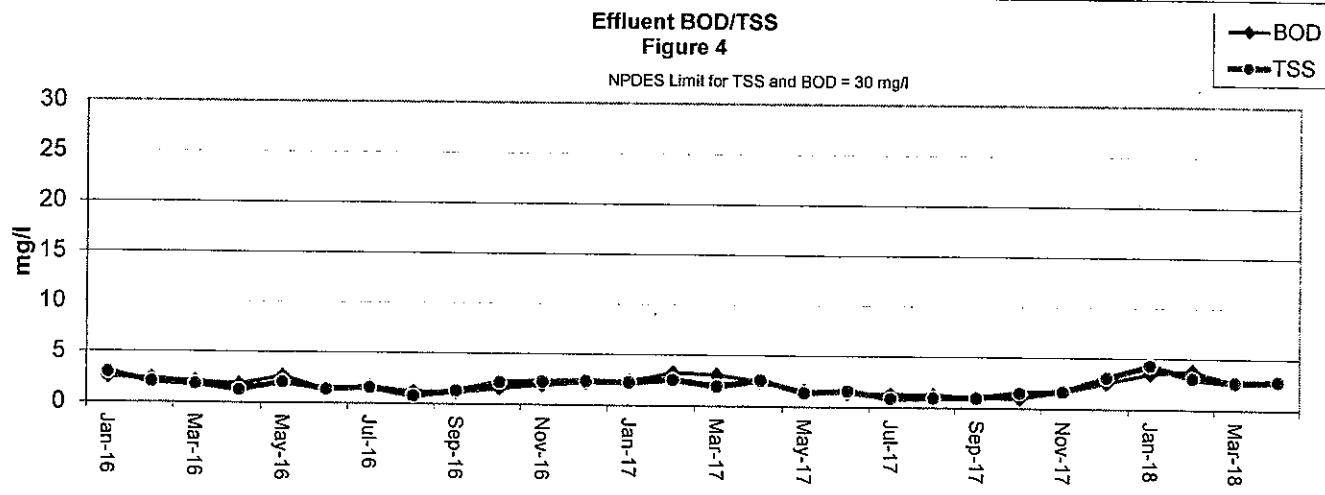


Monthly Influent Flow
Figure 3B

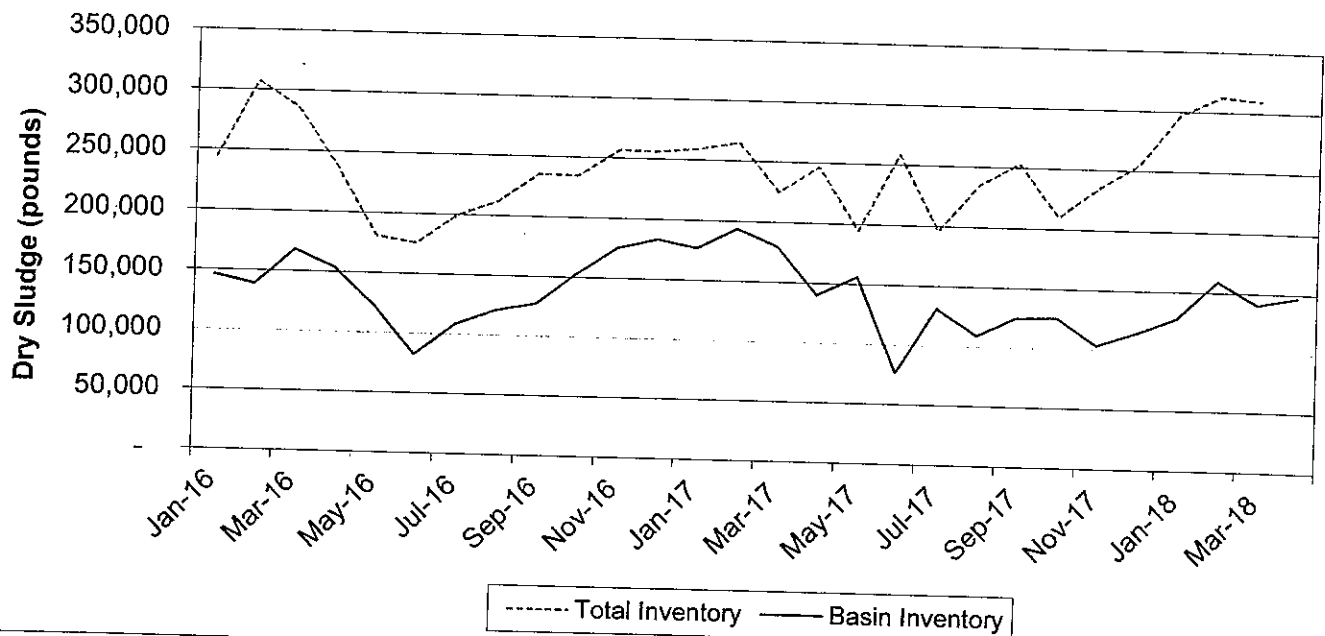


Effluent BOD/TSS
Figure 4

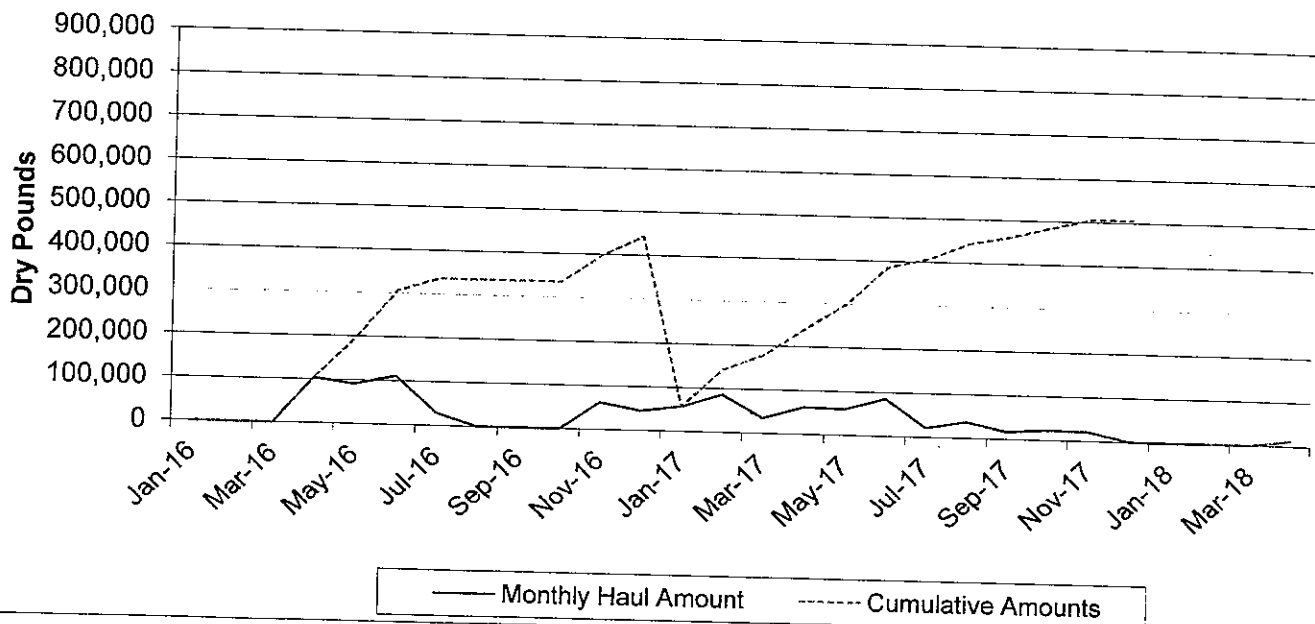
NPDES Limit for TSS and BOD = 30 mg/l



Sludge Inventory



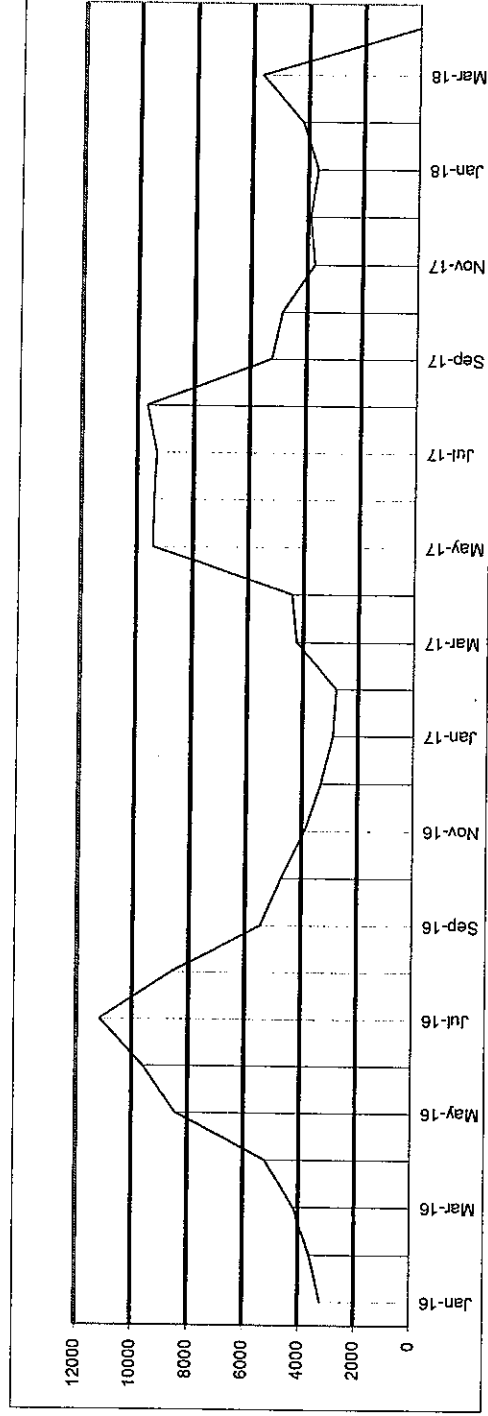
Hauled Sludge Summary



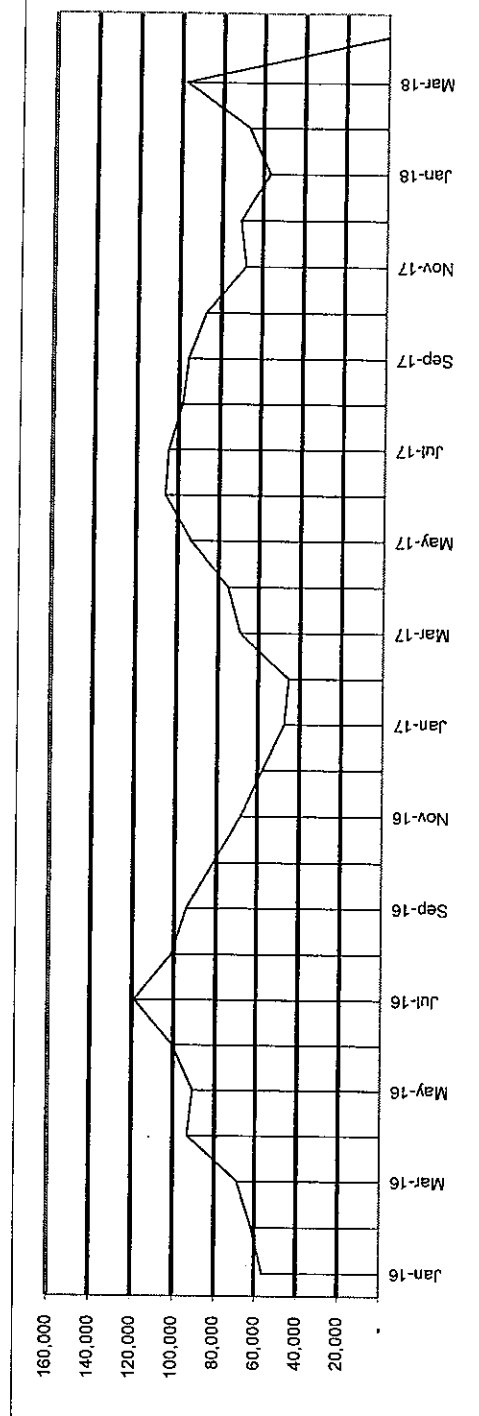
Electric Cost Kilowatts Used

Jan-16	3223	56,290
Feb-16	3613	61,740
Mar-16	4195	69,020
Apr-16	5235	93,310
May-16	8446	90,640
Jun-16	9618	100,670
Jul-16	11166	119,020
Aug-16	8627	101,260
Sep-16	5460	94,280
Oct-16	4737	81,500
Nov-16	3903	68,360
Dec-16	3324	57,810
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	0	-

Electric Cost



Kilowatts Used





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

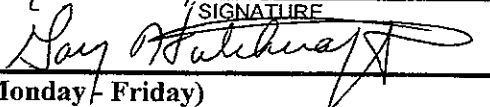
NAME OF FACILITY						LOCATION ADDRESS & CITY								COUNTY/REGION	
Lake of the Ozarks Regional WWTP #1						#3 Anderson Road								Miller/SWRO	
MONTH/YEAR		PERMIT NUMBER				OUTFALL NUMBER		TYPE TREATMENT FACILITY							
Apr-18		MO-0103241				#001		Oxidation Ditch/UV/Sludge Holding-sludge is land applied							
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	7.4			11.4	1.535	7.7				7.0		11.2			
2	7.4			11.2	1.410	7.7				6.1	< 20	10.4			
3	7.4			13.0	1.507	7.7				6.4		11.4			
4	7.4			10.6	1.435	7.7				6.9		9.8			
5	7.4			11.9	1.471	7.8			0.07	7.8		10.8			
6	7.4	185	164	12.2	1.434	7.7	2.7	2.8		6.0		11.2	98.5	98.3	
7	7.2			11.1	1.466	7.7				7.0		9.8			
8	7.3			11.9	1.564	7.7				7.0		10.3			
9	7.3			12.5	1.499	7.7				7.8	< 20	10.1			
10	7.5			11.6	1.419	7.7				7.0		10.4			
11	7.4			12.8	1.385	7.6				6.1		11.7			
12	7.4			13.4	1.398	7.7			0.06	5.7		13.4			
13	7.5	285	332	14.4	1.394	7.8	3.0	3.8		5.9		14.9	98.9	98.9	
14	7.4			13.7	1.665	7.9				6.0		14.9			
15	7.4			12.7	1.674	7.8				6.3		13.4			
16	7.5			11.0	1.642	7.9				5.9	< 20	10.9			
17	7.5			12.5	1.345	7.8				6.3		11.9			
18	7.4			13.9	1.460	8.0				6.6		14.1			
19	7.4			13.5	1.396	7.8			0.09	6.0		12.5			
20	7.4	295	330	13.3	1.479	7.9	2.9	2.3		7.1		13.2	99.0	99.3	
21	7.5			13.9	1.755	7.8				6.0		13.6			
22	7.5			13.9	1.587	7.9				6.4		13.4			
23	7.4			14.2	1.967	7.8				5.5	< 20	14.2			
24	7.3			15.0	1.522	7.9				7.0		15.0			
25	7.3			14.8	1.449	7.5				6.3		15.3			
26	7.4			14.7	1.469	7.9			0.13	5.8		15.2			
27	7.5	540	1142	14.8	1.573	8.0	2.7	2.4		6.6		16.0	99.5	99.8	
28	7.4			15.1	1.620	8.1				6.0		15.5			
29	7.4			16.1	1.714	8.0				5.9		15.5			
30	7.6			16.8	1.479	8.1				7.0	< 20	16.8			
Total					45.713										
Avg		326	492	13	1.524		2.8	2.8	0.09	6.4	< 20	12.9	99.0	99.1	
Min	7.2	185	164	11	1.345	7.5	2.7	2.3	0.06	5.5	< 20	9.8	98.5	98.3	
Max	7.6	540	1142	17	1.967	8.1	3.0	3.8	0.13	7.8	< 20	16.8	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	< 5.0	< 1.0	221	300	4.1	< 0.10	25.6	0.41	< 5.0	< 10.0
4										
5										
6										
7										
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22										
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24										
25										
26										
27										
28										
29										
30										
Total	< 5.0	< 1.0	221	300	4.1	< 0.10	25.6	0.410	< 5.0	< 10.0
Avg	< 5.0	< 1.0	221	300	4.1	< 0.10	25.6	0.41	< 5.0	< 10.0
Min	< 5.0	< 1.0	221	300	4.1	< 0.10	25.6	0.41	< 5.0	< 10.0
Max	< 5.0	< 1.0	221	300	4.1	< 0.10	25.6	0.41	< 5.0	< 10.0

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		2.4	6,180	760	11.1	3.4	5,480	710	11.0	32	0	7:30
2		3.3	5,200	730	9.9	2.6	5,790	780	9.8	33	0.2	7:30
3		2.4	5,200	710	11.6	2.1	6,060	770	11.5	52	0	7:30
4		3.6	5,860	740	9.3	2.9	5,900	780	9.7	27	0	7:30
5		3.0	6,220	770	10.7	2.8	5,460	700	10.6	30	0	7:30
6		1.6	6,050	760	11.3	2.4	5,950	710	11.3	42	0	7:30
7		3.2	6,000	780	9.8	3.6	5,480	700	9.6	28	0	7:30
8		4.7	5,720	730	9.8	5.3	5,620	740	9.8	29	0	7:30
9		4.0	5,010	700	10.0	3.8	5,960	750	10.0	36	0	7:30
10		3.4	5,400	720	10.5	3.0	5,870	780	10.6	41	0	7:30
11		1.8	6,340	770	11.7	1.7	5,230	690	11.8	45	0	7:30
12		1.1	7,130	820	14.2	1.9	4,980	490	13.6	54	0	7:30
13		1.2	5,620	700	15.8	1.1	6,060	740	15.2	68	0	7:30
14		1.4	6,060	750	15.2	1.5	5,590	690	15.1	56	0.6	7:30
15		1.5	5,650	730	13.0	1.5	5,890	750	12.9	34	0	7:30
16		1.2	6,540	830	11.3	2.2	4,900	640	11.7	33	0	7:30
17		1.5	5,890	800	11.7	2.5	5,240	700	11.8	36	0	7:30
18		1.4	5,790	740	13.5	2.3	5,480	670	13.5	56	0	7:30
19		1.4	5,670	700	12.2	1.2	6,250	800	12.3	40	0	7:30
20		2.6	5,890	750	12.9	2.4	5,830	730	12.9	36	0	7:30
21		1.2	6,310	770	13.2	1.2	5,590	740	13.2	48	0	7:30
22		1.5	5,280	700	13.6	1.8	5,270	680	13.7	53	0.2	7:30
23		1.4	6,090	760	14.5	1.1	5,920	780	14.2	54	0.6	7:30
24	8,393	1.7	5,980	770	15.0	1.7	6,000	790	14.9	49	0	7:30
25	3,703	1.2	5,720	740	15.7	1.1	5,860	740	15.5	54	0	7:30
26		1.4	5,590	690	15.1	1.5	6,200	800	15.0	51	0.3	7:30
27		1.5	6,550	780	15.8	1.6	5,559	680	15.7	52	0	7:30
28		1.2	6,430	820	15.6	1.6	5,810	750	15.4	51	0	7:30
29		2.0	5,970	750	15.5	1.3	5,630	730	15.4	45	0	7:30
30		1.3	5,670	700	17.0	1.9	5,040	650	17.1	59	0	7:30

COMMENTS:

TESTS PERFORMED BY (PRINT)	SIGNATURE	PHONE #	DATE
John Hornback		(573)365-0455	5/3/2018
REPORT APPROVED BY (PRINT)	SIGNATURE	PHONE #	DATE
Gary Hutchcraft		(573)365-0455	5/3/2018

*Required Daily (Monday - Friday)

**Required 1/week

PERMITTEE NAME/ADDRESS

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

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)

MO0103241		001 A	
PERMIT NUMBER		DISCHARGE NUMBER	
MONITORING PERIOD			
YEAR	MO	DAY	YEAR
2018	04	01	2018 04 30

FROM

TO

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	2.8	Weekly	24 Hour Composite
Stage Type: End of Pipe	REQRMNT	*****	*****	*****	Weekly Average: 45	Monthly Average: 30	Weekly	24 Hour Composite
BOD, 5-day, percent removal (81010)	REPORTD	*****	*****	*****	*****	98.3	Monthly	Calculated
Stage Type: End of Pipe	REQRMNT	*****	*****	*****	*****	Monthly Average Minimum: 85	Monthly	Calculated
Escherichia coli (E. coli) (51040)	REPORTD	*****	*****	*****	<20	<20	Weekly	Grab
Stage Type: End of Pipe	REQRMNT	*****	*****	*****	7 Day Geometric Mean: 630	30 Day Geometric Mean: 126	Weekly	Grab
Flow, in conduit or thru treatment plant (50050)	REPORTD	1.967	1.524	*****	*****	*****	Daily	Total Measured
Stage Type: End of Pipe	REQRMNT	Daily Maximum: Monitoring Required	Monthly Average: Monitoring Required	*****	*****	*****	Daily	Total Measured
Nitrogen, ammonia total (as N) (00610)	REPORTD	*****	*****	*****	0.13	0.09	Weekly	Grab
Stage Type: End of Pipe	REQRMNT	*****	*****	*****	Daily Maximum: 6.0	Monthly Average: 1.1	Weekly	Grab
Oil and grease (soxhlet extr.) tot (00550)	REPORTD	*****	*****	*****	<5.0	<5.0	Monthly	Grab
Stage Type: End of Pipe	REQRMNT	*****	*****	*****	Daily Maximum: 15	Monthly Average: 10	Monthly	Grab
pH (00400)	REPORTD	*****	*****	*****	7.5	8.1	Weekly	Grab
Stage Type: End of Pipe	REQRMNT	*****	*****	*****	Minimum: 6.5	Maximum: 9.0	Weekly	Grab

GENERAL PERMIT REQUIREMENTS OR COMMENTS:
OR TREATMENT-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.

Gary Hutchcraft		7305	
TYPED OR PRINTED NAME		CERTIFICATE NUMBER	
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	
Gary F Hutchcraft	Gary F Hutchcraft	2018-05-03 15:34:20	
TYPED OR PRINTED NAME	SIGNATURE	Date	

Page 1

PERMITTEE NAME/ADDRESS

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

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)

MO0103241		001 A	
PERMIT NUMBER		DISCHARGE NUMBER	
MONITORING PERIOD			
YEAR	MO	DAY	YEAR
2018	04	01	2018 04 30

FROM

TO

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS
BEFORE COMPLETING THIS FORM

Parameter		MASS	Unit	CONCENTRATION	Unit	FREQUENCY OF ANALYSIS	SAMPLE TYPE	LAB CODE
Selenium (Se), total recoverable (00981)	REPORTD	*****	*****	*****	<1.0	<1.0	Monthly	Grab
Stage Type: End of Pipe	REQRMNT	*****	*****	*****	Daily Maximum: 9.1	Monthly Average: 3.6	Monthly	Grab
Suspended Solids, percent removal (81011)	REPORTD	*****	*****	*****	*****	98.3	Monthly	Calculated
Stage Type: End of Pipe	REQRMNT	*****	*****	*****	*****	Monthly Average Minimum: 85	Monthly	Calculated
Total Suspended Solids (TSS) (00530)	REPORTD	*****	*****	*****	3.8	2.8	Weekly	24 Hour Composite
Stage Type: End of Pipe	REQRMNT	*****	*****	*****	Weekly Average: 45	Monthly Average: 30	Weekly	24 Hour Composite

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OR TREATMENT-SPECIFIC COMMENTS:
PARAMETER-SPECIFIC COMMENTS:

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Gary Hutchcraft		7305	
TYPED OR PRINTED NAME		CERTIFICATE NUMBER	
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	
Gary F Hutchcraft	Gary F Hutchcraft	2018-05-03 15:34:20	
TYPED OR PRINTED NAME	SIGNATURE	Date	

Page 2

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

M00103241		SM2 A	
PERMIT NUMBER		DISCHARGE NUMBER	
MONITORING PERIOD			
YEAR	MO	DAY	YEAR
2018	04	01	2018 04 30

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS
REPORT COMPLETING INSTRUCTIONS

Parameter	FROM	MASS	Unit	CONCENTRATION	Unit	FREQUENCY OF ANALYSIS	SAMPLE TYPE	LAB CODE
Hardness, total (as CaCO ₃) (00900)	REPORTD	*****	*****	300	*****	300	Monthly	Grab
Stage Type: Instream Monitoring	REQRMT	*****	*****	Daily Maximum : Monitoring Required	*****	Monthly Average : Monitoring Required	Monthly	Grab

GENERAL PERMIT REQUIREMENTS OR COMMENTS:
OFFICIAL 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		
TYPED OR PRINTED NAME		CERTIFICATE NUMBER
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		573-565-0435
Gary F Hutchcraft	Gary F Hutchcraft	2018-05-03 15:34:20
TYPED OR PRINTED NAME	SIGNATURE	Date

Page 3

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 65807-3912
4178914300
4178914399 (fax)

PERMITTEE NAME/ADDRESS

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

MO0103241	001 B
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	2018	04	01		2018	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	REQRMNT	*****	*****	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	REQRMNT	*****	*****	Daily Maximum : Monitoring Required	*****	Monthly Average : Monitoring Required	Quarterly	Grab
Nitrogen, total (as N) (00600)	REPORTD	*****	*****	25.6	*****	25.6	Quarterly	Grab
Stage Type: End of Pipe	REQRMNT	*****	*****	Daily Maximum : Monitoring Required	*****	Monthly Average : Monitoring Required	Quarterly	Grab
Phosphorus, total (as P) (00665)	REPORTD	*****	*****	4.1	*****	4.1	Quarterly	Grab
Stage Type: End of Pipe	REQRMNT	*****	*****	Daily Maximum : Monitoring Required	*****	Monthly Average : Monitoring Required	Quarterly	Grab

GENERAL PERMIT REQUIREMENTS OR COMMENTS:
OR TREATMENT SPECIFIC COMMENTS:
PARAMETER SPECIFIC COMMENTS:

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OPERATOR IN RESPONSIBLE CHARGE		7303
TYPED OR PRINTED NAME Gary F Hutchcraft		CERTIFICATE NUMBER
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE
Gary F Hutchcraft		573-365-0455
TYPED OR PRINTED NAME		2018-05-03 15:41:38
SIGNATURE		Date

Page 1

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

Dep. of Natural Resources
(REGIONAL OFFICE)
Southwest Regional Office
2040 W. Woodland
Springfield, MO 65807-3912
4178914300
4178914399 (fax)

PERMITTEE NAME/ADDRESS

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

MO0103241	SM1 A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	2018	04	01		2018	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	*****	*****	0.41	*****	0.41	Quarterly	Grab
Stage Type: Instream Monitoring	REQRMNT	*****	*****	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	REQRMNT	*****	*****	Daily Maximum : Monitoring Required	*****	Monthly Average : Monitoring Required	Quarterly	Grab

GENERAL PERMIT REQUIREMENTS OR COMMENTS:
OR TREATMENT 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		7303
TYPED OR PRINTED NAME Gary F Hutchcraft		CERTIFICATE NUMBER
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE
Gary F Hutchcraft		573-365-0455
TYPED OR PRINTED NAME		2018-05-03 15:41:38
SIGNATURE		Date

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for APRIL, 2018

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

Approved by: _____

Table

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