

**OSAGE BEACH / LAKE OZARK
JOINT SEWER BOARD MEETING AGENDA
September 19, 2017 @ 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

Regular Meeting; August 15, 2017

PAGE NUMBERS

3-4

PUBLIC COMMENT

This time is set aside on the Agenda for citizens and visitors to address the Joint Sewer Commission on any topic that is not a Public Hearing. The Joint Sewer Commission welcomes input and feedback from the public. Speakers will be restricted to three minutes for non-agenda items; five minutes for agenda items unless otherwise permitted. Minutes may not be donated or transferred from one speaker to another.

4. REPORTS

Bill List	5-17
Revenue Budget Analysis	19
Expenditure Budget Analysis	21
Income & Expense Summary	23
Check Registers & Bank Statements	25-28
 Alliance Report of Operations	 29-46
Approval of Flow Chart	

5. OLD BUSINESS:

A. Discussion and update in regard to securing a backup generator

6. NEW BUSINESS:

- A. Discussion and possible action on Financial Records Disposal 2017 47
- B. Discussion and possible action on Corporate Resolution-Bank
Account for Grant Funds.

7. ADDITIONAL DISCUSSION ITEMS

8. ADJOURNMENT

THE NEXT MEETING WILL BE OCTOBER 17, 2017, 4:00 PM @ LAKE OZARK
CITY HALL

LAKE OZARK-OSAGE BEACH
JOINT SEWER BOARD
Meeting Minutes-August 15, 2017

CALL TO ORDER:

Mayor Johnnie Franzeskos called the meeting to order at 4:00pm on Tuesday, August 15, 2017 at Lake Ozark City Hall

ROLL CALL:

Mayor, City of Lake Ozark, Johnnie Franzeskos-Present
Mayor, Osage Beach, John Olivarri-Present
City Administrator, Osage Beach-Jeana Woods-Absent
City Administrator, City of Lake Ozark-Dave Van Dee-Present
Alderman, Osage Beach-Richard Ross-Present
Alderman, Lake Ozark-Gerry Murawski-Arrived 4:01pm
Public Works Director, Osage Beach, Nick Edelman-Present
Public Works Director, City of Lake Ozark-Matt Michalik-Present
Resident Member, Mr. Gary Hamner-Present

MINUTES:

Mayor Olivarri made a motion to approve the meeting minutes of July 18, 2017, seconded by Public Works Director Michalik. Motion passed unanimously.

REPORTS:

Public Works Director Michalik made a motion to approve the Bills List, seconded by Alderman Murawski, motion passed unanimously.

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

Alliance Report of Operations: The daily incoming flow for July was 2.175 mgd. They had 5.2 inches of precipitation measured at the WWTP in July.

Operationally, the plant's discharge was excellent, with an effluent monthly average BOD of 1.3 mg/l and TSS of 0.9 mg/l respectively for July, which represents a 99.4 +% or better removal.

The MLSS average for both aeration basins was 3,835 mg/l in July. The total dry weight sludge inventory for July totaled 258,426 pounds. There were 20 tanker loads or 74,000 gallons of biosolids land applied in July. We also received 43 tanker loads or 107,500 gallons of septage for the month of July.

APPROVAL OF FLOW CHART

Motion was made by Public Works Director Edelman to approve the Flow Chart, seconded by Alderman Ross, motion passed unanimously.

OLD BUSINESS: None

NEW BUSINESS:

A. Discussion and update in regard to securing a backup generator.

It was discussed that FEMA is unable to help us in securing a backup generator however; SEMA has indicated they can steer us in another direction.

ADJOURNMENT:

At 4:12pm Public Works Director Michalik made a motion to adjourn, seconded by Alderman Murawski, motioned passed unanimously.

Approved On:

Mayor, Johnnie Franzekos

City Clerk, Kimberly Baker

JOINT SEWER BOARD
BILL LIST
SEPTEMBER 19, 2017

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:	\$ -
OPERATING FUND BILLS TO BE PAID:	\$ 40,438.46
EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:	\$ -
EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:	\$ -
TOTAL	\$ 40,438.46

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	3613	Ameren MO	August Service	\$ 9,666.03
4000	3614	Equipment Replacement Fund	Payment into ER Fund	\$ 3,467.00
4170	3615	Alliance Water Resources, Inc.	Management Fee	\$ 25,935.82
4150	3616	Alliance Water Resources, Inc.	Fuel Pump & Tire	\$ 655.06
4020	3616	Alliance Water Resources, Inc.	Lab Main	\$ 307.15
4020	3617	Mission Communication	1 year main	\$ 407.40
				\$ -
				\$ -
			TOTAL	\$ 40,438.46

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	\$ -



* AmerenMissouri.com
 * 1.877.428.3738
 * PO Box 88068 Chicago, IL 60680-1068
 Ameren payment processing center

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Account Number 458006832
 Customer Name ALLIANCE WATER RESOURCES INC
 Service Address 3 ANDERSON RD.
 LAKE OZARK, MO 65048

AMOUNT DUE \$9,610.21

Due Date 09/28/2017

Current Detail for Statement 09/07/2017

Total Electric Charges \$9,610.21

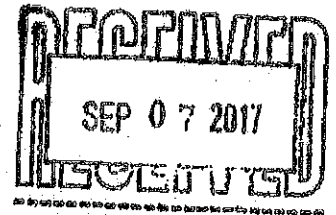
Amount After Due Date \$9,754.36

Total Amount Due \$9,610.21

Previous Statement \$9,208.07

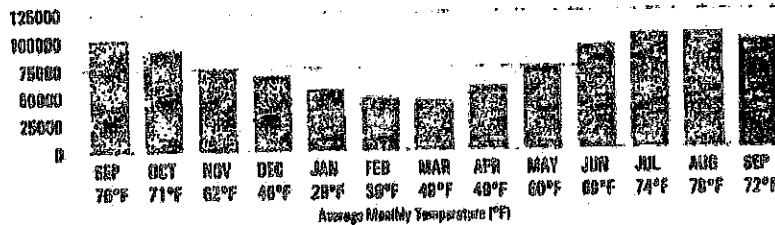
Total Payments \$9,208.07

Payment Received, Thank You.



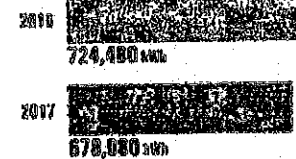
Electric Usage History

Electric Usage in Kilowatt Hours (kWh)



Electric Usage Summary (kWh)

So far this year, you've used 6.4% less than last year.



Usage from Jan-Sep for 2016 & 2017

13073 00053 2277858 0002 092139 102

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



* See next page for service details.

Keep this portion for your records.

Page 1 of 4

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Amount Due	Due Date
\$9,610.21	September 28, 2017
Amount After Due Date	Account Number
\$9,754.36	458006832

Amount Enclosed \$

>000253 2277858 0002 092139 102

ALLIANCE WATER RESOURCES INC
 PO BOX 1985
 LAKE OZARK, MO 65048-1985

AMEREN MISSOURI
 PO BOX 88068
 CHICAGO IL 60680-1068

40600000 0045800058302 000009610210 000009610210



AmerenMissouri.com
 1.877.426.3736
 PO Box 80068 Chicago, IL 60680-1068
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Electric Service Details Service from 09/06/2017 - 09/05/2017 (30 days)

Electric Meter Read

METER NUMBER	SERVICE FROM TO	NO. DAYS	USAGE TYPE	READING TYPE	CURRENT READING	PREVIOUS READING	READING DIFFERENCE	MULTIPLIER	USAGE
11673221	09/06 - 09/05	30	Total kWh	Actual	42550.0000	41938.0000	612.0000	160.0000	97920.0000
11673221	09/06 - 09/05	30	Peak kW	Actual	1.3460	0.0000	1.3460	100.0000	215.3000

Usage Summary

Total kWh	97920.0000	Peak kW	215.4000
Billing Demand	215.4000	Total Billing Demand	215.4000

Rate 3M Large General Service

DESCRIPTION	USAGE	UNIT	RATE	CHARGE
Demand Charge	215.40	kW	@ \$ 5.40000000	\$1,163.16
Energy Charge/Hours Used	32,310.00	kWh	@ \$ 0.10580000	\$3,416.40
Energy Charge/Hours Used	43,060.00	kWh	@ \$ 0.07900000	\$3,428.17
Energy Charge/Hours Used	22,630.00	kWh	@ \$ 0.05350000	\$1,205.35
Customer Charge				\$86.07
Fuel Adjustment Charge	97,920.00	kWh	@ \$ 0.00090000	\$87.58
Energy Efficiency Program Charge	97,920.00	kWh	@ \$ 0.00030000	\$29.38
Energy Efficiency Investment Charge	97,920.00	kWh	@ \$ 0.00209400	\$202.11
Total Service Amount				\$5,898.21
Total Electric Charges				\$9,010.21

Payments Since Previous Statement

DATE RECEIVED	AMOUNT
August 22, 2017	\$9,208.07

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 _____

AmerenMissouri.com/WaysToPay



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PHONE
866.266.3729



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Ameren payment processing center

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Account Number 5580008820
Customer Name ALLIANCE WATER RESOURCES INC
Service Address 3 ANDERSON RD
LAKE OZARK, MO 65048

AMOUNT DUE \$55.82

Due Date 09/28/2017

Current Detail for Statement 09/07/2017

Total Electric Charges \$55.82

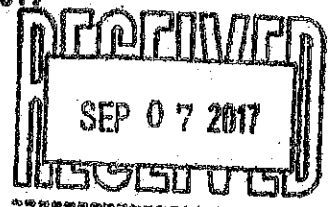
Amount After Due Date \$55.86

Total Amount Due \$55.82

Previous Statement \$101.68

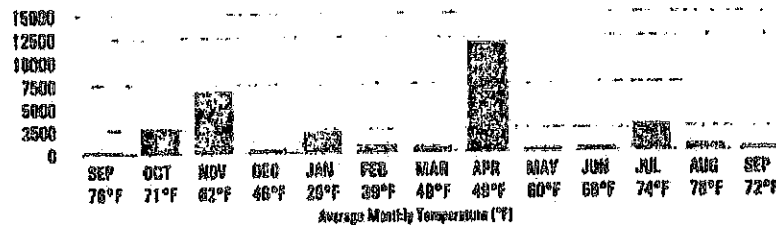
Total Payments \$101.88

Payment Received. Thank You.



Electric Usage History

Electric Usage in Kilowatt Hours (kWh)



Electric Usage Summary (kWh)

So far this year, you're using 42.3% less than last year.

2016 34,770 kWh

2017 20,070 kWh

Usage from Jan-Sep for 2016 & 2017

13073 00268 2277856 0002 092139 102

Keeping You Informed.

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

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Amount Due	Due Date
\$55.82	September 28, 2017
Delinquent Amount After Due Date	Account Number
\$55.86	5580008820

Amount Enclosed \$

>000269 2277856 0002 092139 102

ALLIANCE WATER RESOURCES INC
PO BOX 1985
LAKE OZARK, MO 65048-1985

AMEREN MISSOURI
PO BOX 88068
CHICAGO IL 60680-1068

10633000 0055800057200 000000055820 000000055820



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Electric Service Details Service from: 08/06/2017 - 09/05/2017 (30 Days)

Electric Meter Read

METER NUMBER	SERVICE FROM - TO	NO. DAYS	USAGE TYPE	READING TYPE	CURRENT READING	PREVIOUS READING	READING DIFFERENCE	MULTIPLIER	USAGE
00041275	08/06 - 09/05	30	Total kWh	Actual	15957.0000	15937.0000	20.0000	10.0000	300.0000
00041275	08/06 - 09/05	30	Peak kW	Actual	0.4050	0.0000	0.4050	10.0000	4.0500

Usage Summary

Total kWh 300.0000

Rate 2/M Sun Sun Sun - 3 Ph w/Dmd

Threshold - Peak Demand

DESCRIPTION	USAGE	UNIT	RATE	CHARGE
Total Energy Charge	300.00	kWh	@ \$ 0.11200000	\$33.60
Customer Charge				\$21.43
Fuel Adjustment Charge	300.00	kWh	@ \$ 0.00089000	\$0.21
Energy Efficiency Program Charge	300.00	kWh	@ \$ 0.00010000	\$0.03
Energy Efficiency Investment Charge	300.00	kWh	@ \$ 0.00182800	\$0.55
			Total Service Amount	\$55.82
			Total Electric Charges	\$55.82

Payments Since Previous Statement

DATE RECEIVED	AMOUNT
August 22, 2017	\$103.68

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

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Address Changes or Corrections

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 Address _____
 City, State, Zip _____
 Phone Number _____

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MAIL
STUB & CHECK

Alliance Water Resources, Inc.
Professional Water and Wastewater Operations
 208 South Keene Street
 Columbia, Missouri 65201
 (573) 874-9080 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: 7606
 Invoice Date: 1-Sep-17
 Customer No: 20220
 Terms: 30 days

REFERENCE	DESCRIPTION	AMOUNT
	Wastewater Plant operating service for month of: Sep-17 Base Fee	\$25,935.82
TOTAL DUE		\$25,935.82

Alliance Water Resources, Inc.
Professional Water and Wastewater Operations
 206 South Keane 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 65066

INVOICE

Invoice No: 7808
 Invoice Date: 1-Sep-17
 Customer No: 20220
 Terms: 30 days

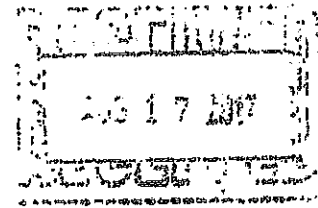
REFERENCE	DESCRIPTION	AMOUNT
	Roemer's Heavy Equipment - 1 Invoice - 50%	\$230.77
	Clark Tire - 1 Invoice - 50%	\$424.29
	USA Bluebook - 3 Invoices - 50%	\$307.15
TOTAL DUE		\$962.21

Invoice #90701

Clark Tire Company - (SUNR)

13893 N. Hwy 5, Sunrise Beach, MO 65079
Phone: 673-374-8864
www.clarktireco.com

Family owned since 1949.



Customer Information		Invoice	Additional Information	
ALLIANCE WATER RESOURCES INC. LAKE C		Date: 8/04/2017	PO Number:	
P.O. BOX 1985		Reference: 90701	Work Order#:	W-3837080
LAKE OZARK, MO 65049		Salesperson:	Comment:	
Acct Number:		Route:	Comment:	
P: 573-365-0455 Contact:		Delivery Date: 8/04/2017	Entered By:	Joel (Sunr) Clark
P: 573-216-8398 Contact:				

Qty	Description	FET	Unit Price	Ext. Price
1.00	756514422, 425/65225, GOODYEAR 278MSA L (20 Ply), GOODYEAR	37.33	794.13	794.13
1.00	balance bags		9.95	9.95
1.00	MOUNT 425/65r22.5		30.00	30.00
1.00	TIRE REPAIR		12.50	12.50
MO Taxable (7.975%) SUNR				
				Subtotal: 846.58
				MO Environmental Tax: 0.50
				FET: 37.33
				MO Sales Tax (7.975%): 64.13
				Tire Disposal - Sunrise: 2.00
Terms: NET 30 Days				Total: \$950.54
				Balance \$950.54

Terms:	Due Date	Due Amount	Amt Remain
	9/03/2017	\$950.54	\$950.54

Account Balance	Current	0-29 Days	30-59 Days	60-89 Days	90+ Days
\$1,033.54	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

GL Acct#: 6702-20 \$526.25 1220-20 \$424.29 4150
Signature: [Signature]
Date: 8/17/17

"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-3837080

8/17/2017 11:23 AM Page: 1 Entered By: Joel (Sunr) Clark

Signature

USABlueBook

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Remit To:
P.O. Box 9004
Gurnee, IL 60031-9004
TEL: (847) 699-3000
FAX: (847) 699-3001
TOLL FREE: 1-800-493-9876
F.E.I.N.: 52-2418662

INVOICE

INVOICE NO.	PAGE NO.
339983	1 of 1
CUSTOMER NO.	DATE
304523	08/14/17

View online at: <http://usabluebook.billtrust.com>
Web Enrollment Token: HFB QFB VSV

BILL TO: 304523
2267 1MB 0.423 ED111 ID157 D2744281009 S2 P4641751 00032003

SHIP TO: 4



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

ALLIANCE WATER RESOURCES
DELIVER BY 4 PM
3 ANDERSON RD
LAKE OZARK MO 65049
USA

Ordered by: 0009 GARY HUTCHCRAFT

Attention: 0009 GARY HUTCHCRAFT

CUSTOMER P.O. NO.	SHIP DATE	SLP	TERMS	TAX CODE	SALES ORDER NO.	WH	FREIGHT	SHIP VIA
VERBAL GARY	08/14/17	TLB	1%/10 NET 30	MO	949545	01	PREPAID	UPS
USA STOCK NO.	DESCRIPTION	ORDERED	SHIPPED	BACKORDER	U/M	PRICE	PER	EXTENSION
40104	Repl. DO Module for YSI 550 Or YSI 550A YSI 556 LAB MAINTENANCE	1	1	0	EA	174.96	EA	174.96
GL Acct#: 7530-20 108.31 1220-20 97.62 4020 Signature: Gary Hutchcraft Date: 8/21/17								

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

MERCHANDISE	MISCELLANEOUS	DISCOUNT	TAX	FREIGHT	TOTAL
174.96	0.00	0.00	10.70	20.27	205.93

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

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

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IMPORTANT

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

INVOICE NO.	CUSTOMER NO.	DATE	TOTAL
339983	304523	08/14/17	205.93

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

REMITTANCE ADDRESS

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

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Gurnee, IL 60031-9004
TEL: (847) 689-3000
FAX: (847) 689-3001
TOLL FREE: 1-800-493-8876
F.E.I.N.: 52-2418852

INVOICE

INVOICE NO.	PAGE NO.
342816	1 of 1
CUSTOMER NO.	DATE
304523	08/16/17

View online at: <http://usabluebook.billtrust.com>
Web Enrollment Token: HFB QFB VSV

BILL TO: 304523
002 1 MB 0.423 E0438X 10818 02760931277 52 P4559121 0001:0001

SHIP TO: 4

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

ALLIANCE WATER RESOURCES
*****DELIVER BY 4 PM*****
3 ANDERSON RD
LAKE OZARK MO 65049
USA

Ordered by: 0009 GARY HUTCHCRAFT

Attention: 0009 GARY HUTCHCRAFT

CUSTOMER P.O. NO.	SHIP DATE	SLP	TERMS	TAX CODE	SALES ORDER NO.	WH.	FREIGHT	SHIP VIA
VERBAL GARY	08/16/17	CRJ	1%/10 NET 30	MO	551480	01	PREPAID	UPS
USA STOCK NO.	DESCRIPTION	ORDERED	SHIPPED	BACKORDER	U/M	PRICE	PER.	EXTENSION
35624	Repl. 12' Cable Assembly for YSI 550 & 550A	1	1	0	EA	191.58	EA	191.51
LAB MAINTENANCE								
GL Acct#: 2530-20 \$118.18 1220-20 \$106.52 4020								
Signature: Gary Hutchcraft								
Date: 8/21/17								

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

MERCHANDISE	MISCELLANEOUS	DISCOUNT	TAX	FREIGHT	TOTAL
191.58	0.00	0.00	11.67	21.45	224.70

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

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INVOICE NO.	CUSTOMER NO.	DATE	TOTAL
342816	304523	08/16/17	224.70

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

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

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Gurnee, IL 60031-9004
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FAX: (847) 689-3001
TOLL FREE: 1-800-493-9876
F.E.I.N.: 52-2416052

INVOICE

INVOICE NO.	PAGE NO.
337650	1 of 1
CUSTOMER NO.	DATE
304523	08/10/17

View online at: <http://usabluebook.billtrust.com>
Web Enrollment Token: HFB QFB VSV

BILL TO: 304523
2287 1 MB 0.423 E9111 10156 D2737088145 S2 P4541751 0802:0003

SHIP TO: 4

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

ALLIANCE WATER RESOURCES
DELIVER BY 4 PM
3 ANDERSON RD
LAKE OZARK MO 65049
USA

Ordered by: 0009 GARY HUTCHCRAFT

Attention: 0009 GARY HUTCHCRAFT

CUSTOMER P.O. NO.	SHIP DATE	SLP	TERMS	TAX CODE	SALES ORDER NO.	WH	FREIGHT	SHIP VIA
VERBAL GARY	08/10/17	LST	1%/10 NET 30	MO	948040	D1	FXD/PPD	UPS
USA STOCK NO.	DESCRIPTION	ORDERED	SHIPPED	BACKORDER	U/M	PRICE	PER	EXTENSION
36936	Variable Micro Pipettor 1 to 10 ml	1	1	0	EA	101.80	EA	101.80
14222	Brass Nozzle 1-1/2" NST Stream/Fcg RATED 100 PSI	1	1	0	EA	85.84	EA	85.84
LAB & PLANT MAINTENANCE								
GL Acct#: 7530-20 \$114.29 1220-20 \$103.01 4020								
Signature: Gary Hutchcraft								
Date: 8/21/17								

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

MERCHANDISE	MISCELLANEOUS	DISCOUNT	TAX	FREIGHT	TOTAL
187.64	0.00	0.00	11.29	18.37	217.30

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

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

USABlueBook

Get the Best Treatment™

IMPORTANT

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

INVOICE NO.	CUSTOMER NO.	DATE	TOTAL
337650	304523	08/10/17	217.30

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

REMITTANCE ADDRESS

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



Mission Communications, LLC
3170 Reys Miller Rd
Suite 190
Norcross, GA 30071-5403
Phone: 678-969-0021
Fax: 678-969-0541

PLEASE UPDATE TO
OUR NEW ADDRESS

INVOICE

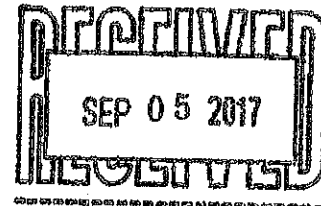
Invoice Date
9/1/2017

Invoice Number
1010696

Bill To

The Joint Sewer Board
Accounts Payable/Gary Hutchcraft
P. O. Box 1985
Lake Ozark, MO 65049

Ship To



CUSTOMER PO		END USER			SHIPPING METHOD		DUE DATE	
Annual Service							10/1/2017	
S.O. No.		SALES REP ID	TERRITORY		SHIP DATE		PAYMENT TERMS	
		HK MW	C		9/1/2017		Net 30	
QTY	Item	Description	Serial No.	Unit Name	Svc. Start	Svc. End	Unit Price	Extension
1	SP110-12RX	Service Package - M110 Series With Option Board - 1 year, NON-SHIP, Renewal.	669MIS8752	Waste Water Treatmen...	10/1/2017	9/30/2018	407.40	407.40

Please make checks payable to Mission Communications, LLC

For your convenience Mission accepts credit cards. Card payments less than \$3,000 received within (7) days of the invoice date may avoid the 3% credit card processing fee.

If you have any questions concerning this invoice please contact our accounting department, 877-993-1911 option 5, accounting@123mc.com

Subtotal	USD 407.40
Sales Tax (0.0%)	USD 0.00
Payment Received	USD 0.00
Balance Due	USD 407.40

Mission provides this service according to the published provisions under Mission's customer service agreement and terms of use.

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

Account Number	Account Name	8/31/2017					Percent YTD
		2015 Actual	2016 Actual	2017 Budget	2017 Actual as of 8/31/2017	2017 August Revenue	
3020	Osage Beach	477,172.03	475,802.57	473,000.00	318,419.88	40,562.15	67%
3010	Lake Ozark	72,827.98	74,197.42	77,000.00	48,246.77	5,271.18	63%
3100	Interest	54.79	368.52	200.00	476.87	51.13	238%
3060	Waste Haulers' Fee	32,400.00	33,460.00	35,000.00	23,280.00	4,140.00	67%
Total Operating Fund		582,454.80	583,828.51	585,200.00	390,423.52	50,024.46	67%
E/R Fund Income		2,188.83	2,847.67	1,500.00	951.65	443.07	63%
TOTAL INCOME		584,643.63	586,676.18	586,700.00	391,375.17	50,467.53	67%

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**MONTH-TO-DATE AND YEAR-TO-DATE
EXPENDITURE/BUDGET ANALYSIS
8/31/2017**

Account Number	Account Name	2015 Actual	2016 Actual	2017 Budget	2017 Actual as of 8/31/2017	2017 August Expenses	Percent YTD
4000	Equipment Replace Fund	41,606.04	41,606.04	41,604.00	27,736.17	3,467.00	67%
4010	ERF Repayment	0.00	0.00	0.00	0.00	0.00	0%
4020	*Maintenance & Repair	33,878.90	18,735.50	28,000.00	115,705.52	479.17	413%
4140	Insurance	16,306.00	16,977.00	17,500.00	17,144.00	0.00	98%
4150	***Vehicle Repair/Maint	1,508.78	951.93	8,000.00	6,452.94	0.00	81%
4160	Haulers Fees to Contractor	8,000.00	8,000.00	8,000.00	8,000.00	580.00	100%
4170	Contract Management	296,233.08	303,638.88	312,750.00	207,486.56	25,935.82	66%
4185	Electric	76,751.19	72,637.17	77,000.00	45,736.70	9,309.73	59%
4190	Bank Charges	0.00	14.85	0.00	0.00	0.00	0%
4200	Audit	2,000.00	2,158.50	2,200.00	2,200.00	0.00	100%
4220	Professional Service	2,368.99	9,193.09	0.00	1,200.00	0.00	0%
4240	Capital Purchases	0.00	0.00	150,000.00	0.00	0.00	0%
	Totals	478,653.98	473,912.96	645,054.00	431,661.89	39,771.72	67%
	**E/R Expenses	1,869.72	7,980.42	26,500.00	4,171.02	0.00	16%
	TOTAL EXPENSES	480,523.70	481,893.38	671,554.00	435,832.91	39,771.72	65%

****Equipment & Replacement**

Normal E/R	10,000.00
Replace impellers for RAS pumps	7,500.00
Rebuild Arm Support Clarifier #2	5,000.00
Replace doors	4,000.00
	<u>26,500.00</u>
***Vehicle Repair/Maint	
Vehicle Maintenance	3,000.00
Tires for Sludge Truck	5,000.00
	<u>8,000.00</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
Rock for Road	2,000.00
Strip and refinish tile in Admin Bldg	1,000.00
Paint RAS room/pipe gallery & valve pits at	7,000.00
	<u>28,000.00</u>

2016 Budget

#1 Aeration Basin grit removal 107,249.88 X

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OPERATING FUND INCOME AND EXPENSE SUMMARY
8/31/2017

Beginning Balance	237,625.72
Income - Osage Beach	40,562.15
Income - Lake Ozark	5,271.18
Income - Other	-
Income - Waste Haulers' Fees	4,140.00
Interest - Checking	51.13
Income - CD Interest	-
Transfers From E/R Fund	-
Transfers to E/R Fund	(3,467.00)
Expenses	(36,304.72)
Ending Fund Balance	247,878.46
Central Bank - NOW Acct.	97,145.31
First Bank of the Lake - Money Mkt.	100,558.00
CD St. Elizabeth, 3/18 #400886	50,175.15
Outstanding Checks:	-
Deposit in Transit:	-
	247,878.46

EQUIPMENT REPLACEMENT FUND INCOME AND EXPENSE SUMMARY
8/31/2017

Beginning Balance	507,864.25
Interest - Checking	65.94
Income - CD Interest	377.13
Transfers From E/R Fund	3,467.00
Transfers to E/R Fund	-
Income - Miscellaneous	-
Expenses	-
Ending Fund Balance	511,774.32
First Bank of the Lake - Money Mkt.	158,056.51
CD Providence Bank, 10/17 #1268880	201,943.73
CD First Bank of the Lake, 01/18 #101318429	101,598.93
CD St. Elizabeth, 3/18 #485431	50,175.15
Deposit in Transit	-
Outstanding Checks:	-
	511,774.32

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Operating Fund
CHECK REGISTER - JOINT SEWER BOARD OPERATION FUND

	reconciled balance 4/30/17				61,501.48
3590	Ameren MO	X	4,410.67	-	57,090.81
3591	Equipment Replacement Fund	X	3,467.00		53,623.81
3592	Alliance Water Resources, Inc.	X	25,935.82		27,687.99
3593	Alliance Water Resources, Inc.	X	400.00		27,287.99
3594	Alliance Water Resources, Inc.	X	603.55		26,684.44
	Deposit LO	X	-	5,362.98	32,047.42
	Deposit OB	X		40,470.35	72,517.77
	Deposit	X		4,640.00	77,157.77
	Interest	X		6.56	77,164.33
	reconciled balance 5/31/17				77,164.33
3595	Ameren MO	X	9,413.41	-	67,750.92
3596	Equipment Replacement Fund	X	3,467.00		64,283.92
3597	Alliance Water Resources, Inc.	X	25,935.82		38,348.10
3598	Alliance Water Resources, Inc.	X	2,320.00		36,028.10
3599	Alliance Water Resources, Inc.	X	1,374.90		34,653.20
3600	CED Inc.	X	2,450.00	-	32,203.20
3601	White Industrial Seismology	X	1,200.00	-	31,003.20
	Deposit LO	X	-	5,996.29	36,999.49
	Deposit OB	X		39,837.04	76,836.53
	Deposit	X		3,300.00	80,136.53
	Interest	X		6.84	80,143.37
	reconciled balance 6/30/17				80,143.37
3602	Ameren MO	X	9,387.63	-	70,755.74
3603	Equipment Replacement Fund	X	3,467.00		67,288.74
3604	Alliance Water Resources, Inc.	X	25,935.82		41,352.92
3605	Alliance Water Resources, Inc.	X	1,650.00		39,702.92
3606	Alliance Water Resources, Inc.	X	708.54		38,994.38
3607	Gerding, Korte & Chitwood	X	2,200.00	-	36,794.38
	Deposit LO	X	-	6,145.67	42,940.05
	Deposit OB	X		39,687.66	82,627.71
	Deposit	X		4,300.00	86,927.71
	Interest	X		7.75	86,935.46
	reconciled balance 7/31/17				86,935.46
3608	Ameren MO	X	9,309.73	-	77,625.73
3609	Equipment Replacement Fund	X	3,467.00		74,158.73
3610	Alliance Water Resources, Inc.	X	25,935.82		48,222.91
3611	Alliance Water Resources, Inc.	X	580.00		47,642.91
3612	Alliance Water Resources, Inc.	X	479.17		47,163.74
	Deposit LO	X	-	5,271.18	52,434.92
	Deposit OB	X		40,562.15	92,997.07
	Deposit	X		4,140.00	97,137.07
	Interest	X		8.24	97,145.31
	reconciled balance 8/31/17				97,145.31

B-4



Central Bank
of Lake of the Ozarks

MEMBER FDIC

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

RETURN SERVICE REQUESTED

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

Period 08/01/2017 - 08/31/2017 Page 1 of 2

Web Address
www.centralbank.net

M
00001

Your Financial Summary on August 31, 2017

Bank Deposit Accounts:	Bank Deposits	Totals
Checking	\$ 97,145.31	
Bank Deposit Total		\$ 97,145.31
Total Assets:	\$ 97,145.31	\$ 97,145.31

Detailed Explanation of Account Balances and Other Assets

Basic Plus Interest Checking

No. 000007297 Beginning Balance July 31, 2017 \$ 89,135.46

Deposits

Aug. 15 Deposit	5,271.18
Aug. 15 Deposit	40,562.15
Aug. 17 Deposit	800.00
Aug. 23 Deposit	3,540.00
Aug. 31 Interest Earned	8.24

Total +\$ 49,881.57

Checks

Check No.	Date Paid	Amount	Check No.	Date Paid	Amount
3607	Aug. 02	2,200.00	3610	Aug. 18	25,935.82
3608	Aug. 23	9,309.73	3611	Aug. 18	500.00
3609	Aug. 18	3,467.00	3612	Aug. 18	479.17
Total			Total		-\$ 41,971.72

Ending Balance August 31, 2017 \$ 97,145.31

Number of days since last statement/interest cycle 31
Beginning and ending dates for calculation of statement/interest cycle are 08/01/2017 through 08/31/2017
Average collected balance 96,979.00
Interest rate 0.10%
Annual percentage yield earned 0.10%

End of Bank Deposits

JSB - CHECK REGISTERS 2017

CHECK REGISTER - JOINT SEWER BOARD EQUIPMENT REPLACEMENT FUND

	reconciled balance 4/30/17		-	248,485.36
	Interest	X	112.95	248,598.31
	Deposit	X	3,467.00	252,065.31
	reconciled balance 5/31/17		-	252,065.31
1018	VOID			252,065.31
1019	HD Supply Waterworks	X	2,837.77	249,227.54
1020	G&L Welding	X	1,163.75	248,063.79
	Interest	X	103.17	248,166.96
	Deposit	X	3,467.00	251,633.96
	reconciled balance 6/30/17			251,633.96
1021	Alliance Water Resources	X	169.50	251,464.46
	Interest	X	107.22	251,571.68
	Deposit	X	3,467.00	255,038.68
	reconciled balance 7/31/17			255,038.68
	Interest	X	108.83	255,147.51
	Deposit	X	3,467.00	258,614.51
	reconciled balance 8/31/17			258,614.51



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

PAGE: 1
1 08/31/2017
1

00009 2711985 IOZ ATM 608.50 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 MONEY MARKET)

LAST STATEMENT 07/31/17 255,038.68
2 CREDITS 3,575.83
DEBITS .00
THIS STATEMENT 08/31/17 258,614.51

DEPOSITS
REF #.....DATE.....AMOUNT REF #.....DATE.....AMOUNT REF #.....DATE.....AMOUNT
08/17 3,467.00

OTHER CREDITS
DESCRIPTION DATE AMOUNT
INTEREST 08/31 108.83

INTEREST
AVERAGE LEDGER BALANCE: 256,716.26 INTEREST EARNED: 108.83
AVERAGE AVAILABLE BALANCE: 256,268.90 DAYS IN PERIOD: 31
INTEREST PAID THIS PERIOD: 108.83 ANNUAL PERCENTAGE YIELD EARNED: .50%
INTEREST PAID 2017: 824.05

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



**OPERATING
DIVISIONS**

MISSOURI

Atchison County
Bonne Terre
Boonville
Bowling Green
Buchanan County #1
Cameron
Cape Girardeau
Carroll County #1
Clay County
Craig
East Central Missouri
Water & Sewer
Authority
Elsberry
Festus/Crystal City
Franklin County #1
Franklin County #3
Henry County
Water Company
Henry County #3
Kimberling City
Lake Ozark/
Osage Beach
Lincoln County #1
Neosho
Nevada
Parkville
Phelps County #2
Platte County #C-1
Proctor & Gamble
Ralls County #1
Sedalia
St Charles County #2
St Genevieve
Versailles

IOWA

Maquoketa
Tipton

TENNESSEE

South Fulton



REPORT OF OPERATIONS

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

Month of August 2017

Submitted by Alliance Water Resources, Inc. for the

September 2017

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	1.3	1.0	NA	< 20		0.07	< 5.0	< 1.0
Peak Day	1.5	1.2	8.1	< 20		0.20	< 5.0	< 1.0
Percent Removal	99.1	99.5	NA	NA		NA	NA	NA

NPDES EFFLUENT LIMITATIONS

	BOD mg/l	TSS mg/l	pH	E.coli Colonies/100 ml	Coliform	Ammonia as N mg/L	O&G mg/L	Metals Selenium ug/ L
Monthly Average	30	30	6-9	126		1.2	10	4.0
Weekly Average	45	45		630				
Daily Max						6.0	15	8.1

PLANT HYDRAULIC AND ORGANIC LOADING

The average daily influent flow for the month was 2.136 MGD or 71% of Permitted flow with Lake Ozark contributing 13% of the total flow and Osage Beach contributing 87%. Daily influent flow BOD and TSS data is presented in Table A. Daily flow for the month and rainfall are shown in Figure 2. A three-year flow history for each of the two cities is presented in Table B.

Organic loading for the month was 82822 pounds of BOD.

BIOSOLIDS APPLICATION AND INVENTORY

Plant personnel land applied 43 tanker loads of bio-solids during the month equivalent to a total of 144,300 gallons and 37,030 pounds dry weight solids.

444,140 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 512,500 gallons with a level of 4.5 feet in Tank 1 and 5.5 feet in Tank 2.

WASTEHAULERS

The plant received 41 loads of septage during the month totaling 103,500 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 had a flat on the sludge truck on the 3rd of August and when they came to fix it they found that something had poked a large enough hole in the middle of the tread that couldn't be fixed. We went ahead and ordered a replacement and they were back the next day the 4th to install it.

SAFETY

- We conducted our monthly routine Safety Meeting on Lockout/Tagout on the 8th of August.

REGULATORY AGENCY, INSPECTION AND REPORTS

- We filled out the EDMR on MDNR's website on the 7th of August.
- We got inspected by MDNR's, Sieu T. Dang on the 29th of August. He said everything looked good, but you never know what they will put in their report. He said we should see his report within 30 days. He also gave us a copy of the results of when Scott Robinett w/MDNR came and set up a sampler on May 24, 2017 and picked it up the next morning the 25th. (see attachment)

MISCELLANEOUS AND RECOMMENDATIONS

- We would like to Thank Matt and the City of Lake Ozark for sending their service truck with employee to assist us with setting the newly rebuilt RAS pump back into the basement. Many Thanks!

TABLE A
LAKE OZARK/OSAGE BEACH WWTP

MONTH OF August 2017

DATE	RAIN FALL IN.	FLOW					BOD 5 MG/L			TSS MG/L		
		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-Aug	0	0.216	1.689	1.905	11.3	88.7						
2-Aug	0	0.217	1.685	1.902	11.4	88.6						
3-Aug	0	0.219	1.736	1.955	11.2	88.8						
4-Aug	0	0.234	1.762	1.996	11.7	88.3	238	215	190	204	222	266
5-Aug	0	0.253	1.841	2.094	12.1	87.9						
6-Aug	5	0.646	4.059	4.705	13.7	86.3						
7-Aug	0	0.361	2.273	2.634	13.7	86.3						
8-Aug	0	0.246	1.651	1.897	13.0	87.0						
9-Aug	0	0.209	1.580	1.789	11.7	88.3						
10-Aug	0.75	0.225	1.572	1.797	12.5	87.5						
11-Aug	0.75	0.271	1.961	2.232	12.1	87.9	223	175	150	162	168	174
12-Aug	0	0.269	1.915	2.184	12.3	87.7						
13-Aug	0	0.286	1.916	2.202	13.0	87.0						
14-Aug	0	0.273	1.729	2.002	13.6	86.4						
15-Aug	0	0.227	1.706	1.933	11.7	88.3						
16-Aug	0	0.221	1.666	1.887	11.7	88.3						
17-Aug	2.1	0.338	2.635	2.973	11.4	88.6						
18-Aug	0	0.285	1.812	2.097	13.6	86.4	133	100	105	120	136	120
19-Aug	1	0.300	1.924	2.224	13.5	86.5						
20-Aug	0	0.329	2.001	2.330	14.1	85.9						
21-Aug	0.85	0.337	2.031	2.368	14.2	85.8						
22-Aug	1.6	0.281	1.912	2.193	12.8	87.2						
23-Aug	0.1	0.344	2.205	2.549	13.5	86.5						
24-Aug	0	0.246	1.651	1.897	13.0	87.0						
25-Aug	0	0.227	1.624	1.851	12.3	87.7	198	158	155	146	104	174
26-Aug	0	0.256	1.711	1.967	13.0	87.0						
27-Aug	0	0.276	1.779	2.055	13.4	86.6						
28-Aug	0.25	0.269	1.613	1.882	14.3	85.7						
29-Aug	0	0.217	1.412	1.629	13.3	86.7						
30-Aug	0	0.207	1.324	1.531	13.5	86.5						
31-Aug	0	0.184	1.361	1.545	11.9	88.1						
SUM	12.4	8.469	57.736	66.205								
AVG		0.273	1.862	2.136	13	87	198	162	150	158	158	184
NOTE: BOLD PRINT INDICATES WEEKEND DAYS												

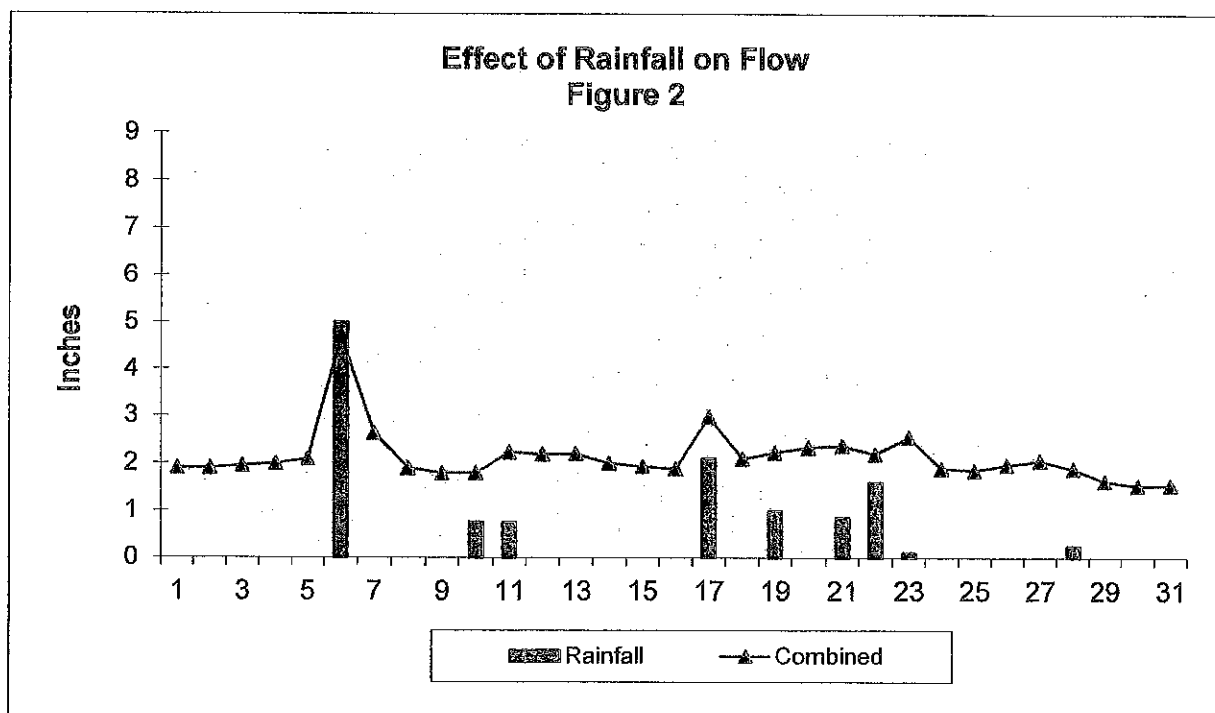
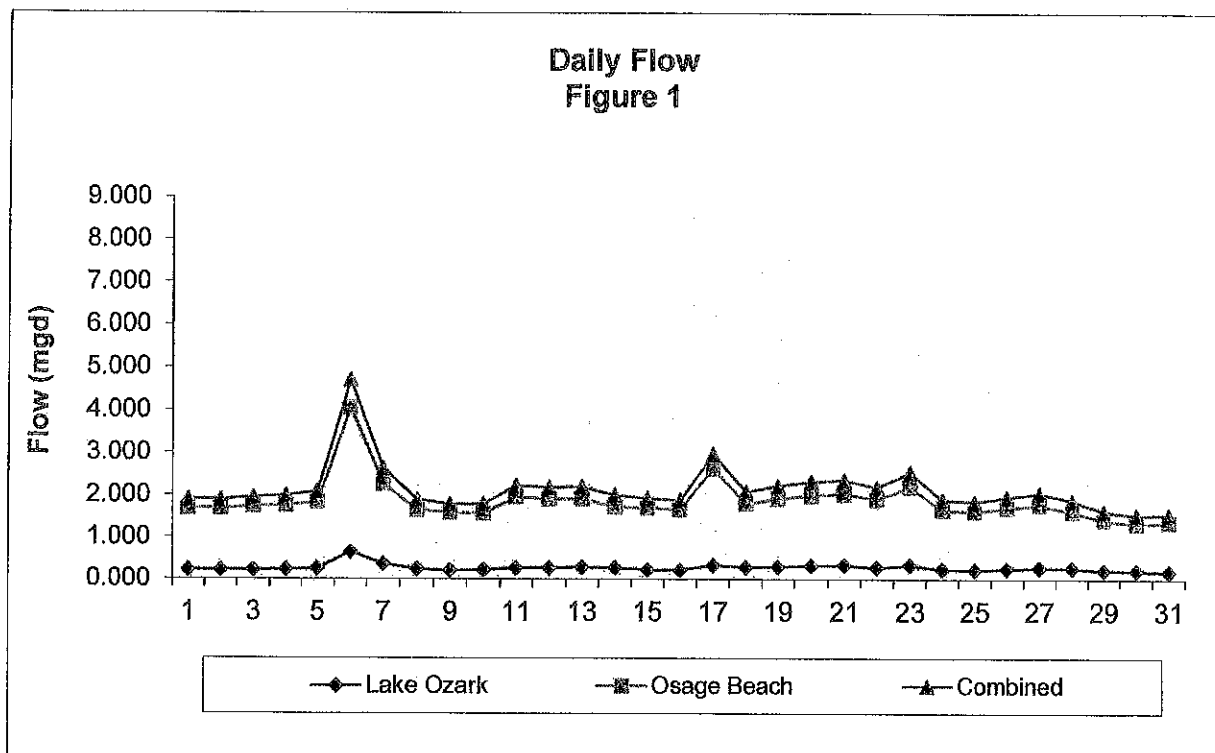
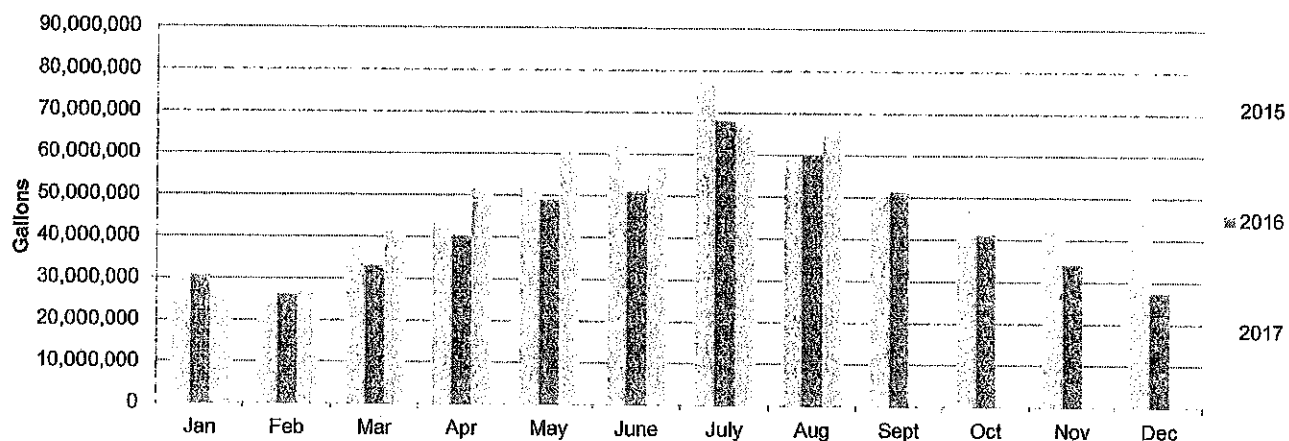


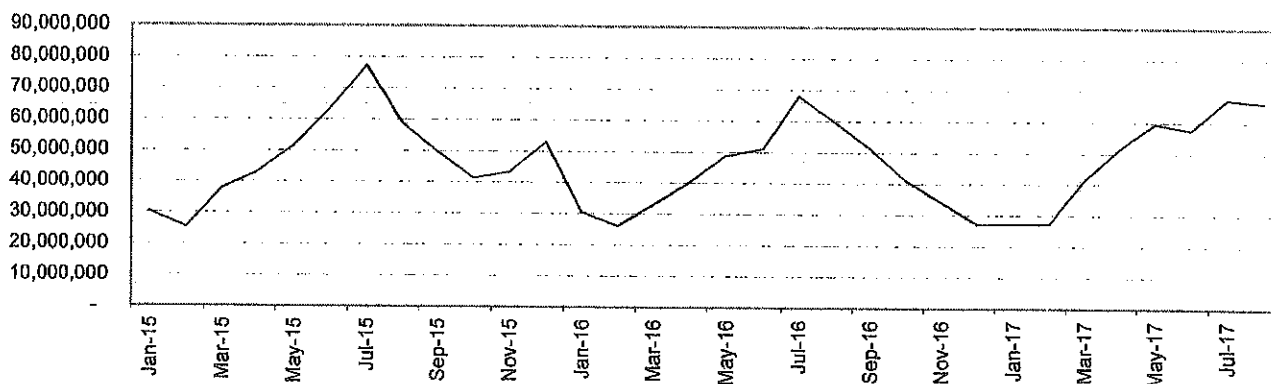
TABLE B
JOINT SEWER BOARD
Monthly Flows

<u>2015</u>	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	0.9	26,319,000	87%	4,085,000	13%	30,404,000	100%
February	1.4	21,892,000	86%	3,465,000	14%	25,357,000	100%
March	4.5	32,996,000	87%	4,920,000	13%	37,916,000	100%
April	4.0	37,220,000	86%	5,945,000	14%	43,165,000	100%
May	7.2	44,456,000	86%	7,209,000	14%	51,665,000	100%
June	7.1	54,745,000	86%	8,769,000	14%	63,514,000	100%
July	9.7	66,474,000	86%	10,871,000	14%	77,345,000	100%
August	3.5	51,695,000	88%	7,327,000	12%	59,022,000	100%
September	3.1	43,144,000	87%	6,531,000	13%	49,675,000	100%
October	1.8	36,230,000	87%	5,216,000	13%	41,446,000	100%
November	10.8	37,047,000	86%	6,247,000	14%	43,294,000	100%
December	11.7	44,392,000	84%	8,603,000	16%	52,995,000	100%
	65.7	496,610,000	87%	79,188,000	13%	575,798,000	100%
<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							
October							
November							
December							
	45.4	347,540,000	87%	50,386,000	13%	397,926,000	100%

Monthly Influent Flow
Figure 3A

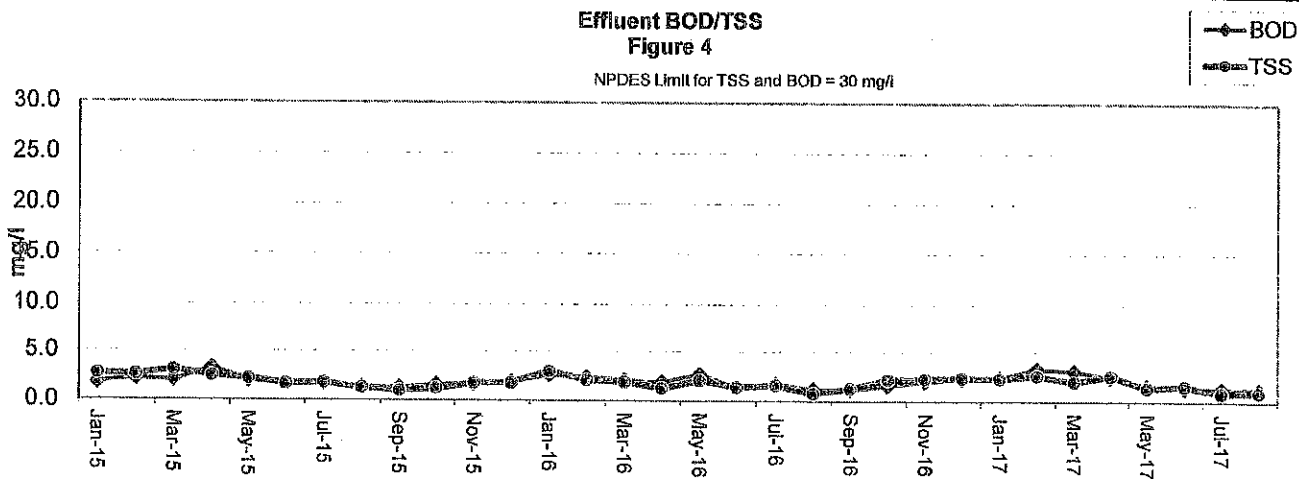


Monthly Influent Flow
Figure 3B



Effluent BOD/TSS
Figure 4

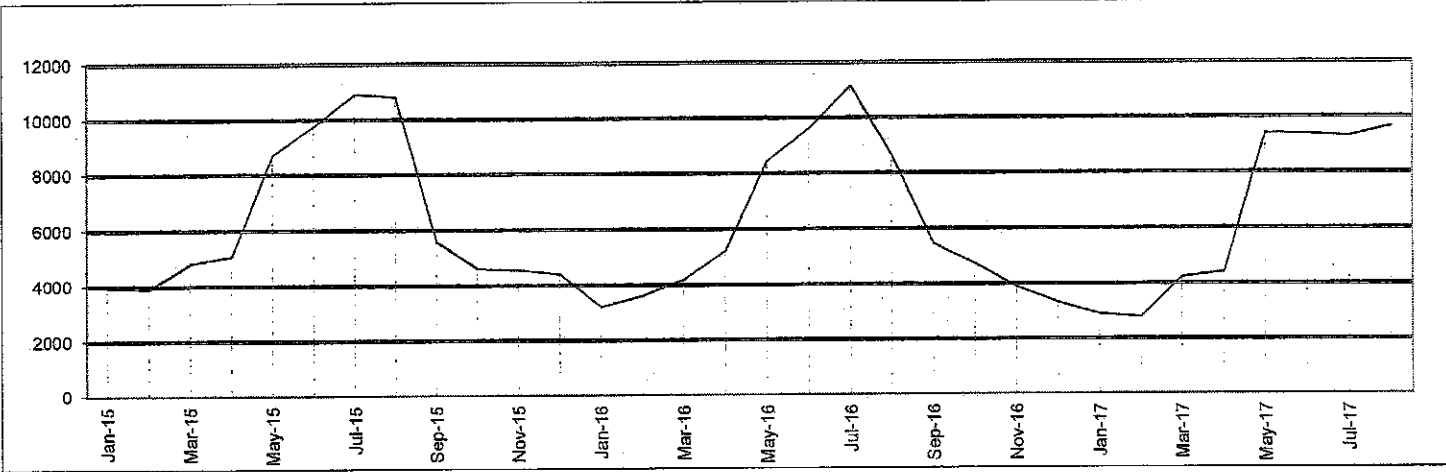
NPDES Limit for TSS and BOD = 30 mg/l



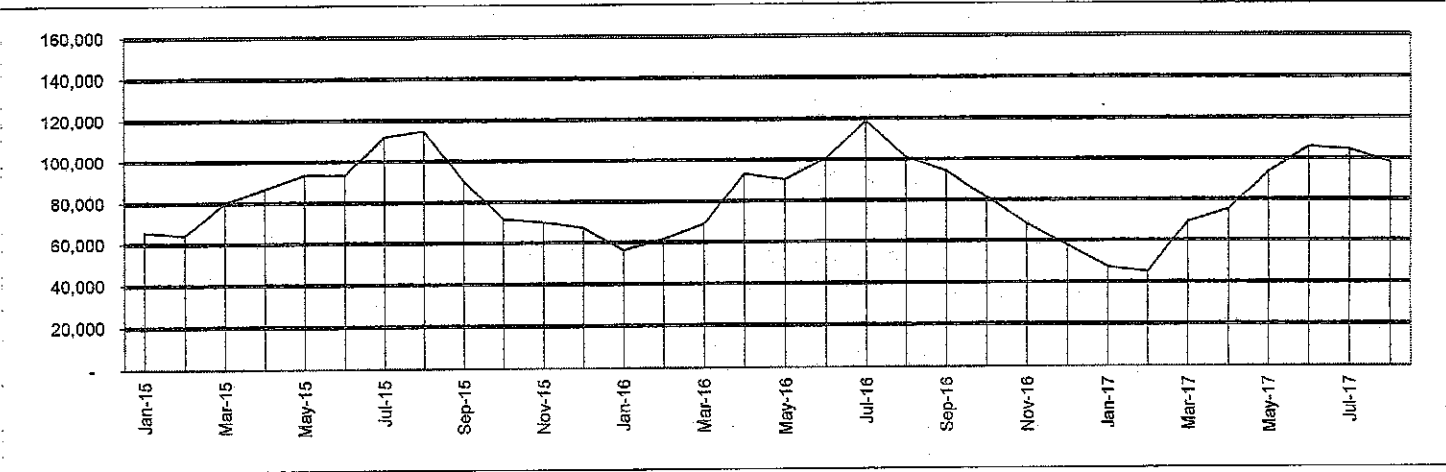
Electric Cost Kilowatts Used

Jan-15	3947	65,860
Feb-15	3901	64,300
Mar-15	4821	80,190
Apr-15	5084	87,050
May-15	8707	93,810
Jun-15	9772	93,490
Jul-15	10912	112,040
Aug-15	10807	114,770
Sep-15	5585	90,520
Oct-15	4620	71,940
Nov-15	4556	70,170
Dec-15	4413	67,300
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

Electric Cost



Kilowatts Used



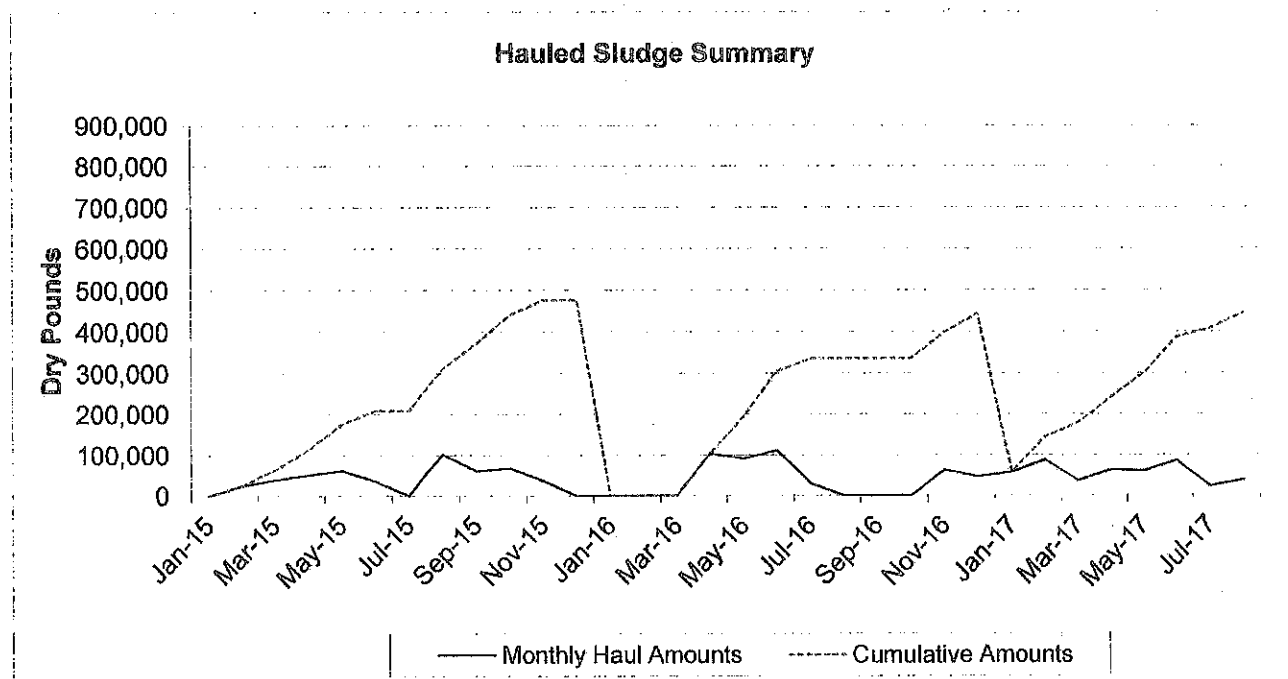
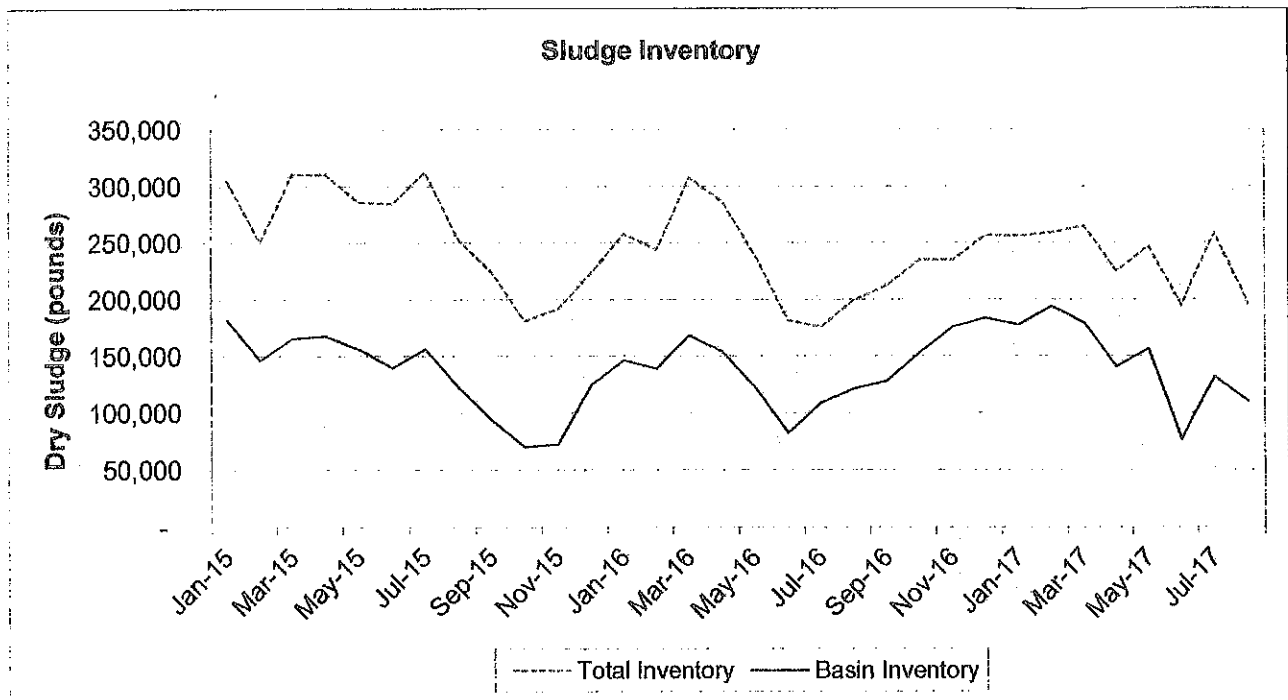
37

	Hauled Sludge				
	Loads	Gallons	# Dry	% Solids	Annual Cumulative # Dry
Jan-15	0	-	0	4.4%	-
Feb-15	20	74,000	24,089	3.9%	24,089
Mar-15	34	125,800	38,603	3.7%	62,672
Apr-15	44	162,800	50,607	3.7%	113,279
May-15	55	203,500	61,284	3.6%	174,563
Jun-15	35	129,500	35,024	3.2%	209,587
Jul-15	0	-	0	3.2%	209,587
Aug-15	107	395,900	102,356	3.1%	311,943
Sep-15	55	203,500	60,420	3.6%	372,363
Oct-15	59	218,300	67,949	3.7%	440,312
Nov-15	30	111,000	35,734	3.9%	476,046
Dec-15	0	-	0	3.9%	476,046
Jan-16	0	-	0	3.9%	-
Feb-16	0	-	0	3.9%	-
Mar-16	0	-	0	3.9%	-
Apr-16	86	318,200	103,652	3.9%	103,652
May-16	77	284,800	91,185	3.8%	194,837
Jun-16	99	366,300	111,706	3.7%	306,543
Jul-16	28	103,600	29,408	3.4%	335,951
Aug-16	0	-	0	3.4%	335,951
Sep-16	0	-	0	3.4%	335,951
Oct-16	0	-	0	3.4%	335,951
Nov-16	52	192,400	62,457	3.9%	398,408
Dec-16	36	133,200	45,237	4.1%	443,645
Jan-17	47	173,000	56,749	3.9%	56,749
Feb-17	68	251,800	86,649	4.1%	143,397
Mar-17	33	122,100	34,808	3.4%	178,205
Apr-17	59	218,300	61,994	3.4%	240,199
May-17	51	188,700	59,556	3.6%	299,755
Jun-17	75	277,500	85,724	3.7%	385,479
Jul-17	20	74,000	21,631	3.5%	407,110
Aug-17	39	144,300	37,080	3.1%	444,140

Basin Depths					
Tank #1	Tank #2	AB #1	Basin Gallons	# Dry	
5.5	5.5	0.0	495,000	181,645	
6.0	4.0	0.0	450,000	148,366	
5.5	6.5	0.0	540,000	165,704	
6.0	6.0	0.0	540,000	167,861	
5.5	6.0	0.0	517,500	156,845	
8.0	3.5	0.0	517,500	138,981	
6.5	6.5	0.0	585,000	158,125	
6.5	4.0	0.0	472,500	122,160	
5.5	1.5	0.0	315,000	93,625	
4.0	1.0	0.0	225,000	70,034	
3.0	2.0	0.0	225,000	72,434	
4.5	4.0	0.0	382,500	124,412	
5.0	5.0	0.0	450,000	148,367	
6.0	3.5	0.0	427,500	139,049	
6.0	5.5	0.0	517,500	168,322	
5.5	5.0	0.0	472,500	163,914	
5.5	3.0	0.0	382,500	122,423	
6.0	0.0	0.0	270,000	82,339	
4.5	4.0	0.0	382,500	108,577	
6.0	3.5	0.0	427,500	121,222	
5.0	5.0	0.0	450,000	127,602	
6.5	5.5	0.0	540,000	153,122	
6.5	5.5	0.0	540,000	175,295	
7.5	4.5	0.0	540,000	163,393	
6.0	6.0	0.0	540,000	177,132	
5.5	7.0	0.0	562,500	193,720	
7.5	6.5	0.0	630,000	179,599	
6.5	4.5	0.0	495,000	140,573	
7.0	4.0	0.0	495,000	156,228	
2.5	3.0	0.0	247,500	76,457	
4.5	5.5	0.0	450,000	131,540	
5.0	4.5	0.0	427,500	109,704	

Blanket Depths			MLSS Inventory		Blanket and MLSS Inventory		MLSS	Total Dry
Clar #1	Clar #2	Clar #3	MLSS AB #1	MLSS AB #2	Gallons	# Dry	% Solids	Sludge Inventory
2.0	2.0	0.0	3,900	4,160	3,671,048	123,385	0.00403	305,030
1.0	1.0	0.0	3,580	3,290	3,635,524	104,150	0.00344	250,516
1.0	2.0	2.0	5,040	4,250	3,740,142	144,890	0.00465	310,595
2.5	2.0	1.0	5,180	4,000	3,723,357	142,532	0.00459	310,393
1.5	2.0	4.0	4,030	4,110	3,835,879	130,204	0.00407	286,049
2.0	1.0	3.0	4,630	4,550	3,783,570	144,837	0.00459	284,798
1.0	2.0	1.0	5,470	4,660	3,696,714	156,157	0.00507	312,282
0.5	1.0	0.5	4,170	4,400	3,648,357	130,533	0.00429	252,693
1.0	1.0	1.0	4,480	3,570	3,678,952	130,400	0.00425	223,925
1.0	1.0	1.0	3,310	3,920	3,678,952	110,917	0.00362	180,952
1.0	3.0	1.0	3,440	4,430	3,714,476	118,803	0.00384	191,237
2.0	0.5	1.5	4,480	1,940	3,709,547	99,000	0.0032	223,412
0.5	0.5	0.0	3,780	3,610	3,617,762	111,184	0.00369	257,551
1.0	1.0	0.0	3,210	3,730	3,635,524	105,211	0.00347	244,260
2.0	2.0	1.0	4,670	4,320	3,714,476	139,249	0.0045	307,571
2.5	2.5	1.0	5,540	3,180	3,732,238	132,600	0.00426	286,515
1.0	5.0	1.0	3,770	3,670	3,750,000	116,343	0.00372	238,766
1.5	1.0	1.5	2,570	3,840	3,709,547	99,155	0.00321	181,494
1.0	1.0	1.0	1,740	2,630	3,678,952	67,041	0.00219	175,618
1.0	1.0	1.0	2,880	2,220	3,678,952	78,240	0.00255	199,462
1.0	1.0	1.0	2,800	2,690	3,678,952	84,223	0.00275	211,825
1.0	1.0	1.0	1,740	3,600	3,678,952	81,922	0.00267	235,045
1.0	0.0	1.5	-	3,770	1,862,904	59,202	0.00377	234,497
1.0	0.0	1.0	-	4,700	1,861,190	72,955	0.0047	256,348
1.0	0.0	1.0	-	5,080	1,861,190	78,853	0.00508	255,968
1.5	0.0	2.0	-	4,090	1,913,499	65,271	0.00409	258,991
3.0	0.0	1.0	-	5,400	1,896,714	85,420	0.0054	265,019
8.0	10.0	1.5	-	4,630	2,184,658	84,367	0.00463	224,939
1.0	1.5	0.5	3,420	2,480	3,666,119	90,198	0.00295	246,426
3.0	2.5	1.5	4,530	3,000	3,762,833	118,153	0.00377	194,610
1.0	1.0	0.5	4,670	3,650	3,657,238	126,886	0.00416	256,426
1.0	0.5	1.0	2,910	2,740	3,670,071	86,469	0.00283	196,173

Accepted Septage	
Loads	Gallons
22	55,000
21	52,500
11	27,500
23	57,500
26	65,000
37	92,500
42	104,000
44	110,000
32	80,000
22	55,000
19	47,500
21	52,500
22	55,000
6	15,000
44	110,000
6	15,000
40	100,000
30	75,000
46	111,000
43	96,000
42	94,500
35	75,500
11	20,000
26	54,500
15	37,500
5	12,500
41	102,500
8	20,000
45	116,000
33	82,500
43	107,500
41	103,500





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

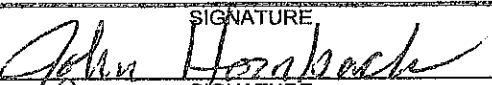
NAME OF FACILITY						LOCATION ADDRESS & CITY							COUNTY/REGION	
Lake of the Ozarks Regional WWTP #1						#3 Anderson Road							Miller/SWRO	
MONTH/YEAR		PERMIT NUMBER				OUTFALL NUMBER		TYPE TREATMENT FACILITY						
Aug-17		MO-0103241				#001		Oxidation Ditch/UV/Sludge Holding-sludge is land applied						
INFLUENT					EFFLUENT								% Removal	
DATE	pH UNITS	BOD mg/L	TSS mg/L	TEMP °C	FLOW MGD	pH UNITS	BOD mg/L	TSS mg/L	Ammonia as N mg/l	DO mg/L	E. coli COLFRM #/100 ML	TEMP °C	BOD mg/L	TSS mg/L
1	7.5			24.5	2.058	8.0				6.8		25.0		
2	7.5			25.4	1.764	8.1				5.4		25.5		
3	7.4			25.0	1.883	8.1			0.03	6.2		25.3		
4	7.6	190	266	24.4	1.938	8.0	1.5	1.2		6.2		24.4	99.2	99.5
5	7.5			24.6	2.031	8.0				6.0		24.7		
6	7.5			24.2	5.242	8.1				6.5		24.1		
7	7.5			23.7	2.748	8.0				5.9		23.9		
8	7.5			23.0	1.931	7.9				5.2	< 20	23.6		
9	7.5			23.6	1.725	8.0				5.7		23.2		
10	7.6			23.4	1.812	8.0			0.02	5.8		23.6		
11	7.6	150	174	23.9	2.773	8.0	1.2	0.8		6.0		24.0	99.2	99.5
12	7.5			23.6	2.119	8.0				5.4		24.2		
13	7.5			23.1	2.188	8.0				5.9		23.4		
14	7.5			23.5	1.994	8.0				5.3	< 20	23.4		
15	7.5			23.4	1.907	8.0				5.6		23.9		
16	7.5			23.7	1.792	8.1				5.5		24.0		
17	7.3			23.6	3.152	8.0			0.20	5.3		23.9		
18	7.5	105	120	23.7	2.139	8.0	1.4	1.0		5.7		24.1	98.7	99.2
19	7.4			23.5	2.207	7.9				5.7		23.8		
20	7.5			23.3	2.339	8.0				6.1		24.9		
21	7.4			23.8	2.385	8.0				5.4	< 20	24.4		
22	7.5			23.4	2.182	7.9				4.3		24.3		
23	7.5			22.8	2.615	8.0				4.9		23.4		
24	7.6			23.9	1.896	8.0			0.06	5.1		24.2		
25	7.4	155	174	23.2	1.885	8.0	1.0	1.1		5.4		23.0	99.4	99.4
26	7.5			23.1	1.889	7.9				5.6		23.3		
27	7.4			23.2	2.044	7.9				4.9		23.0		
28	7.4			22.9	1.897	8.0				5.6	< 20	22.7		
29	7.2			23.3	1.642	7.9				5.7		22.9		
30	7.4			23.3	1.477	7.9				5.4		23.3		
31	7.4			23.2	1.544	7.9			0.02	5.4		23.3		
Total					67.198									
Avg		150	184	24	2.168		1.3	1.0	0.07	5.6	< 20	23.9	99.1	99.4
Min	7.2	105	120	23	1.477	7.9	1.0	0.8	0.02	4.3	< 20	22.7	98.7	99.2
Max	7.6	190	266	25	5.242	8.1	1.5	1.2	0.20	6.8	< 20	25.5	99.4	99.5

MONTHLY MONITORING					QUARTERLY MONITORING					
DATE	Oil & Grease mg/L	Selenium µg/L	SM1 Hardness mg/L	SM2 Hardness mg/L	Phosphorus mg/L	SM1 Phosphorus mg/L	T. Nitrogen mg/L	SM1 T. Nitrogen mg/L	TR. Cadmium ug/L	TR. Copper µg/L
1										
2	< 5.0	< 1.0	338	344						
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
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25										
26										
27										
28										
29										
30										
31										
Total	< 5.0	< 1.0	338	344						
Avg	< 5.0	< 1.0	338	344						
Min	< 5.0	< 1.0	338	344						
Max	< 5.0	< 1.0	338	344						

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	*RAIN Inches	Time
		* DO mg/l	** MLSS mg/l	*Settleability		* DO mg/l	** MLSS mg/l	*Settleability		* Ambient Temp ° F		
				*30 min ml	Temp ° C			*30 min ml	Temp ° C			
1		2.2	4,130	490	24.9	2.2	3,600	420	24.7	70	0	7:30
2	5,554	1.7	3,460	440	25.7	1.7	3,630	430	25.4	70	0	7:30
3	4,783	2.4	4,190	500	25.1	1.9	3,710	400	25.1	68	0	7:30
4	3,950	2.8	3,930	500	23.9	2.4	3,690	420	23.8	66	0	7:30
5		2.5	3,850	490	24.2	2.0	3,740	400	24.2	61	0	7:30
6		2.7	3,960	430	24.7	2.8	3,250	390	24.7	65	5	7:30
7		2.1	4,550	550	23.6	2.4	4,720	460	23.6	68	0	7:30
8		2.1	4,840	560	23.1	1.7	4,600	500	23.1	65	0	7:30
9	7,128	2.0	4,510	570	23.2	2.1	3,730	480	23.3	64	0	7:30
10		2.4	4,600	470	23.2	2.1	4,230	490	23.2	69	0.75	7:30
11		1.8	5,020	510	23.9	2.2	3,830	360	23.9	71	0.75	7:30
12		1.8	5,190	580	23.9	2.3	3,200	440	23.8	67	0	7:30
13		2.9	3,580	400	22.9	2.1	4,520	500	23.0	62	0	7:30
14		1.6	4,340	470	23.3	1.9	4,260	450	23.4	70	0	7:30
15		1.6	4,970	570	23.6	1.6	3,770	400	23.7	68	0	7:30
16		1.7	4,700	540	24.2	2.1	3,500	350	24.2	73	0	7:30
17		1.4	4,140	440	24.0	1.6	3,880	430	24.1	69	2.1	7:30
18		3.3	3,800	380	23.7	2.4	3,200	380	23.8	66	0	7:30
19		2.7	3,240	440	23.9	2.0	4,000	400	23.5	68	1	7:30
20		2.9	2,790	350	24.0	2.9	3,400	310	24.1	71	0	7:30
21		2.1	4,380	430	24.7	2.3	4,100	410	24.6	78	0.85	7:30
22		1.3	3,930	400	24.3	1.2	3,570	340	24.3	71	1.6	7:30
23		2.1	4,400	450	23.3	2.0	3,440	320	23.3	61	0.1	7:30
24		1.8	4,340	450	23.5	1.8	3,610	360	23.3	61	0	7:30
25		1.7	3,930	380	22.9	2.1	3,960	390	23.0	62	0	7:30
26		2.5	3,140	360	22.7	2.2	3,760	320	23.0	64	0	7:30
27		1.9	4,140	360	22.6	1.6	3,540	330	22.7	62	0	7:30
28		2.2	4,030	350	22.9	1.7	3,800	350	23.0	65	0.25	7:30
29	3,580	1.9	3,940	350	22.9	2.2	4,190	330	22.9	63	0	7:30
30	5,554	2.0	3,800	340	23.0	2.3	3,770	330	22.9	63	0	7:30
31	6,480	2.0	2,910	300	22.8	2.3	2,700	320	22.9	62	0	7:30

COMMENTS:

TESTS PERFORMED BY (PRINT)	SIGNATURE	PHONE #	DATE
John Hornback		(573)365-0455	9/7/2017
REPORT APPROVED BY (PRINT)	SIGNATURE	PHONE #	DATE
Gary Hutchcraft		(573)365-0455	9/7/2017

*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
2017	08	01	2017
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	*****	*****	*****	1.5	1.3	Weekly	24 Hour Composite
Stage Type: End of Pipe	REQRMNT	*****	*****	*****	Weekly Average: 45	Monthly Average: 30	Weekly	24 Hour Composite
BOD, 5-day, percent removal (81010)	REPORTD	*****	*****	*****	*****	99.1	Monthly	Calculated
Stage Type: End of Pipe	REQRMNT	*****	*****	*****	*****	Monthly Average Minimum: 85	Monthly	Calculated
Escheria coliiform (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	5.242	2.168	*****	*****	*****	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	*****	*****	0.20	*****	0.07	Weekly	Grab
Stage Type: End of Pipe	REQRMNT	*****	*****	Daily Maximum: 6.0	*****	Monthly Average: 1.2	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	*****	*****	7.9	*****	8.1	Weekly	Grab
Stage Type: End of Pipe	REQRMNT	*****	*****	Minimum: 6.5	*****	Maximum: 9.0	Weekly	Grab

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

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

OPERATOR IN RESPONSIBLE CHARGE

Gary Hutchcraft		7305	
TYPED OR PRINTED NAME		CERTIFICATE NUMBER	
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	
Gary F Hutchcraft	Gary F Hutchcraft	573-365-0455	
TYPED OR PRINTED NAME	SIGNATURE	Date	
		2017-09-07 09:28:16	

Page 1

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

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

PERMITTEE NAME/ADDRESS

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

MO0103241		001 A	
PERMIT NUMBER		DISCHARGE NUMBER	
MONITORING PERIOD			
YEAR	MO	DAY	YEAR
2017	08	01	2017
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: 4.0	Monthly	Grab
Suspended Solids, percent removal (81011)	REPORTD	*****	*****	*****	*****	99.4	Monthly	Calculated
Stage Type: End of Pipe	REQRMNT	*****	*****	*****	*****	Monthly Average Minimum: 85	Monthly	Calculated
Total Suspended Solids (TSS) (00530)	REPORTD	*****	*****	*****	1.2	1.0	Weekly	24 Hour Composite
Stage Type: End of Pipe	REQRMNT	*****	*****	*****	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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Gary Hutchcraft		7305	
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PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	
Gary F Hutchcraft	Gary F Hutchcraft	573-365-0455	
TYPED OR PRINTED NAME	SIGNATURE	Date	
		2017-09-07 09:28:16	

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

MO0103241	SM2 A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

YEAR	MO	DAY	YEAR	MO	DAY
2017	08	01	2017	08	31

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

Parameter	FROM	MASS	Unit	CONCENTRATION	Unit	FREQUENCY OF ANALYSIS	SAMPLE TYPE	LAB CODE
Hardness, total (as CaCO ₃) (00900)	REPORTED	*****		344	*****	Monthly	Grab	
	REQUIREMENT	*****		Daily Maximum : Monitoring Required	*****	Monthly	Grab	
Stage Type: Instream Monitoring		*****		Monthly Average : Monitoring Required	*****	Monthly	Grab	

GENERAL PERMIT REQUIREMENTS OR COMMENTS:

OUTFALL-SPECIFIC COMMENTS:

PARAMETER-SPECIFIC COMMENTS:

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OPERATOR IN RESPONSIBLE CHARGE

Gary Hutchcraft	7305
TYPED OR PRINTED NAME	CERTIFICATE NUMBER
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE 573-365-0455
Gary F Hutchcraft	2017-09-07 09:28:16
TYPED OR PRINTED NAME	DATE
Gary F Hutchcraft	
SIGNATURE	

Page 3

LAKE OKARKOSAGE BEACH WWTP
Operation Report

for AUGUST 2017
1 of 1

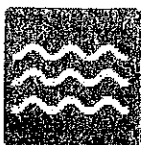
DATE	TIME	PLANT EFFLUENT										ENVIRONMENTAL CONDITIONS				CALCULATION OF FLOW & SOLIDS				CALCULATION OF FLOW & SOLIDS				PLANT EFFLUENT QUALITY (UPSTREAM & DOWNSTREAM)										RETURN FLOW		WASTE FLOW TO STORAGE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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FLOW	STORMWATER FLOW	STORMWATER FLOW	STORMWATER FLOW	STORMWATER FLOW	STORMWATER FLOW	STORMWATER FLOW	STORMWATER FLOW	STORMWATER FLOW

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

Prepared by: GEL, JH, BP

Approved by: GH

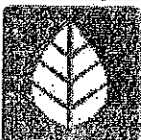
Date: 9/6/2017



Missouri Department of Natural Resources

Environmental Services Program

PO Box 176 Jefferson City MO 65102-0176



RESULTS OF SAMPLE ANALYSES

LDPR/Job Code:

FECMP

Program, Contact:

WPC Chelsey Bodenstab

Order ID:

170526008

Chelsey Bodenstab

Water Pollution Control Branch



Report Date:

7/17/2017

Sample: AC98243		Facility ID: MO0103241		Customer #: 172430	
		Site: Lake of the Ozarks Regional WWTP #1		County: Miller	
Collect Date: 5/25/2017 2:40:00 PM		Collector: SCOTT ROBINETT		Affiliation: ESP	
Comments: Outfall 001 grab sample.					
Test	Parameter/Method	Result	Units	Qualifier(s)	
200.8 Metals-Total Recoverable	Selenium/EPA 200.8	<0.625	µg/L	ND	
Ammonia as N	Ammonia as N/L 10-107-06-1-J	0.39	mg/L		
E. coli - IDEXX	E. coli - IDEXX/SM 9223B	<1	mpn/100ml	ND	
Field pH	Field pH/EPA 150.1	7.8	pH Units		
Field Temperature	Field Temperature/EPA 170.1	22.1 C			
Flow	Flow/Field Dependent	0.918 mgd			
Oil And Grease	Oil And Grease/1664B	<2	mg/L	ND	
Sample: AC98244		Facility ID: MO0103241		Customer #: 172431	
		Site: Lake of the Ozarks Regional WWTP #1		County: Miller	
Collect Date: 5/25/2017 2:30:00 PM		Collector: SCOTT ROBINETT		Affiliation: ESP	
Comments: Outfall 001, 24-hour composite sample.					
Test	Parameter/Method	Result	Units	Qualifier(s)	
Biochemical Oxygen Demand	Biochemical Oxygen Demand/SM 5210-B	<2	mg/L	06, ND	
Total Suspended Solids (TSS) / NFR	Total Suspended Solids (TSS) / NFR/SM 2540-D	<5	mg/L	ND	

The analysis of this sample was performed in accordance with procedures approved or recognized by the U. S. Environmental Protection Agency.

Kevin Thoenen

Data Qualifier(s)

06	Estimated value, QC data outside limits	ND	Not detected at reported value
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Kevin Thoenen,
Laboratory Manager
Environmental Services Program
Division of Environmental Quality

CAPITAL IMPROVEMENT ITEM DESCRIPTIONS

For Consideration
BUDGET YEAR 2018

TIER 1

			Notes
1. Annual fee for Mission autodialer (software fee)	(estimated)	\$500	Annual Fee
2. Regular Plant & Vehicle Maintenance	\$8,000 & \$3,000 (estimated)	\$11,000	Annual Maint.
3. UV Bulbs, Quartz Sleeves and Spare Parts	(estimated)	\$8,000	Annual Maint.
4. Sandblast and paint Clarifier #3	(estimated)	\$95,000	New
5. Replacement ducking skimmer arm actuator for Clarifier #1	(estimated)	\$9,000	New
6. Replacement LED parking lot/area lighting	(estimated)	\$9,000	New
7. Replacement impellers for RAS pumps, a couple per year	(estimated)	\$7,500	New - Carryover
8. Replacement doors for electrical panel in RAS building	(estimated)	\$2,000	New - Carryover If not purchased in 2017
9. Rebuild Ducking Skimmer Arm & Arm Supports on Clarifier #2	(estimated)	\$5,000	New - Carryover
10. Expanded Effluent Testing for Permit Renewal for next renewal	(estimated)	\$1,500	New
11. Replace wooden doors w/ fiberglass doors, a couple per year	(estimated)	\$2,000	New - Carryover
12. Rock for the Road	(estimated)	\$2,000	Annual Maint.
13. Painting of RAS room/pipe gallery & valve pits at lift stations	(estimated)	\$7,000	New - Carryover if not complete in 2017
Estimated Tier 1 Total		\$159,500	

TIER 2

1. 350 kw Back-up diesel generator & 1000 amp transfer switch	New (estimated)	\$200,000	New - Carryover
Installed	Used (estimated)	\$100,000	
2. Take #2 Aeration Basin down, removal of grit by Contractor and repair valves and required lab testing on grit.	(estimated)	\$100,000	New
		\$190,000 to \$300,000	

Estimated Tier 2 Total

Informational TIER 3

1. New 4 wheel drive pickup w/ snow plow	(estimated)	\$35,000	New - Carryover
2. Option 1 - New replacement highway style sludge truck w/ 3500 gallon tank	(estimated)	\$165,000	New - Carryover
Option 2 - New 6 wheel drive sludge truck w/ flotation type tires w/ 3000 gallon tank	(estimated)	\$180,000	New - Carryover
Estimated Tier 3 Total		\$200,000 to \$215,000	

FINANCIAL RECORDS DISPOSAL LIST 2017

SCHEDULE NUMBER		MINIMUM RETENTION
<u>Financial Records</u>		
GS 004	Budget Preparation (pre 2016, 2016)	COMPLETION OF AUDIT
MS 0008.2	Budget Adjustments (pre 2011, 2011)	5 YEARS
GS 006	Subsidiary Ledgers (pre 2016, 2016)	COMPLETION OF AUDIT
GS 007	Accounts Payable (pre 2012, 2012)	4 YEARS
GS 008	Accounts Receivable (pre 2012, 2012)	4 YEARS
GS 010	Banking & Investment (pre 2012, 2012)	4 YEARS
GS 011	Receipts (pre 2016, 2016)	COMPLETION OF AUDIT
GS 073	Monthly Financial Statements (pre 2011, 2011)	5 YEARS
GS 066	Insurance Policies (pre 2009, 2009)	6 YEARS AFTER EXPIRE.
GS 057	Insurance Claims (pre 2006, 2006)	10 YEARS AFTER CLOSED
GS 057	Insurance Claim Dismissed/Canceled (pre 2013, 2013)	3 YEARS AFTER DISMISSED

Local Records Retention Schedules

Missouri Revised Statutes Chapter 109 (Public and Business Records) Section 255 authorizes the Local Records Board to establish minimum retention periods for the administrative, fiscal and legal records created by local governments.

Retention and disposition of records that are common to many offices are included in the General Schedule. Records unique to particular offices are addressed in individual office schedules.