

**OSAGE BEACH/LAKE OZARK
JOINT SEWER BOARD MEETING
AGENDA
SEPTEMBER 23, 2014
4:00 p.m.
OSAGE BEACH CITY HALL**

1. CALL TO ORDER

2. ROLL CALL

Mayor, Osage Beach, Penny Lyons
Mayor, Lake Ozark, Johnnie Franzekos
City Administrator, Osage Beach, Nancy Viselli
City Administrator, Lake Ozark, Dave Van Dee
Alderman, Lake Ozark, Gerry Murawski
Alderman, Osage Beach, Phyllis Marose
Public Works Director, Osage Beach, Nick Edelman
Public Works Director, Lake Ozark, Matt Michalik
Gary Hamner

3. MINUTES

Regular Meeting; August 19, 2014

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4. REPORTS

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Check Registers & Bank Statements	25-29
August 2014 Alliance and Flow Reports	31-49

5. ADJOURN INTO CLOSED SESSION

A. Legal, 610.021(1) RSMo. (4:10 pm)

6. RECONVENE INTO OPEN SESSION

7. OLD BUSINESS

A. None at this time.

8 NEW BUSINESS

A. 2015 Budget discussion

9. DISCUSSION

10. ADJOURNMENT

THE NEXT MEETING WILL BE OCTOBER 21, 2014, 4:00 PM @ LAKE OZARK CITY HALL

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**LAKE OZARK - OSAGE BEACH
JOINT SEWER BOARD
Meeting Minutes – August 19, 2014**

Call to Order:

Mayor Penny Lyons called the meeting to order at 4:00 p.m. at Lake Ozark City Hall.

Roll Call:

Present: Mayor Penny Lyons
Mayor John Franzeskos
City Administrator, Nancy Viselli
City Administrator, Dave Van Dee
Osage Beach Alderman, Phyllis Marose
Lake Ozark Alderman, Gerry Murawski
Lake Ozark Public Works Director, Matt Michalik
Gary Hamner

Absent: Osage Beach Public Works Director, Nick Edelman

Others Present: Gary Johnson, Alliance Div. Manager
Gary Hutchcraft, Plant Manager
Eric Hibdon, Osage Beach PW Supervisor
Mike Welty, Osage Beach Staff Accountant
Ed Rucker, Osage Beach City Attorney

Minutes of Past Meeting:

Mayor Lyons requested a motion to approve the July 15, 2014 meeting minutes. Mayor Franzeskos motioned to approve the minutes; second by Alderman Murawski. All voted in favor.

Public Comment: None at this time.

Bills List: Mayor Lyons requested a motion to approve the Bills List. Mayor Franzeskos motioned to approve payment of the bills. Second by City Administrator Van Dee. All voted in favor.

Reports:

REVENUE BUDGET ANALYSIS
EXPENDITURE BUDGET ANALYSIS
INCOME & EXPENSE SUMMARY
CASH FLOW ANALYSIS
BALANCE SHEET
CHECK REGISTERS & BANK STATEMENTS

Alliance Report & Flow Charts:

Mr. Hutchcraft reviewed the July 2014 Alliance Report and Flow Chart summary report of operations, a copy of which is included in the meeting packet.

Mayor Lyons requested a motion to approve the July 2014 Flow Charts. Mayor Franzekos motioned approval. Second by Mr. Hamner with unanimous approval.

Old Business:

Magruder Litigation Update: Attorney Rucker advised that briefings have been received from the Attorney General's office and also Magruder. A response is being prepared. He also advised the budget should be closely monitored as the line item is at approximately 97% for the year. Mr. Rucker recommended that the Joint Sewer Board have a closed session at the next regular meeting to conduct a conference call with its counsel. All agreed, and the next meeting will be held at Osage Beach City Hall.

Discussion regarding backup generator: After much discussion, it was agreed that plans and specifications need to be obtained prior to a request for proposals being prepared. The expense for obtaining plans and specs will likely run approximately \$30,000 - \$40,000. Administrator Van Dee proposed that the issue be considered as part of the budgeting process for next year. All agreed.

New Business:

Clarifier paint project: Mr. Hutchcraft advised that a request for bids was placed in the Lake Sun Leader for the sandblasting and painting of clarifier # 1. Five invitations to bid were also sent out. Only one bid was received from Hogan's Painting & Sandblasting in the amount of \$31,108. A note was included with the bid stating that if all the paint just "falls off" there will be some additional sandblasting expense which will total \$12,750. It was noted that extra sandblasting was required the last time the clarifier was done. The total combined amounts total \$43,608, which is still under budget. After discussion, a motion was made by Director Michalik to accept the bid received. Second by Administrator Viselli with unanimous approval.

Mr. Hutchcraft also inquired on whether or not the Board wished to bid the oxidation ditch project this year, or wait until next year. This would/should be done in conjunction with a system wide flush planned in Osage Beach in early 2015. After discussion, it was agreed to wait to bid the project until next year.

Other Discussion: None at this time.

Adjournment:

With nothing further to discuss, Mayor Lyons adjourned the meeting at 4:45 pm. The next scheduled meeting is Tuesday, September 23, 2014, 4:00 pm. at Lake Ozark City Hall.

Penny Lyons
Osage Beach Mayor

Kathy Vance
Temporary Lake Ozark Joint Sewer Clerk

JOINT SEWER BOARD
BILL LIST
September 23, 2014

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:	\$	9,482.66
OPERATING FUND BILLS TO BE PAID:	\$	29,983.77
EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:	\$	-
EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:	\$	-
TOTAL	\$	39,466.43

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:

Account	Check	Paid To:	Description:	Amount:
4185	3397	Ameren Missouri	August 2014 Electric	\$ 9,482.66
				\$ -
			TOTAL	\$ 9,482.66

OPERATING FUND BILLS TO BE PAID:

Account	Check	Paid To:	Description:	Amount:
4000	3398	Equipment Replacement Fund	Payment into ER Fund	\$ 3,467.17
4170	3399	Alliance Water Resources, Inc.	Sept 2014 Management Fee	\$ 24,037.09
4020	3400	Alliance Water Resources, Inc.	Maintenance & Repair	\$ 166.28
4150	3400	Alliance Water Resources, Inc.	Vehicle Maintenance & Repair	\$ 146.84
4150	3401	Purcell Tire	Sludge Truck Repair	\$ 1,041.71
4220	3402	Zerger & Mauer	Magruder Lawsuit	\$ 717.48
4020	3403	Mission Com	Auto Dialer Annual Software Fee	\$ 407.40

\$ 29,983.77

EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:

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

EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:

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

CHK# 337744466



Please Return This Portion With Your Payment.

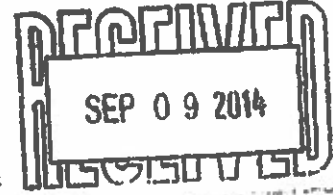
☐ Pure Power

AMOUNT DUE	DUE DATE
\$110.05	Sep 19, 2014
AMOUNT PAYABLE AFTER SEP 30, 2014	ACCOUNT NUMBER
\$111.70	55800-05920

Amount Enclosed \$ _____

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

Ameren Missouri
P.O. Box 88068
Chicago, IL 60680-1068



50633000 0055800059200 000000110050 000000110050

Keep This Portion For Your Records

55800-05920
ALLIANCE WATER RESOURCES INC
3 ANDERSON RD
LAKE OZARK, MO 65049

Sep 9, 2014

Sep 19, 2014	\$110.05
Sep 30, 2014	\$111.70

Payment Received on Aug 20, 2014 \$637.19

Total kWh	98041275	08/06-09/07	32	6826.0000	6909.0000	83.0000	10.0000	830.0000A
Peak kW	98041275	08/06-09/07	32	0.0000	4.2390	4.2390	10.0000	42.3900A

Total kWh	Service To	09/07/2014	830.0000
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SUMMARY METERED ELECTRIC SERVICE BILLING

Rate 2M Sm Gen Svc - 3 Ph w/Dmd	Service From 08/08/2014	To 09/07/2014
Threshold - Peak Demand		
Total Energy Charge	830.00 kWh @ \$.10340000	\$85.82
Customer Charge		\$19.54
Fuel Adjustment Charge	830.00 kWh @ \$.00330000	\$2.74
Energy Efficiency Pgm Charge	830.00 kWh @ \$.00040000	\$0.33
Energy Efficiency Invest Chg	830.00 kWh @ \$.00195500	\$1.62
Total Service Amount		\$110.05

Current Amount Due	\$110.05
Prior Amount Due	\$0.00
Total Amount Due	\$110.05

The ActOnEnergy® BizSavers® program has CASH INCENTIVES available for your next energy efficiency project! Everything from lighting to controls to new construction. Visit ActOnEnergy.com/BizSavers to learn more.

Sign up for Pure Power to support clean renewable energy in Missouri and the Midwest. By checking the box, a 1 cent per kilowatt hour charge will apply. You may cancel at any time.

Seasonal Rate Change - Customer bills for the next eight months will reflect the lower winter costs for providing electric service. Look for ways to control your winter bills by visiting AmerenMissouri.com for tips on using energy efficiently.

A late payment charge of 1.5% will be added for any unpaid balance on all accounts after the delinquent date.



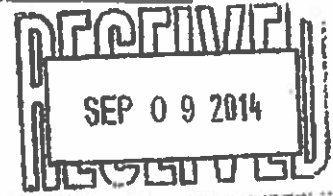
Please Return This Portion With Your Payment.

AMOUNT DUE	DUE DATE
\$9,372.61	Sep 19, 2014
AMOUNT PAYABLE \$	PAYMENT NUMBER
\$9,513.20	45800-05832

Amount
Enclosed \$

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

Ameren Missouri
P.O. Box 88068
Chicago, IL 60680-1068



20600000 0045800058302 000009372610 000009372610

Keep This Portion For Your Records

45800-05832
ALLIANCE WATER RESOURCES INC
3 ANDERSON RD, -
LAKE OZARK, MO 65049

Sep 9, 2014

Sep 19, 2014	\$9,372.61
Sep 30, 2014	\$9,513.20

Payment Received on Aug 20, 2014 \$8,662.33

Total kWh	11673321 08/06-09/07 32	24087.0000	24726.0000	639.0000	160.0000	102240.0000A
Peak kW	11673321 08/06-09/07 32	0.0000	1.3030	1.3030	160.0000	208.4800A

Service To			SUMMARY		Service To	
Total kWh	09/07/2014	102240.0000	Peak kW	09/07/2014	208.5000	
Billing Demand	09/07/2014	208.5000	Total Billing Demand	09/07/2014	208.5000	

METERED ELECTRIC SERVICE BILLING

Rate 3M Large General Service		Service From 08/06/2014 To 09/07/2014	
Demand Charge	208.50 kW	@ \$4.62000000	\$963.27
Energy Charge/Hours Used	31,275.00 kWh	@ \$.09890000	\$3,093.10
Energy Charge/Hours Used	41,700.00 kWh	@ \$.07440000	\$3,102.48
Energy Charge/Hours Used	29,265.00 kWh	@ \$.05000000	\$1,463.25
Customer Charge			\$88.82
Fuel Adjustment Charge	102,240.00 kWh	@ \$.00330000	\$337.39
Energy Efficiency Pgm Charge	102,240.00 kWh	@ \$.00080000	\$81.79
Energy Efficiency Invest Chg	102,240.00 kWh	@ \$.00237200	\$242.51
Total Service Amount			\$9,372.61

Current Amount Due	\$9,372.61
Prior Amount Due	\$0.00
Total Amount Due	\$9,372.61

The ActOnEnergy® BizSavers® program has CASH INCENTIVES available for your next energy efficiency project! Everything from lighting to controls to new construction. Visit ActOnEnergy.com/BizSavers to learn more.

Seasonal Rate Change - Customer bills for the next eight months will reflect the lower winter costs for providing electric service. Look for ways to control your winter bills by visiting AmerenMissouri.com for tips on using energy efficiently.

A late payment charge of 1.5% will be added for any unpaid balance on all accounts after the delinquent date.

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: 6158

01-Sep-14

Customer No: 20220

Terms: 30 days

REFERENCE	DESCRIPTION	AMOUNT
	Wastewater Plant operating service for month of Sep-14	
	Base Fee	\$24,037.09
TOTAL DUE		\$24,037.09

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: 6159

Invoice Date: 01-Sep-14

Customer No: 20220

Terms: 30 days

REFERENCE	DESCRIPTION	AMOUNT
	HD Supply - 1 Invoice - 50%	\$103 70
	Controlled Heating & Cooling Co - 1 Invoice - 50%	\$62 58
	O'Reilly Auto Parts - 1 Invoice - 50%	\$89 14
	Purcell Tire - 1 Invoice - 50%	\$57 50
TOTAL DUE		\$312.92

HD SUPPLY

WATERWORKS

Local Service, Nationwide
P.O. Box 1419
Thomasville, GA 31799-1419

INVOICE

BRANCH ADDRESS
OSAGE BEACH MO
Branch - 138
1049 B Industrial Dr
Osage Beach MO 65065
573/348-1273

INVOICE #	C822669
INVOICE DATE	8/15/14
ACCOUNT #	116902
SALESPERSON	STEVEN BURKE
BRANCH #	138

Total Amount Due **\$222.90**

Remit To:

HD SUPPLY WATERWORKS, LTD.
PO BOX 503660
ST LOUIS, MO 63150-3660

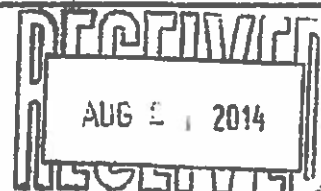
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ALLIANCE WATER RESOURCES INC
PO BOX 1985
LAKE OZARK MO 65049-1985

Shipped to:

CUSTOMER PICK-UP -



Return Top Portion With Payment For Faster Credit

Thank You For The Opportunity To Serve You.
We appreciate your prompt payment.

Date Ordered	Date Shipped	Customer PO No.	Job Name	Job No.	Bill of Lading	Shipped Via	Order Number
8/13/14	8/14/14	CHLORINE	CHLORINE			YOUR TRUCK	C822669
Product Code	Description	Quantity Ordered	Quantity Shipped	Back-Ordered	Price	Per	Amount
96CHL100	100# DRUM GRANULAR CHLORINE	1	1		207.4000	EA	207.40
GL Acct#: <u>6705-20 \$119.20 1220-20 \$103.70</u> Signature: <u>[Signature]</u> Date: <u>8/21/14</u>							

This transaction is governed by and subject to HD Supply Waterworks standard terms and conditions, which are incorporated herein by this reference and accepted. To review these terms and conditions, please point your web browser to <http://waterworks.hdsupply.com/TandC/>.

Terms	SubTotal
NET 30	207.40
Freight	
Delivery	
Handling	
Restock	
Misc.	
Tax	15.50
INVOICE TOTAL	\$222.90

OSAGE BEACH MO
Branch - 138
1049 B Industrial Dr
Osage Beach MO 65065

THANK YOU FOR YOUR ORDER
VISIT
WATERWORKS.HDSUPPLY.COM
FOR OTHER SERVICES OFFERED

INVOICE: C822669

CONTROLLED HEATING & COOLING CO.
883 E. HIGHWAY 42
SUITE A
OSAGE BEACH, MO 65065
573-348-1535

Invoice

Date	Invoice #
8/19/2014	24079

BILL To
Alliance Water Resources P.O. Box 1985 Lake Ozark, MO 65049

*Celebrating 31 Years
1983 - 2014*

AUG 27 2014

P.O. No.	Terms	Project
	Due on receipt	

Description	Qty	Rate	Amount
Labor/hour	1	95.00	95.00
Coil Cleaner <i>UV AC</i>	1	11.00	11.00T
DISASSEMBLE AND WASH A/C WINDOW UNIT. KENMORE UNIT. CLEAN CONDENSER COIL W/ CLEANER. RINSE UNIT THOROUGHLY. RUN UNIT. COOLING GOOD W/ 19TD. AMPS WITHIN SPEC.			
20 x 25 x 4" pleated filter	1	19.15	19.15T
Sales Tax		7.475%	2.25
GL Acct#: <i>6700-20 \$64.82 1220-20 \$62.58</i> Signature: <i>[Signature]</i> Date: <i>8/27/14</i>			
Thank you for your business.	Total \$127.40		



OFFICE P.O. BOX 1154, SPRINGFIELD, MO. 65801
PHONE (417) 862-3333



BILL TO

192183

SHIP TO

ALLIANCE WATER RESOURCES
83 ANDERSON RD
PO BOX 1985
LAKE OZARK

MO 65049-1985

STREET PHONE # 573 249-2725

ADDRESS 155 OSAGE BEACH PARKWAY
OSAGE BEACH MO 65063-2151

REMIT TO: PO BOX 9464
SPRINGFIELD MO 65801-9464

ORDER
NUMBER

4046-315636

ORDER
TYPE

CHARGE SALE

INVOICE
DATE

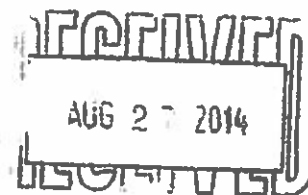
8/27/14

COUNTER NO.	SPECIAL INSTRUCTIONS	SHIP VIA	CUSTOMER ORDER NO.	TIME OF ORDER	FILLED BY	CHECKED BY					
93		DELIVER	FRANK	08:32:01							
TAX	QTY.	LINE	ITEM NUMBER	UNIT MEAS.	CD	DESCRIPTION	LIST PRICE	NET PRICE	DISC %	CORE PRICE	EXTENDED PRICE
			Purchase \$300 in Friction receive 125 Bass Pro/Cabela's gc FirstCallPromo.com								
	1	ROC	RX11-1938	EA	P	FILTER COVER	243.78	123.29			123.29
	1	WIX	33792	EA		FUEL FILTER	39.97	22.99			22.99
	1	WIX	55197	CD		CONTROL CBL	54.22	31.99			31.99
TOTALS							335.97	178.27			
CUSTOMER COPY "We appreciate your business"											
FRANK'S CUSTOMER SIGNATURE <i>Frank Hunsch</i>							CASH TEND.				
							CHANGE				
							SUB-TOTAL				178.27
							MISC.				
							TAX/FEES				13.33
							TOTAL				191.60

IF RETURNED WITHIN 30 DAYS MUST BE APPROVED BY THE PURCHASER

Visit Us At: www.oreillyauto.com

FOR SLUDGE TRK.



GL Acct#: 6702-20 \$102.46 1220-20 \$89.14

Signature: *Pam Hunsch*

Date: 8/27/14



SEND PAYMENTS
ONLY TO

PURCELL TIRE CO
P.O. BOX 503615
ST. LOUIS, MO 63150-3515

PURCELL TIRE AND SERVICE CENTER
990 VIRGINIA AVE

INVOICE #: 2079211

OSAGE BEACH, MO
65065

PAGE: 1
TIME STARTED: 16:04:54
TIME CLOSED: 16:06:33

573/348-4010

NONSIG #: 000163267
CUSTOMER: ALLIANCE WATER RESOURCE
D/B/A LO/OB JOINT
#3 ANDERSON RD
2000441 P O BOX 1985
LAKE OZARKS MO

ACCT#: 2000441
SHIP TO: ALLIANCE WATER RESOURCES
PO BOX 1985
LAKE OZARK, MO
65049

WORK: 573/365-0455 0
HOME: 573/365-0455 0
SALESMAN: 02060
INVOICE DATE: 08/28/14
PICKUP AT STORE: Y

VEHICLE: 2014 SERVICE CALL
LICENSE: XX
TERMS: NET 10TH

MILEAGE: 1

VENDOR REQ: CUSTOMER: 2000441 VENDOR: 001 DOC#: 2079211 TRANS CODE: B
ALLIANCE WATER RESOU GOODYEAR
VENDOR CUSTOMER: 0009960 NONSIG:
VEHICLE TYPE: TK TRUCK

PRODUCT	MECHANIC	QUANTITY	PRICE	F.E.T.	EXTENSION
A2 SMALL FLAT RATE 046122	2016	1	90.00		90.00
FUEL SURCHARGE FUEL1		1.00	25.00		25.00
SWITCHED OUT TWO TIRES ON SLUDGE TRUCK WITH CUSTOMER SUPPLIED TIRES					

LABOR: 115.00
INVOICE TOTAL: 115.00

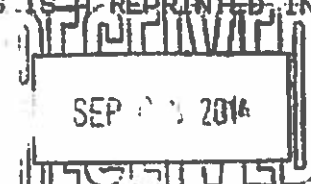
*****THIS IS A REPRINTED INVOICE*****

GOVERNMENT

115.00

F/S/E FED/STATE/INDIAN
ULTIMATE TAX CERTIFICAT
P.O. NUMBER
GS/AN # 1

doh
S
Y
SLUDGE TRUCK ----
G9999999



GL Acct#: 6702-20 \$57.50 1220-20 \$57.50

Signature: *[Signature]*

Date: 9/3/14

Customer Signature : _____

Printed Name: _____

1

SERVICE CHARGES: 1 1/2% PER MONTH (18% ANNUAL RATE) ON ALL PAST DUE AMOUNTS.



SEND PAYMENTS
ONLY TO:

PURCELL TIRE CO
P O BOX 503549
ST. LOUIS, MO 63150-3649

PURCELL TIRE AND SERVICE CENTER
990 VIRGINIA AVE

INVOICE #: 2079137

OSAGE BEACH, MO
65065

PAGE: 1

TIME STARTED: 16:35:37

TIME CLOSED: 17:35:15

573/348-4010

NONSIG #: 000163267

ACCT#: 2000493

CUSTOMER: LO/08 JOINT SEWER BOARD

SHIP TO: LO/08 JOINT SEWER BOARD

2000493 #3 ANDERSON RD
P O BOX 1985
LAKE OZARKS MO

#3 ANDERSON RD
P O BOX 1985
LAKE OZARKS MO
65049

WORK: 573/365-0455 0

VEHICLE: 2001 DODGE DAKOTA

SALESMAN: 02060

LICENSE: 1

MILEAGE: 83698

INVOICE DATE: 08/27/14

TERMS: NET 10TH

PICKUP AT STORE: Y

VENDOR REQ: CUSTOMER: 2000493 VENDOR: 001 DOC#: 2079137 TRANS CODE: B
LO/08 JOINT SEWER BO GOODYEAR GOVERNMENT AND LOCAL

VENDOR CUSTOMER: 0009960

NONSIG:

VEHICLE TYPE: TK TRUCK

PRODUCT	MECHANIC	QUANTITY	PRICE	F.E.T.	EXTENSION
REPLACE LOWER BALL JOINTS 042100	2012	1	40.00		40.00
LOWER BALL JOINTS (7) 042200	2012	2	51.99		103.98
REPLACE UPPER BALL JOINTS 042100	2012	1	40.00		40.00
UPPER BALL JOINTS (7) 042200	2012	2	54.99		109.98
HUB ASSEMBLIES FRONT (7) 042200	2012	2	119.99		239.98
OUTER TIE ROD ENDS (7) 042200	2012	2	49.99		99.98
2 WHEEL ALIGNMENT 078165	2012	1	49.95		49.95
LUG NUTS (7) 046200	2012	10	5.99		59.90
RACK AND PINION (7) 042200	2012	1	267.99		267.99

TRUCK WAS SAFETY ISSUE WHEN CUSTOMER CAME IN. BOTH UPPER AND LOWER BALL JOINTS BAD. BOTH OUTER TIE RODS. RACK AND PINION BOOTS FILLED WITH POWER STEERING FLUID.

WHEEL BEARINGS LOOSE. TECH ABLE TO SHAKE WHEEL BACK AND FORTH.

SHOP MATERIALS

29.95

29.95

MERCHANDISE: 911.76

LABOR: 129.95

INVOICE TOTAL: 1041.71

*****THIS IS A REPRINTED INVOICE*****

GOVERNMENT

1

1041.71

SERVICE CHARGES: 1 1/2% PER MONTH (18% ANNUAL RATE) ON ALL PAST DUE AMOUNTS.

ZERGER & MAUER LLP

1100 Main Street
 Suite 2100
 Kansas City, MO 64105 816/759-3340 Federal ID No. 27-6426971

STATEMENT**PRIVILEGED & CONFIDENTIAL**

City of Osage Beach
 c/o Nancy Viselli
 1000 City Parkway
 Osage Beach, MO 65065

Account No. 1014.0002
 RE: Magruder

Statement Date: 08/27/2014
 Statement No. 13246
 Page No. 1

Fees

		Rate	Hours	
07/01/2014				
JBJ	Review of the Court record for citations for brief for judicial review.	175.00	1.00	175.00
07/02/2014				
JBJ	Final review of brief for judicial review. Collect exhibits to have brief filed w/ the Court and draft enclosure letter to the Court.	175.00	2.00	350.00
EDC	Assist in locating exhibits for Petition in Support for Judicial Review.	0.00	0.50	
07/22/2014				
EDC	Research and docket date for response to our brief	160.00	0.25	40.00
	For Current Services Rendered		3.75	565.00

Expenses

07/02/2014	Photocopy charges	125.60
07/02/2014	Postage	2.94
07/03/2014	Postage	23.94
	Total Expenses	152.48
	Total Current Work	717.48
	Previous Balance	\$1,878.95

Payments

07/21/2014	Payment	-1,303.47
08/25/2014	Payment	-575.48
	Total Payments	-1,878.95
	Balance Due	\$717.48

To ensure proper credit, please include account number and statement date on remittance checks. Thank you.

ZERGER & MAUER LLP

1100 Main Street

Suite 2100

Kansas City, MO 64105 816/759-3300 Federal ID No. 27-5426971

STATEMENT**PRIVILEGED & CONFIDENTIAL**

City of Osage Beach
c/o Nancy Viselli
1000 City Parkway
Osage Beach, MO 65065

Statement Date: 08/27/2014

Previous Balance	Fees	Expenses	Advances	Payments	
1014-0002 Magruder					
1,878.95	565.00	152.48	0.00	-1,878.95	<u>\$717.48</u>

To ensure proper credit, please include account number and statement date on remittance checks. Thank you.

MISSION

Mission Communications, LLC

3060 C Business Park Dr
Norcross GA 30071-5400

Phone: 678-969-0021

Fax: 678-969-0541

INVOICE

Invoice Date

9/9/2014

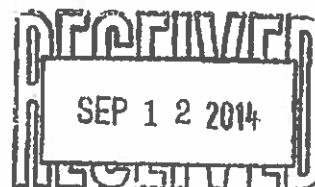
Invoice Number

40026753

S.O. No.

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		SERVICE ONLY	10/9/2014
	SALES REP ID	TERRITORY	PAYMENT TERMS
	HK C	C	Net 30

QTY	Item	Description	Serial No.	Unit Name	Svc. Start	Svc. End	Unit Price	Extension
1	511R	Service Package - M110 Series - 1 year, NON-SHIP, Renewal	689MIS9752	Waste Water Treatment Pl...	10/1/2014	9/30/2015	347.40	347.40
1	581R	Service Package - Expansion Board - 1 year, Renewal (One per option board purchased) (NON-SHIP)	689MIS9752	Waste Water Treatment PL .	10/1/2014	9/30/2015	60.00	60.00
AUTO DIALER ANNUAL SOFTWARE FEE								

Subtotal \$407.40

Payment Received \$0.00

Sales Tax (0.0%) \$0.00

Balance Due \$407.40

Please make checks payable to Mission Communications, LLC

For your convenience Mission accepts credit cards. However, card information must be received within (7) days of the invoice date to avoid a 3% credit card processing fee.

If you have any questions concerning this invoice please contact Diane Muncher, 877-993-1911 x1002, dianem@123mc.com

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	2012 Actual	2013 Actual	2014 Budget	2014 Actual as of 8/31/2014	2014 August Revenue	Percent YTD
3020	Osage Beach	403,305.55	452,145.77	456,500.00	306,024.12	39,326.28	67%
3010	Lake Ozark	86,694.44	92,854.22	93,500.00	60,702.91	6,567.06	65%
3100	Interest	537.49	34.50	35.00	16.50	2.59	47%
3060	Waste Haulers' Fee	40,820.00	41,460.00	41,000.00	23,860.00	5,160.00	58%
Total Operating Fund		531,357.48	586,494.49	591,035.00	390,603.53	51,055.93	66%
E/R Fund Income		1,374.82	1,320.11	1,350.00	901.45	16.70	67%
TOTAL INCOME		532,732.30	587,814.60	592,385.00	391,504.98	51,072.63	66%

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OPERATING FUND INCOME AND EXPENSE SUMMARY
8/31/2014

Beginning Balance	71,729.29
Income - Osage Beach	39,326.28
Income - Lake Ozark	6,567.06
Income - Other	0.00
Income - Waste Haulers' Fees	5,160.00
Interest - Checking	2.59
Income - CD Interest	0.00
Transfers From E/R Fund	0.00
Transfers to E/R fund	-3,467.17
Expenses	-36,394.01
Ending Fund Balance	82,924.04
NOW Account - Central Bank	82,924.04
Outstanding Checks:	0.00
Deposit in Transit:	0.00
	82,924.04

EQUIPMENT REPLACEMENT FUND INCOME AND EXPENSE SUMMARY
8/31/2014

Beginning Balance	398,584.67
Interest - Checking	16.70
Income - CD Interest	0.00
Transfers From E/R Fund	3,467.17
Transfers to E/R Fund	0.00
Income - Miscellaneous	0.00
Expenses	-4,445.00
Ending Fund Balance	397,623.54
NOW Account - First Bank	105,790.74
CD First National Bank, 01/15 #000048178	113,593.69
CD Providence Bank, 07/15 #1268880	76,655.88
CD First National Bank, 01/15 #000049153	101,583.23
Deposit in Transit	0.00
Outstanding Checks:	0.00
	397,623.54

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Operating Fund

CHECK REGISTER - JOINT SEWER BOARD OPERATION FUND

	reconciled balance 5/31/14			64,241.10
3375	Zerger & Mauer	X	7,341.85	56,899.25
3376	Ameren UE	X	8,324.96	48,574.29
3377	ER Fund Transfer	X	3,467.17	45,107.12
3378	Alliance Water Resources, Inc.	X	24,037.09	21,070.03
3379	Alliance Water Resources, Inc.	X	1,200.00	19,870.03
3380	Alliance Water Resources, Inc.	X	378.15	19,491.88
3381	Zerger & Mauer	X	3,032.36	16,459.52
	Deposit	X		38,367.11
	Deposit	X		7,466.22
	Deposit	X		2,440.00
	Interest	X		2.37
	reconciled balance 6/30/14			64,735.22
3382	ER Fund Transfer	X	3,467.17	61,268.05
3383	Alliance Water Resources, Inc.	X	24,037.09	37,230.96
3384	Alliance Water Resources, Inc.	X	1,220.00	36,010.96
3385	Alliance Water Resources, Inc.	X	120.36	35,890.60
3386	JCI	X	4,511.00	31,379.60
3387	Zerger & Mauer	X	1,303.47	30,076.13
3389	Ameren UE	X	8,642.69	21,433.44
	Deposit	X		39,051.98
	Deposit	X		6,781.35
	Deposit	X		4,460.00
	Interest	X		2.52
	reconciled balance 7/31/14			71,729.29
3388	Goring, Korte, & Chitwood	X	1,900.00	69,829.29
3390	Ameren UE	X	9,199.52	60,629.77
3391	ER Fund Transfer	X	3,467.17	57,162.60
3392	Alliance Water Resources, Inc.	X	24,037.09	33,125.51
3393	Alliance Water Resources, Inc.	X	880.00	32,245.51
3394	Alliance Water Resources, Inc.	X	136.65	32,108.86
3396	Lake Sun	X	240.75	31,868.11
	Deposit	X		39,326.28
	Deposit	X		6,567.06
	Deposit	X		5,160.00
	Interest	X		2.59
	reconciled balance 8/31/14			82,924.04



Central Bank of Lake of the Ozarks

MEMPHIS, TN 38102

P.O. Box 4800, Jefferson City, MO 65102
(573) 318-2761 001130

Return Service Requested



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

Period 08/01/2014-08/29/2014 Page 1 of 2

Web Address www.centralbank.com

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Your Financial Summary on August 29, 2014

Account Balances & Other Assets

Checking	\$ 82,924.04
Total	\$ 82,924.04

Detailed Explanation of Account Balances and Other Assets

Checking

Beginning Balance July 31, 2014 \$ 71,729.29

Deposits

Aug 20 Deposit	5,000.00
Aug 20 Deposit	6,567.06
Aug 20 Deposit	39,326.28
Aug 25 Deposit	160.00
Aug 29 Interest Earned	2.59

Total **+\$ 51,055.93**

Checks

Check No.	Date Paid	Amount	Check No.	Date Paid	Amount
3388	Aug 04	1,900.00	3393	Aug 21	880.00
3390	Aug 21	9,199.52	3394	Aug 21	136.65
3391	Aug 21	3,467.17	3396	Aug 22	240.75
3392	Aug 21	24,037.09			

Total **-\$ 39,861.18**

Ending Balance August 29, 2014 **\$ 82,924.04**

Number of days since last statement/interest cycle 31
Beginning and ending dates for calculation of statement/interest cycle are 08/01/2014 through 08/31/2014
Average collected balance 76,121.00
Interest rate 0.04%
Annual percentage yield earned 0.04%

JSB - CHECK REGISTERS 2013

CHECK REGISTER - JOINT SEWER BOARD EQUIPMENT REPLACEMENT FUND				
	reconciled balance 7/31/13			59,849.63
	Interest	X	7.50	59,857.13
	Deposit	X	5,797.29	65,654.42
	reconciled balance 8/31/13			65,654.42
	Interest	X	8.72	65,663.14
	Deposit	X	5,797.29	71,460.43
	reconciled balance 9/30/13			71,460.43
	Interest	X	9.37	71,469.80
	Deposit	X	5,797.29	77,267.09
	reconciled balance 10/31/13			77,267.09
	Interest	X	9.26	77,276.35
	Deposit	X	5,797.29	83,073.64
1005	Check	X	4,260.00	78,813.64
	reconciled balance 11/30/13			78,813.64
	Interest	X	10.70	78,824.34
	Deposit	X	5,797.29	84,621.63
	reconciled balance 12/31/13			84,621.63
	Interest	X	10.84	84,632.47
	Deposit	X	3,467.17	88,099.64
1006	Check	X	2,228.18	85,871.46
	reconciled balance 1/31/14			85,871.46
	Interest	X	10.00	85,881.46
	Deposit	X	3,467.17	89,348.63
	reconciled balance 2/28/14			89,348.63
	Interest	X	11.54	89,360.17
	Deposit	X	3,467.17	92,827.34
	reconciled balance 3/31/14			92,827.34
	Interest	X	11.63	92,838.97
	Deposit	X	3,467.17	96,306.14
	reconciled balance 4/30/14			96,306.14
	Interest	X	11.99	96,318.13
	Deposit	X	3,467.17	99,785.30
	reconciled balance 5/31/14			99,785.30
	Interest	X	14.42	99,799.72
	Deposit	X	3,467.17	103,266.89
	reconciled balance 6/30/14			103,266.89
	Interest	X	17.81	103,284.70
	Deposit	X	3,467.17	106,751.87
	reconciled balance 7/31/14			106,751.87
	Interest	X	16.70	106,768.57
1007	Check	X	4,445.00	102,323.57
	Deposit	X	3,467.17	105,790.74
	reconciled balance 8/31/14			105,790.74



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

536 00010
ACCOUNT:
DOCUMENTS:

PAGE: 1
08/29/2014

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

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NOTICE OF EXPIRATION OF THE TEMPORARY FULL FDIC INSURANCE COVERAGE FOR
NONINTEREST-BEARING TRANSACTION ACCOUNTS

By operation of federal law, beginning Jan. 01, 2013, funds deposited in
a noninterest-bearing transaction account (including an Interest on
Lawyer Trust Account) no longer will receive unlimited deposit insurance
coverage by the Federal Deposit Insurance Corporation (FDIC). Beginning
Jan. 01, 2013, all of a depositor's accounts at an insured depository
institution, including all noninterest-bearing transaction accounts, will
be insured by the FDIC up to the standard maximum deposit insurance
amount (\$250,000), for each deposit insurance ownership category.
For more information about FDIC insurance coverage of noninterest-bearing
transaction accounts,
visit <http://www.fdic.gov/deposit/depc-expiration.html>

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BUSINESS MMDA ACCOU

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LAST STATEMENT 07/31/14	106,751.87
2 CREDITS	3,483.87
1 DEBITS	4,445.00
THIS STATEMENT 08/29/14	105,790.74

----- DEPOSITS -----

REF #	DATE	AMOUNT	REF #	DATE	AMOUNT	REF #	DATE	AMOUNT
	08/20	3,467.17						

----- OTHER CREDITS -----

DESCRIPTION	DATE	AMOUNT
INTEREST	08/29	16.70

----- CHECKS -----

CHECK #	DATE	AMOUNT	CHECK #	DATE	AMOUNT	CHECK #	DATE	AMOUNT
1007	08/13	4,445.00						

*** CONTINUED ***

CAPITAL IMPROVEMENT ITEM DESCRIPTIONS
For Consideration
BUDGET YEAR 2015

TIER 1

			Notes
1. Annual fee for Mission autodialer (software fee)	(estimated)	\$500	Annual Fee
2. Expanded Effluent testing for Permit Renewal	(estimated)	\$1,000	Permit Renewal
3. NPDES Permit Renewal fee	(estimated)	\$3,500	Permit Renewal
4. Regular Plant & Vehicle Maintenance	\$8,000 & \$3,000 (estimated)	\$11,000	Annual Maint
5. UV Spare Parts & replace all wipers	(estimated)	\$8,000	Annual Maint
6. Backup Hach DO meter & probe	(estimated)	\$2,100	New
7. Rebuild Ducking Skimmer Arm & Arm Supports on Clarifier #2	(estimated)	\$5,000	New - Carryover
8. Parking Lot Sealing and Crack Filling.	(estimated)	\$1,200	New
9. Painting of all 5 Buildings inside upper fenced area	(estimated)	\$10,000	New
10. Strip and refinish tile floor in Administration Building	(estimated)	\$1,000	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.
Estimated Tier 1 Total		\$45,300	

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 # 1 Aeration Basin down, removal of grit by Contractor and repair valves and required lab testing on grit.	(estimated)	\$55,000	Carryover
3. Repair & Paint Sludge Truck cab, Sandblast & Paint tank & frame	(estimated)	\$10,000	New - Carryover
Estimated Tier 2 Total		\$165,000 to \$265,000	

Informational TIER 3

1. New 4 wheel drive pickup w/ snow plow	(estimated)	\$35,000	Carryover
2. Option 1 - New replacement highway style sludge truck w/ 3500 gallon tank	(estimated)	\$165,000	Carryover

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**OPERATING
DIVISIONS**

MISSOURI

Atchison County
Bonne Terre
Boonville
Bowling Green
Buchanan County #1
Cameron
Cape Girardeau
Craig
East Central Missouri
Water & Sewer
Authority
Elsberry
Franklin County #1
Franklin County #3
Henry County
Water Company
Henry County #3
Lake Ozark/
Osage Beach
Lincoln County #1
Nevada
Parkville
Phelps County #2
Platte County #C-1
Proctor & Gamble
Ralls County #1
Russellville
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 2014

Submitted by Alliance Water Resources, Inc. for the

September 2014

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-01013241. 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	1.2	1.3	NA	< 20		.09	<5.0	NA
Peak Day	1.8	2.0	8.0	< 20		0.2	<5.0	NA
Percent Removal	99.4	99.3	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						5.6	15	8.1

PLANT HYDRAULIC AND ORGANIC LOADING

The average daily influent flow for the month was 2.027 MGD or 68% 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 96870 pounds of BOD.

BIOSOLIDS APPLICATION AND INVENTORY

Plant personnel land applied 107 tanker loads of bio-solids during the month equivalent to a total of 395,000 gallons and 102,973 pounds dry weight solids.

480,212 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 281,875 gallons with a level of 5.5 feet in Tank 1 and 0.0 feet in Tank 2.

WASTEHAULERS

The plant received 55 loads of septage during the month totaling 129,000 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)
- We changed out 2 UV bulbs on the 26th of August, which 1 was still under warranty and the other was an old Wedeco.
- We took the Dodge pickup up to Purcell Tire on the 25th to have them check a noise that we were hearing in the front end and told them that if it was going to cost over \$400 or \$500 to call before they repaired it. We called them on the 26th to find out how it was doing and was informed that it had a lot wrong with it and was a safety hazard to drive, so they went ahead and fixed it without approval. I emailed Nancy Viselli and Dave Van Dee concerning this and they said it was fine, but they should have contacted us before they fixed it. We took it to them almost exactly a year ago and told them to check out the front end due to the same problem and all they did was line the front end and said everything else looked fine.

SAFETY

- We conducted our monthly routine Safety Meeting on Lockout/Tagout on the 6th of August.

REGULATORY AGENCY, INSPECTION AND REPORTS

- We filled out our new EDMR on MDNR website on the 5th of September.
- We received the lab results for our 3rd quarter 503 sludge tests on the 25th of August and everything looked good. (see attachment)

MISCELLANEOUS AND RECOMMENDATIONS

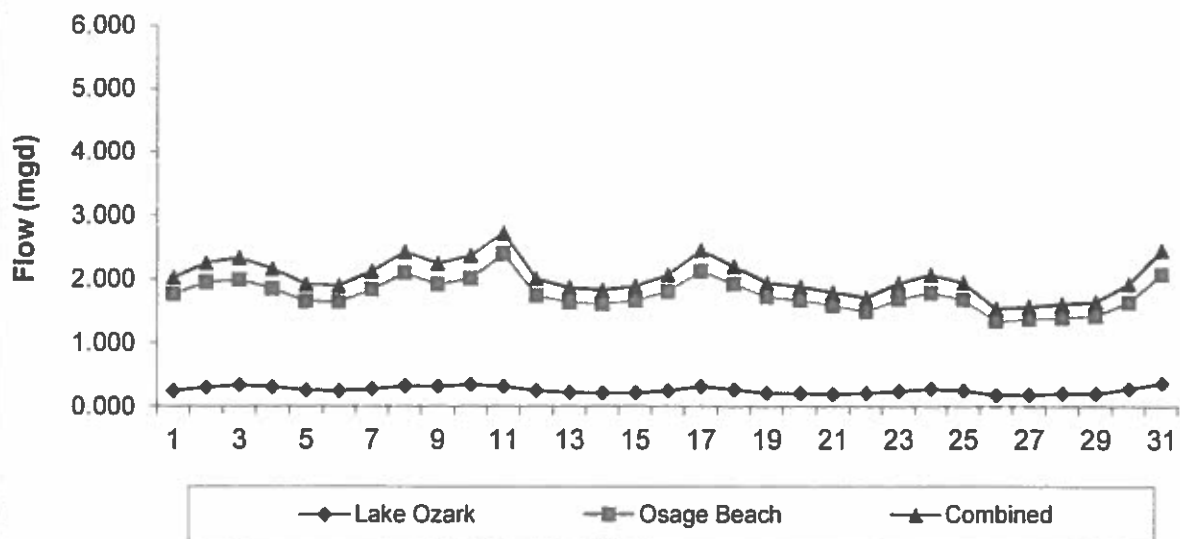
- We put an invitation to bid in the Lake Sun Public Notice section for the sandblasting and painting of Clarifier #1 on August 8th. Along with it being in the Lake Sun we sent out 5 separate invitations and only received one sealed bid back. It was voted on at the August Joint Sewer Board meeting to award the bid to Hogan's Inc. and have since been contacted and given the notice to proceed. They are planning on getting started sometime during the first week of October.

TABLE A
LAKE OZARK/OSAGE BEACH WWTP

MONTH OF August 2014

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-Aug		0.253	1.765	2.018	12.5	87.5	195	240	235	126	232	204
2-Aug		0.306	1.949	2.255	13.6	86.4						
3-Aug		0.345	1.992	2.337	14.8	85.2						
4-Aug		0.311	1.848	2.159	14.4	85.6						
5-Aug		0.263	1.655	1.918	13.7	86.3						
6-Aug		0.254	1.645	1.899	13.4	86.6						
7-Aug	1.2	0.283	1.839	2.122	13.3	86.7						
8-Aug	0.7	0.328	2.100	2.428	13.5	86.5	183	153	185	140	196	196
9-Aug		0.325	1.925	2.250	14.4	85.6						
10-Aug		0.353	2.015	2.368	14.9	85.1						
11-Aug	0.25	0.324	2.397	2.721	11.9	88.1						
12-Aug		0.256	1.747	2.003	12.8	87.2						
13-Aug		0.226	1.642	1.868	12.1	87.9						
14-Aug		0.217	1.615	1.832	11.8	88.2						
15-Aug		0.224	1.671	1.895	11.8	88.2	165	155	168	164	158	170
16-Aug	0.4	0.257	1.813	2.070	12.4	87.6						
17-Aug	0.1	0.324	2.127	2.451	13.2	86.8						
18-Aug		0.272	1.927	2.199	12.4	87.6						
19-Aug		0.219	1.728	1.947	11.2	88.8						
20-Aug		0.212	1.672	1.884	11.3	88.7						
21-Aug		0.199	1.597	1.796	11.1	88.9						
22-Aug		0.218	1.493	1.711	12.7	87.3	175	200	183	166	198	170
23-Aug		0.247	1.691	1.938	12.7	87.3						
24-Aug		0.284	1.791	2.075	13.7	86.3						
25-Aug		0.263	1.687	1.950	13.5	86.5						
26-Aug		0.189	1.351	1.540	12.3	87.7						
27-Aug		0.194	1.380	1.574	12.3	87.7						
28-Aug		0.212	1.405	1.617	13.1	86.9						
29-Aug		0.211	1.432	1.643	12.8	87.2	138	148	153	124	172	178
30-Aug	0.2	0.287	1.639	1.926	14.9	85.1						
31-Aug		0.372	2.086	2.458	15.1	84.9						
SUM	2.9	8.228	54.624	62.852								
AVG		0.265	1.762	2.027	13	87	171	179	185	144	191	184
NOTE: BOLD PRINT INDICATES WEEKEND DAYS												

**Daily Flow
Figure 1**



**Effect of Rainfall on Flow
Figure 2**

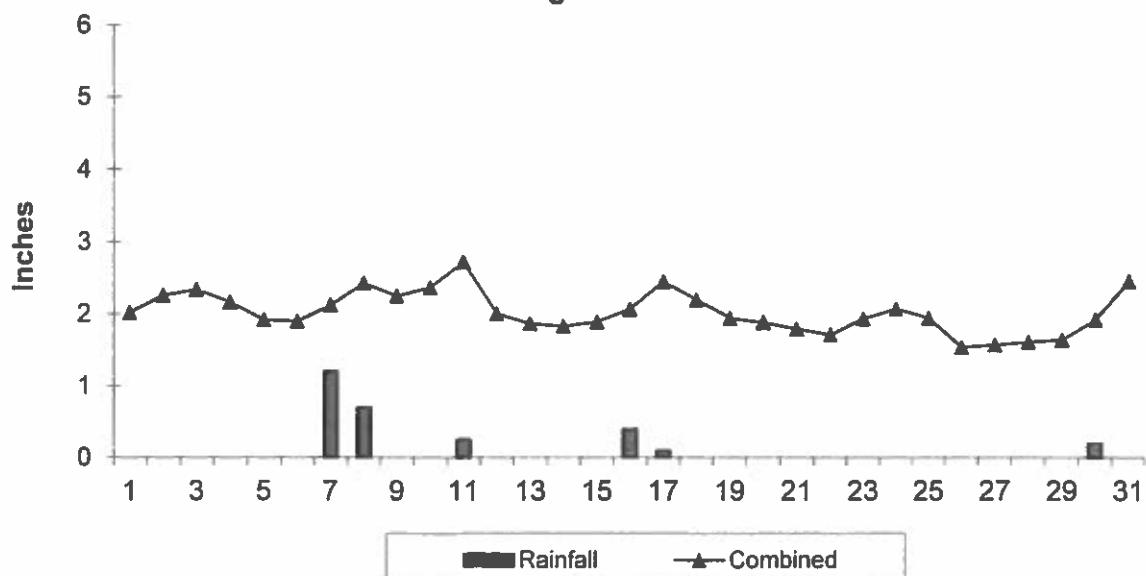


TABLE B
JOINT SEWER BOARD
Monthly Flows

<u>2012</u>	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	0.7	20,401,000	82%	4,577,000	18%	24,978,000	100%
February	2.4	18,682,000	80%	4,563,000	20%	23,245,000	100%
March	6.3	28,720,000	81%	6,779,000	19%	35,499,000	100%
April	8.0	30,919,000	81%	7,049,000	19%	37,968,000	100%
May	1.6	35,910,000	82%	7,801,000	18%	43,711,000	100%
June	1.4	39,021,000	83%	7,841,000	17%	46,862,000	100%
July	1.4	46,676,000	83%	9,443,000	17%	56,119,000	100%
August	1.0	39,227,000	84%	7,571,000	16%	46,798,000	100%
September	6.5	34,629,000	84%	6,696,000	16%	41,325,000	100%
October	3.6	28,634,000	85%	5,240,000	15%	33,874,000	100%
November	1.1	22,996,000	85%	4,113,000	15%	27,109,000	100%
December	1.4	20,460,000	84%	3,832,000	16%	24,292,000	100%

35.2	366,275,000	83%	75,505,000	17%	441,780,000	100%
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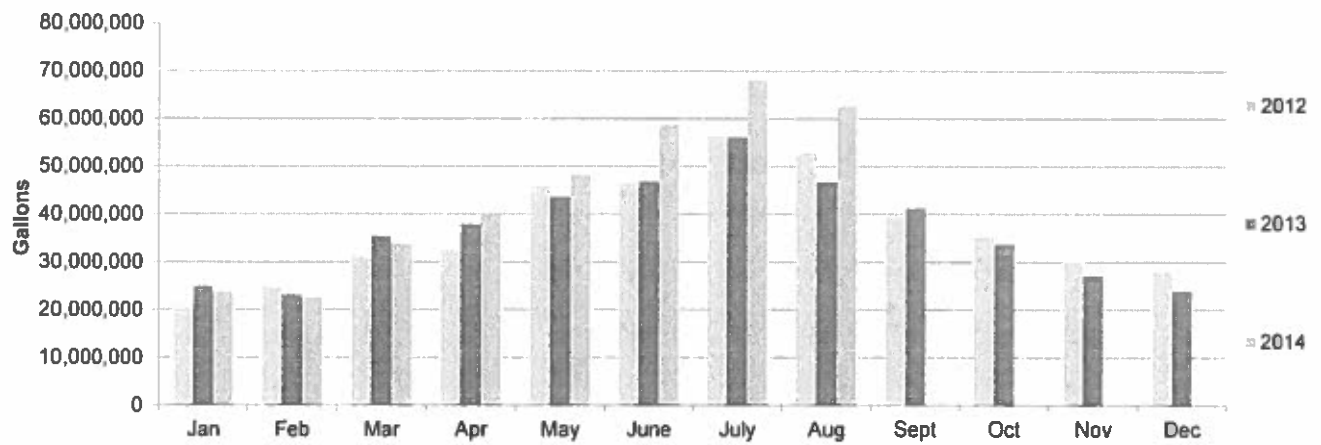
<u>2013</u>	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	2.8	19,923,000	83%	4,104,000	17%	24,027,000	100%
February	4.2	19,290,000	83%	3,979,000	17%	23,269,000	100%
March	5.3	28,232,000	82%	6,308,000	18%	34,540,000	100%
April	8.7	31,410,000	81%	7,507,000	19%	38,917,000	100%
May	2.9	32,247,000	83%	6,560,000	17%	38,807,000	100%
June	4.6	40,205,000	83%	8,185,000	17%	48,390,000	100%
July	2.2	46,803,000	84%	8,794,000	16%	55,597,000	100%
August	15.0	45,742,000	83%	9,351,000	17%	55,093,000	100%
September	2.3	33,128,000	83%	6,869,000	17%	39,997,000	100%
October	3.6	27,722,000	82%	5,996,000	18%	33,718,000	100%
November	2.5	22,915,000	83%	4,775,000	17%	27,690,000	100%
December	2.5	19,507,000	83%	4,038,000	17%	23,545,000	100%

56.6	367,124,000	83%	76,466,000	17%	443,590,000	100%
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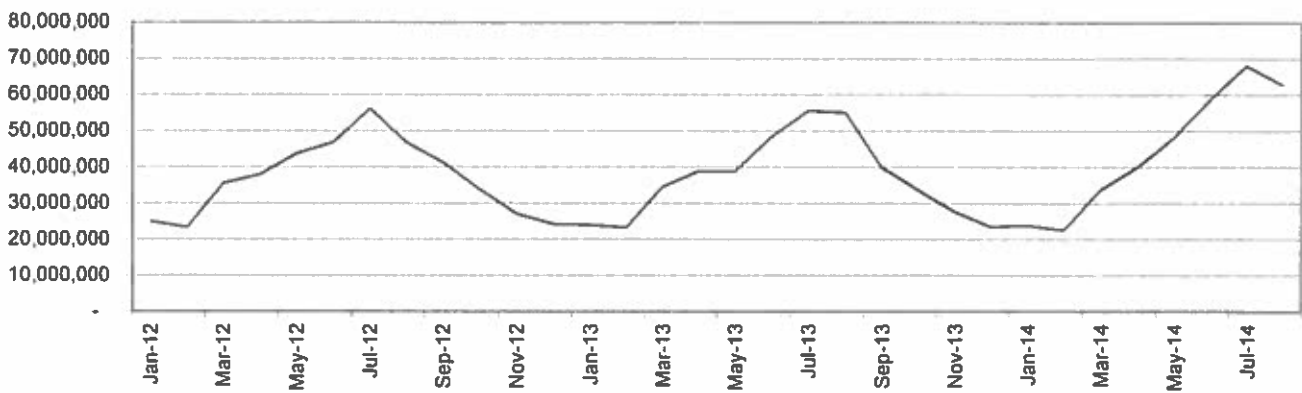
<u>2014</u>	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	3.0	19,229,000	81%	4,634,000	19%	23,863,000	100%
February	1.3	18,444,000	82%	4,114,000	18%	22,558,000	100%
March	1.2	28,731,000	85%	5,061,000	15%	33,792,000	100%
April	5.1	33,479,000	84%	6,515,000	16%	39,994,000	100%
May	4.7	41,054,000	85%	7,129,000	15%	48,183,000	100%
June	5.1	50,416,000	86%	8,342,000	14%	58,758,000	100%
July	3.1	59,089,000	87%	9,059,000	13%	68,148,000	100%
August	2.9	54,624,000	87%	8,228,000	13%	62,852,000	100%
September							
October							
November							
December							

26.2	305,066,000	84%	53,082,000	16%	358,148,000	100%
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Monthly Influent Flow
Figure 3A

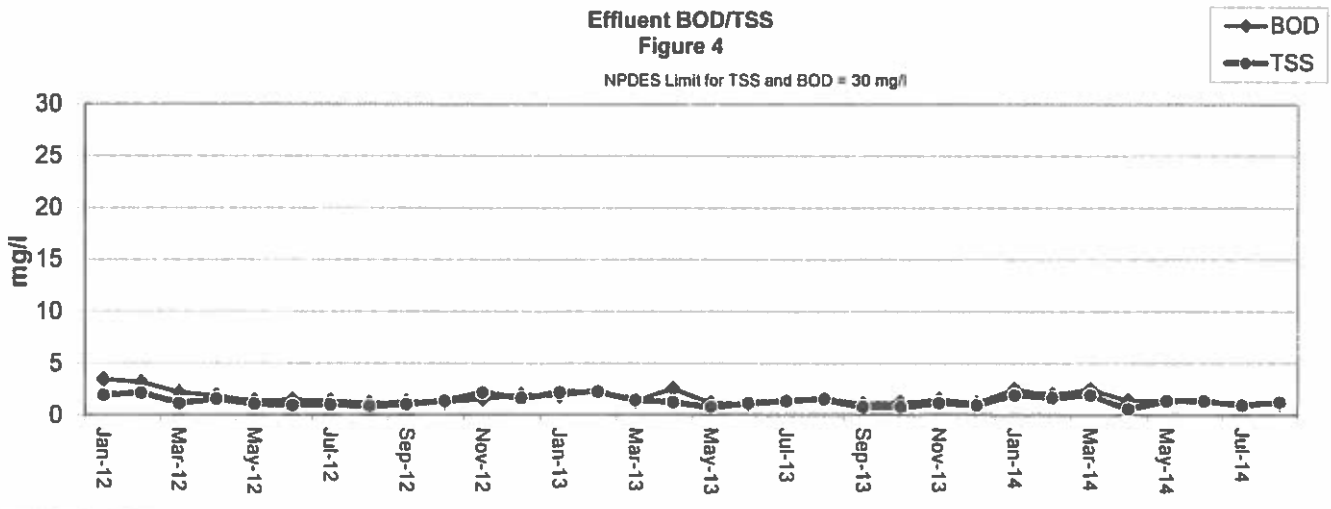


Monthly Influent Flow
Figure 3B



Effluent BOD/TSS
Figure 4

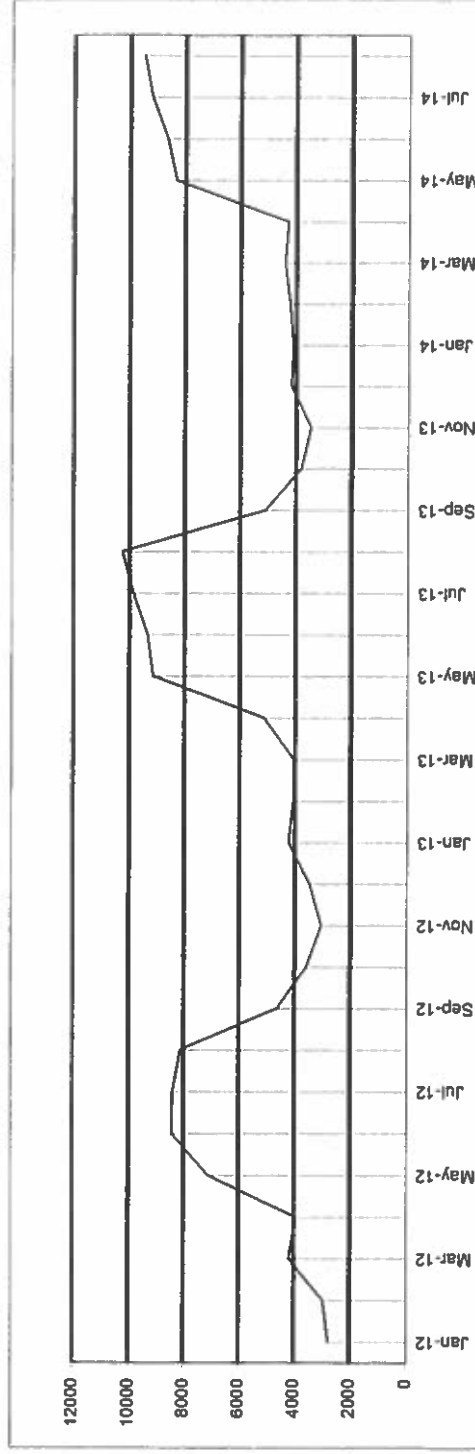
NPDES Limit for TSS and BOD = 30 mg/l



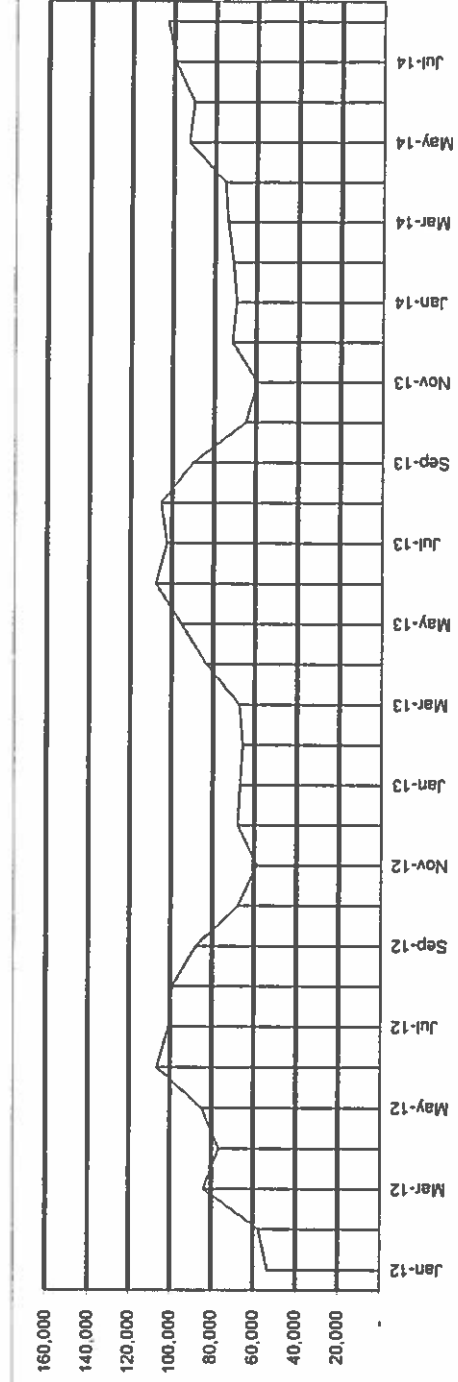
Basin Depths										Blanket Depths										MLSS Inventory										Blanket and MLSS Inventor										MLSS										Total Dry																																																																																																																																																																																																																																																																																																			
Tank #1					Tank #2					AB #1					AB #2					Basin Gallons					# Dry					Clar #1					Clar #2					Clar #3					MLSS AB #1					MLSS AB #2					Gallons					# Dry					% Solids					Sludge Inventory																																																																																																																																																																																																																																																																															
Loads	Gallons	# Dry	% Solids	Annual Cumulative # Dry	5.5	3.5	0.0	405,000	122,112	100,929	120,111	4.5	3.0	0.0	337,500	111,185	102,483	3,635,524	246,114	18	43,500	5.5	2.0	0.0	337,500	111,185	102,483	3,635,524	246,114	17	42,500	2.0	1.0	0.0	3,380	3,736,190	81,016	0.0026	192,201	39	103,500	3.0	2.0	0.0	225,000	55,177	2,870	3,788,499	93,682	0.00297	132,264	37	86,500	1.0	3.0	0.0	180,000	52,969	3,560	3,714,476	96,809	0.00313	149,378	55	138,000	5.0	0.0	0.0	225,000	59,631	3,440	3,718,428	90,399	0.00292	150,030	36	80,000	4.5	3.0	0.0	337,500	80,605	3,080	3,744,094	93,521	0.003	174,126	37	91,500	4.5	0.0	0.0	202,500	56,745	3,160	3,691,785	99,758	0.00324	156,503	33	76,500	2.0	2.0	0.0	180,000	58,460	3,970	3,775,666	111,556	0.00353	169,616	32	66,500	5.0	1.5	0.0	282,500	85,378	4,030	3,697,691	104,081	0.00338	189,459	48	120,000	6.0	2.5	0.0	382,500	111,652	4,120	3,662,167	124,155	0.00407	235,807	26	65,000	8.0	5.0	0.0	495,000	144,491	4,000	3,696,714	119,314	0.00387	263,805	56	110,000	6.0	6.0	0.0	540,000	176,492	4,620	3,766,785	135,084	0.0044	311,663	21	52,500	3.5	4.0	0.0	337,500	105,931	3,970	3,828,952	117,994	0.0035	217,698	36	85,500	6.0	3.0	0.0	405,000	126,101	3,850	3,740	117,994	0.0037	244,095	47	117,500	6.0	1.0	0.0	315,000	92,301	3,950	3,705,595	129,181	0.00418	221,482	58	137,500	5.0	1.0	0.0	270,000	85,240	3,150	3,727,309	100,252	0.00323	181,218	57	142,500	2.0	0.0	0.0	90,000	32,375	2,950	3,680	103,895	0.00332	136,271	32	80,000	4.0	0.0	0.0	180,000	64,552	3,220	3,740	106,259	0.00348	170,811	15	37,500	5.0	2.0	0.0	315,000	112,985	3,600	3,652,309	113,921	0.00374	226,887	19	47,500	4.0	5.0	0.0	405,000	145,241	3,690	3,679,929	117,392	0.00383	262,633	22	54,500	5.0	5.5	0.0	472,500	169,448	3,410	3,671,048	113,894	0.00372	283,341	6	15,000	5.0	5.0	0.0	450,000	149,733	4,270	3,639,476	129,001	0.00425	276,734	35	90,500	7.5	3.5	0.0	495,000	158,845	4,420	3,710	125,761	0.00407	284,606	30	75,000	5.5	3.5	0.0	405,000	127,261	3,550	3,740,142	118,377	0.0038	245,638	24	60,000	4.5	5.5	0.0	450,000	120,005	3,530	3,775,666	96,986	0.00308	216,991	26	61,000	6.5	2.0	0.0	382,500	99,219	4,030	3,780,595	120,445	0.00382	219,664	44	111,500	5.5	0.0	0.0	247,500	64,374	3,690	3,678,952	97,110	0.00317	161,484	55	129,000

Electric Cost

	<u>Electric Cost</u>	<u>Kilowatts Used</u>
Jan-12	2784	53,291
Feb-12	2962	57,492
Mar-12	4200	83,720
Apr-12	3943	76,650
May-12	7120	84,700
Jun-12	8431	106,650
Jul-12	8404	100,910
Aug-12	8121	99,190
Sep-12	4653	87,730
Oct-12	3588	67,820
Nov-12	3050	58,850
Dec-12	3472	68,170
Jan-13	4240	66,990
Feb-13	4069	65,810
Mar-13	4056	67,500
Apr-13	5132	83,390
May-13	9135	95,360
Jun-13	9331	107,780
Jul-13	9861	102,490
Aug-13	10255	105,350
Sep-13	5108	89,830
Oct-13	3806	64,870
Nov-13	3459	59,610
Dec-13	4171	71,660
Jan-14	4116	69,690
Feb-14	4226	71,330
Mar-14	4427	73,840
Apr-14	4297	75,240
May-14	8325	92,580
Jun-14	8643	90,400
Jul-14	9200	99,540
Aug-14	9483	103,070



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						
Aug-14		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	235	204	23	2.020	8.0	0.9	0.8		5.6		23.3	99.6	99.6
2	7.4			23.2	2.123	7.9				5.6		23.1		
3	7.4			23.8	2.298	8.0				5.6		23.6		
4	7.4			23.4	2.147	8.0				5.2	<20	23.6		
5	7.3			24.1	1.950	8.0				5.0		24.5		
6	7.3			23.8	1.864	8.0				5.3		24.5		
7	7.3			23.5	2.182	8.0			0.2	4.5		24.2		
8	7.4	185	196	23.4	2.494	8.0	1.8	2.0		4.9		24.7	99.0	99.0
9	7.5			24.2	2.151	8.0				5.1		24.4		
10	7.5			23.6	2.368	8.0				5.8		24.3		
11	7.4			24.1	2.738	8.0				5.4	< 20	24.7		
12	7.4			23.6	1.910	7.6				5.7		24.2		
13	7.4			23	1.903	8.0				5.3		23.6		
14	7.3			22.7	1.886	7.7			0.07	5.5		23.5		
15	7.0	168	170	23.8	1.805	7.7	1.0	1.4		6.0		23.7	99.4	99.2
16	7.4			23.6	2.085	7.9				5.5		23.6		
17	7.4			24.1	2.419	8.0				5.2		24.5		
18	7.5			23.8	2.175	8.0				5.6	< 20	24.5		
19	7.2			23.9	1.931	7.9				5.0		24.5		
20	7.3			24	1.775	7.9				5.2		24.8		
21	7.4			24.3	1.827	7.9			0.02	5.2		25.3		
22	7.3	183	170	24.4	1.721	7.9	1.1	0.8		5.2		25.5	99.4	99.5
23	7.3			24.3	1.784	7.9				5.4		25.5		
24	7.3			24.4	2.075	7.9				5.2		25.4		
25	7.3			25.2	1.927	8.0				5.3	< 20	25.9		
26	7.3			24.7	1.532	8.0				5.2		25.9		
27	7.3			23.6	1.453	7.9				5.6		25.6		
28	7.2			23.7	1.649	7.9			0.02	5.4		25.7		
29	7.2	153	178	24.3	1.653	8.0	1.2	1.4		5.9		25	99.2	99.2
30	7.3			24.5	1.812	7.9				5.0		25.1		
31	7.3			25.3	2.421	7.9				5.0		25.3		
Total					62.078									
Avg		185	184	24	2.003		1.2	1.3	0.08	5.3	0.0	24.6	99.3	99.3
Min	7.0	153	170	23	1.453	7.6	0.9	0.8	0.02	4.5	0.0	23.1	99.0	99.0
Max	7.5	235	204	25	2.738	8.0	1.8	2.0	0.2	6.0	0.0	25.9	99.6	99.6

MONTHLY EFFLUENT MONITORING		QUARTERLY EFFLUENT MONITORING	
DATE	Oil & Grease mg/L	Selenium µg/L	Zinc µg/L
1			
2			
3			
4	< 5.0		
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			
Total			
Avg	< 5.0	0.00	0.00
Min	< 5.0	0.00	0.00
Max	< 5.0	0.00	0.00

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	** MLSS	*Settleability		* DO	** MLSS	*Settleability		* Ambient		
		mg/l	mg/l	*30 min ml	Temp ° C	mg/l	mg/l	*30 min ml	Temp ° C	Temp ° F		
1		1.4	4,850	700	22.9	1.5	3,410	470	23	65		7:30
2		1.5	4,320	600	22.9	1.6	3,460	450	23	64		7:30
3		1.5	4,060	480	23.1	1.4	3,580	510	23.3	64		7:30
4		1.2	3,740	490	23.2	1.2	3,610	490	23.5	67		7:30
5	5,554	1.1	3,550	450	24.2	1.1	4,330	670	24.3	73		7:30
6	6,665	1.2	3,110	360	24.3	1.2	4,170	640	24.3	69		7:30
7		0.9	4,510	670	24	1.2	2,950	380	24.1	71	1.2	7:30
8		1.2	4,970	670	24.4	1.5	3,600	410	24.3	71	0.7	7:30
9		1.6	3,600	470	24.2	1.4	3,340	440	24.2	71		7:30
10		1.6	3,320	400	24.2	1.4	3,820	560	24.3	71		7:30
11		1.2	3,770	470	24.7	1.7	2,730	350	24.7	72	0.25	7:30
12		1.4	3,690	520	23.7	1.9	3,170	400	23.5	64		7:30
13	6,696	1.5	3,700	470	22.9	2.3	3,320	440	22.8	61		7:30
14		2.2	3,600	540	23.2	3.3	2,840	310	23.1	62		7:30
15	5,925	1.2	3,550	460	23.2	2.2	3,330	430	23	65		7:30
16		2.2	2,450	340	23.6	1.9	3,710	430	23.7	70	0.4	7:30
17		1.2	4,180	480	24.3	1.4	3,190	380	24.3	73	0.1	7:30
18	6,480	1.2	3,820	470	24.3	1.5	3,090	320	24.1	70		7:30
19	8,486	1.4	3,600	440	24.1	1.5	3,590	460	24.3	70		7:30
20	9,504	1.2	4,050	480	24.5	2.3	3,040	320	24.4	72		7:30
21	10,183	1.1	3,750	420	25.1	1.4	3,250	350	24.8	74		7:30
22	10,183	1.5	3,690	360	25.2	1.7	3,750	380	25.1	74		7:30
23	10,862	2.7	3,230	310	25.2	2.3	3,370	360	25.2	73		7:30
24	7,159	2.8	2,770	270	24.9	3	2,650	270	24.9	70		7:30
25	4,474	1.2	4,100	400	25.7	1.6	2,760	270	25.3	74		7:30
26	10,800	1.5	3,650	350	25.6	1.4	3,280	320	25.5	75		7:30
27		2.7	2,790	280	25	2.1	3,240	340	25.1	70		7:30
28		1.6	3,310	280	24.7	1.9	3,150	310	24.5	72		7:30
29		2.6	3,080	290	24.6	2.7	3,280	300	24.8	70		7:30
30		1.5	3,230	280	24.6	1.8	2,230	250	24.8	71	0.2	7:30
31		1.4	3,690	330	25	1.5	2,640	240	24.9	70		7:30

COMMENTS:

TESTS PERFORMED BY (PRINT)	SIGNATURE	PHONE #	DATE
Frank Hendricks	<i>Frank Hendricks</i>	(573)365-0455	9/4/2014
REPORT APPROVED BY (PRINT)	SIGNATURE	PHONE #	DATE
Gary Hutchcraft	<i>Gary Hutchcraft</i>	(573)365-0455	9/4/2014

*Required Daily (Monday - Friday)

**Required 1/week

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

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

PERMITTEE NAME/ADDRESS

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

MO0103241			001 A		
PERMIT NUMBER			DISCHARGE NUMBER		
MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
2014	08	01	2014	08	31

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	*****		1.8	1.2	*****	Weekly	24 Hour Composite
Stage Type: End of Pipe	REQRMT	*****		Weekly Average: 45	Monthly Average: 30	*****	Weekly	24 Hour Composite
E. coli, colony forming units (CFU) (51041)	REPORTD	*****		*****	<20	<20	Weekly	Grab
Stage Type: End of Pipe	REQRMT	*****		*****	Weekly Average: 630	Monthly Average: 126	Weekly	Grab
Flow, in conduit or thru treatment plant (50030)	REPORTD	2.738	2.003	*****	*****	*****	Daily	Record
Stage Type: End of Pipe	REQRMT	Daily Maximum: Monitoring Required	Monthly Average: Monitoring Required	*****	*****	*****	Daily	Record
Nitrogen, ammonia total (as N) (00610)	REPORTD	*****		0.2	0.08	*****	Daily	Record
Stage Type: End of Pipe	REQRMT	*****		Daily Maximum: 5.6	Monthly Average: 1.2	*****	Weekly	Grab
Oil and grease (excl. ext. tot. (00550)	REPORTD	*****		<5.0	<5.0	*****	Monthly	Grab
Stage Type: End of Pipe	REQRMT	*****		Daily Maximum: 15	Monthly Average: 10	*****	Monthly	Grab
pH (00400)	REPORTD	*****		7.6	8.0	*****	Weekly	Grab
Stage Type: End of Pipe	REQRMT	*****		Minimum: 6	Maximum: 9	*****	Weekly	Grab
Temperature, water deg. centigrade (00010)	REPORTD	*****		25.9	24.6	*****	Weekly	Grab
Stage Type: End of Pipe	REQRMT	*****		Daily Maximum: Monitoring Required	Monthly Average: Monitoring Required	*****	Weekly	Grab

GENERAL PERMIT REQUIREMENTS OR COMMENTS:

CUT/FALL-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 ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

OPERATOR IN RESPONSIBLE CHARGE

Gary Hutchcraft		7305	
TYPED OR PRINTED NAME		CERTIFICATE NUMBER	
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	
Gary F Hutchcraft		573-365-0455	
TYPED OR PRINTED NAME		2014-09-05 10:28:01	
SIGNATURE		Date	

Page 1

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

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

PERMITTEE NAME/ADDRESS

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

MO0103241			001 A		
PERMIT NUMBER			DISCHARGE NUMBER		
MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
2014	08	01	2014	08	31

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

Parameter		MASS	Unit	CONCENTRATION	Unit	FREQUENCY OF ANALYSIS	SAMPLE TYPE	LAB CODE
Total Suspended Solids (TSS) (00530)	REPORTD	*****		2.0	1.3	*****	Weekly	24 Hour Composite
Stage Type: End of Pipe	REQRMT	*****		Weekly Average: 45	Monthly Average: 30	*****	Weekly	24 Hour Composite

GENERAL PERMIT REQUIREMENTS OR COMMENTS:

CUT/FALL-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 ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

OPERATOR IN RESPONSIBLE CHARGE

Gary Hutchcraft		7305	
TYPED OR PRINTED NAME		CERTIFICATE NUMBER	
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	
Gary F Hutchcraft		573-365-0455	
TYPED OR PRINTED NAME		2014-09-05 10:28:01	
SIGNATURE		Date	

Page 2

LAKE OZARKOSAGE BEACH WWTP
Operation Report

FOR AUGUST 2014

[illegible]

Use following abbreviations: B = rain, S = snow, D = overcast, C = clear, FC = partly cloudy

Approved by _____
City of El Paso

Assigned by: CH

3

1102

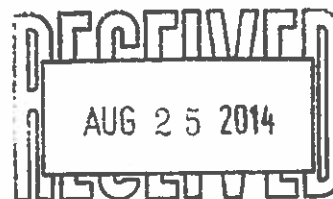
Environmental Analysis South, Inc

4000 East Jackson Blvd. - Jackson MO 63755 - 573-204-8817 - Fax 573-204-8818

Lake Ozark Regional WWTP
Alliance Lake of the Ozarks
P. O. Box 1985
Lake Ozarks, MO 65049

Report Number: 127083

Report of Analysis



Reference:

The analysis of biosolids from wastewater treatment facilities is conducted in accordance with 40 CFR Part 503.

Log Number: 1711728 Sample Description: Quarterly Sludge Sample Date: 7/21/2014 Sample Received Date: 7/22/2014

Coli S

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Fecal Coliform In Sludge	81,700	CFU/g	SM-9222 D-97		07/22/14	102
Total Solids Average	3.33	% w/w	SM-2540 G-97		07/22/14	102

Nutrients

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Phosphorus	33500	mg/Kg	SM-20 4500-P E-99		07/28/14	133

PAN Group

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Ammonia as Nitrogen	20,400	mg/Kg	Lachat-10-107-06-1-K		07/29/14	102
Kjeldahl Nitrogen	57,400	mg/Kg	Lachat-10-107-06-2-K		07/31/14	102
Nitrate as Nitrogen	< 65	mg/Kg	EPA-300.0 Rev. 2		07/28/14	133
Nitrite as Nitrogen	< 65	mg/Kg	EPA-300.0 Rev. 2		07/28/14	133
Organic Nitrogen	37,000	mg/Kg	Lachat-10-107-06-2-K		07/31/14	102
PAN - Subsurface Application	27800	ppm	Calculation		08/01/14	
PAN - Surface Application	21680	ppm	Calculation		08/01/14	127

Preparation Methods

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Anions IC Sample Preparation	1	Prep	SM-4110B-00		07/22/14	133
Metals ICP Sample Digestion	1	Prep	EPA-200.7 Rev. 4.4	PDC	08/05/14	

Environmental Analysis South, Inc

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Lake Ozark Regional WWTP
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Lake Ozarks, MO 65049

Report Number: 127083

Report of Analysis

Log Number: 1711728 Sample Description: Quarterly Sludge Sample Date: 7/21/2014 Sample Received Date: 7/22/2014

Solids

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Total Solids	3.08	% w/w	SM-2540 G-97		07/25/14	102

Total (Total Recoverable) Trace Metals

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Arsenic by ICP	3.1	mg/Kg	EPA-200.7 Rev. 4.4	PDC	08/05/14	
Cadmium	6.4	mg/Kg	SM-3111 B-99	PDC	08/05/14	
Chromium	58	mg/Kg	SM-3111 B-99	PDC	08/05/14	
Copper	560	mg/Kg	SM-3111 B-99	PDC	08/05/14	
Lead by ICP	26	mg/Kg	EPA-200.7 Rev. 4.4	PDC	08/05/14	
Mercury by Cold-Vapor Technique	0.90	mg/Kg	SM-3112 B-99	PDC	08/11/14	
Molybdenum by ICP	6.6	mg/Kg	EPA-200.7 Rev. 4.4	PDC	08/05/14	
Nickel	25	mg/Kg	SM-3111 B-99	PDC	08/05/14	
Potassium	2600	mg/Kg	SM-3111 B-99	PDC	08/05/14	
Selenium by ICP	< 2.0	mg/Kg	EPA-200.7 Rev. 4.4	PDC	08/05/14	
Zinc	1100	mg/Kg	SM-3111 B-99	PDC	08/05/14	

Respectfully submitted,



David F. Warren

Comments:

PDC This parameter or group of analytes was analyzed by the subcontracting lab - PDC Lab
Saint Louis, MO

127083

CHAIN OF CUSTODY RECORD

Sampler's Signature:

P.O. Box 1985

LAKE OZARK, MO 65049

☐ Rush Requested (Due Date:)

am 1. Februar 18

Date: 7/21/14 Time: 3:00 ☐ See Table

Additional Comments:

[illegible]

Revised June 29, 1999

FECAL COLIFORM IN SLUDGE

Standard Methods 18th edition method 9222D/SW-846 method 9132

Log #

1711728

Date:

7/22/2014

Analyst:

102

Total Solid calculation

Sample	Sample Size	Tare Weight	Tare Wt. + Res.	Residue Wt.	Final Result
Replicate	(grams)	(grams)	(grams)	(grams)	(%w/w)
A	29.0875	1.9335	2.9129	0.9794	3.37
B	35.4105	1.9302	3.1110	1.1808	3.33
C	29.3118	1.9155	2.8830	0.9675	3.3
D	26.0120	1.9058	2.7665	0.8607	3.31
E	27.0709	1.9062	2.8021	0.8959	3.31
F	28.9235	1.9105	2.8568	0.9463	3.27
G	27.6758	1.9126	2.8498	0.9372	3.39
				Average Total Solid	3.33

Colony Counts

Date:

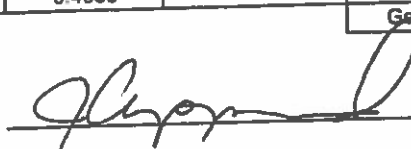
7/22/2014

Analyst:

102

Sample	Wt. Of Sample	Sample Size	Colony Count	Final Count
Replicate	(grams)	(mls - 0.1, 1.0, 10)	used	#/gram (dry)
A	0.4484	1	3	19,900
B	0.4594	1	72	471,000
C	0.3999	1	104	788,000
D	0.4070	1	<1	<7420
E	0.4079	1	2	14,800
F	0.3853	1	13	103,000
G	0.4060	1	80	581,000
Geometric Average				81,700

Approved by:



Environmental Analysis South, Inc.
Clarification Coagulant Sludges
Sludge Analysis

8/20/2014

Submitted by: Alliance Lake Ozarks					
Log Number: 1711728					
pH					
Coliform					
Parameter	Wet %	Wet ppm	Dry %	Dry ppm	lbs/dry Tons
Moisture			96.92		
Solids			3.08		
Volatile Solids					
Ash					
Nitrogen (TKN)	0.177%	1767.920	5.740%	57400.000	114.800
Nitrate N	0.000%	0.000	0.000%	ND	0.000
Nitrite N	0.000%	0.000	0.000%	ND	0.000
Ammonia N	0.063%	628.320	2.040%	20400.000	40.800
Organic N	0.114%	1139.600	3.700%	37000.000	74.000
PAN Surface Application	0.067%	667.744	2.168%	21680.000	43.360
PAN Subsurface Application	0.086%	856.240	2.780%	27800.000	55.600
Potassium (as K)	0.008%	80.080	0.260%	2600.000	5.200
Phosphorus (as P)	0.103%	1031.800	3.350%	33500.000	67.000
Arsenic (as As)	0.000%	0.095	0.000%	3.100	0.006
Cadmium (as Cd)	0.000%	0.197	0.001%	6.400	0.013
Chromium (as Cr)	0.000%	1.786	0.006%	58.000	0.116
Copper (as Cu)	0.002%	17.248	0.056%	560.000	1.120
Molybdenum (as Mo)	0.000%	0.203	0.001%	6.600	0.013
Nickel (as Ni)	0.000%	0.770	0.003%	25.000	0.050
Lead (as Pb)	0.000%	0.801	0.003%	26.000	0.052
Selenium (as Se)	ND	ND	ND	ND	ND
Zinc (as Zn)	0.003%	33.880	0.110%	1100.000	2.200
Mercury (as Hg)	0.000%	0.028	0.000%	0.900	0.002
code ND = none detected					
code NT = not tested					

