OSAGE BEACH / LAKE OZARK
JOINT SEWER BOARD MEETING
AGENDA
APRIL 21, 2015
4:00 p.m.
LAKE OZARK CITY HALL

1. **CALL TO ORDER**

2. **ROLL CALL**

   Mayor, Osage Beach, Penny Lyons
   Mayor, Lake Ozark, Johnnie Franzeskos
   City Administrator, Osage Beach, Jeana Woods
   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
   Resident Member, Mr. Gary Hamner

3. **MINUTES**

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4. **REPORTS**

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March, 2015 Alliance Report of Operations	33-52

5. **OLD BUSINESS**

   A. Magruder litigation

6. **NEW BUSINESS:** None at this time.

7. **DISCUSSION**

8. **ADJOURNMENT**

THE NEXT MEETING WILL BE MAY 19, 2015, 4:00 PM @ LAKE OZARK CITY HALL

LAKE OZARK - OSAGE BEACH
JOINT SEWER BOARD
Meeting Minutes – March 17, 2015

Call to Order:

Mayor Penny Lyons called the meeting to order at 4:00 p.m. on Tuesday, March 17, 2015 at Lake Ozark City Hall.

Roll Call:

Present: Penny Lyons, Mayor
Johnnie Franzeskos, Mayor
Dave Van Dee, City Administrator
Jeana Woods, City Administrator
Phyllis Marose, Alderman
Gerry Murawski , Alderman
Matt Michalik, Public Works Director

Absent: Gary Hamner – Resident
Nick Edelman – Public Works Director

Others Present: Eric Hibdon – Osage Beach Public Works
Gary Johnson, Alliance Div. Manager
Gary Hutchcraft, Plant Manager
Ed Rucker, City Attorney
Karri Bell, Osage Beach Treasurer

Minutes of Past Meeting:

Mayor Lyons requested a motion to approve the February 17, 2015 meeting minutes. With no changes or corrections, Ms. Marose motioned to approve the minutes as written; second by Mayor Franzeskos. 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 approval of payment of the bills. Second by Mr. Murawski. 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 February 2015 Alliance Reports and Flow Charts and presented his monthly summary report of operations. Copies of the reports and charts were included in the meeting packet.

The purchase of UV System supplies was discussed. A motion to a was made by Ms. Marose. To approve the bid of Xylem Inc. for wipers and brushes, in the amount of $2,856.56, and the bid of UV Doctor for bulbs and sleeves in the amount of $3,925.00. Her motion was seconded by Mayor Franzeskos with unanimous approval.

Mayor Lyons then requested a motion to approve the February 2015 Flow Chart. Mr. Van Dee motioned approval. Second by Ms. Murawski with unanimous approval.

Old Business:

Magruder update: Mayor Lyons and Mr. Rucker advised that there was nothing to report.

New Business: None at this time.

Other Discussion: None at this time.

Adjournment:

With nothing further to discuss, Mayor Lyons adjourned the meeting at 4:05 pm. The next scheduled meeting is Tuesday, April 21, 2015, 4:00 pm. at Lake Ozark City Hall.

Penny Lyons
Osage Beach Mayor

Kathy Vance
Lake Ozark Joint Sewer Clerk

JOINT SEWER BOARD
BILL LIST
April 21, 2015

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:	$	7,685.14
OPERATING FUND BILLS TO BE PAID:	$	29,385.71
EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:	$	-
EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:	$	-
TOTAL	$	37,070.85

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:

Account	Check	Paid To:	Description:		Amount:
4185	3435	Ameren Missouri	Mar 2015 Electric	$	4,820.60
4020	3436	Xylem Water Solutions	UB wipers and brushes	$	2,864.54
			TOTAL	$	7,685.14

OPERATING FUND BILLS TO BE PAID:

Account	Check	Paid To:	Description:		Amount:
4000	3437	Equipment Replacement Fund	Payment into ER Fund	$	3,467.17
4160	3438	Alliance Water Resources, Inc.	Hauled Waste	$	550.00
4170	3439	Alliance Water Resources, Inc.	April 2015 Management Fee	$	24,686.09
4020	3440	Alliance Water Resources, Inc.	Maintenance & Repair	$	365.50
4150	3440	Alliance Water Resources, Inc.	Blower Motor & Water Pump	$	316.95
				$	29,385.71

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
				$	-

Ameren MISSOURI

Please Return This Portion With Your Payment.

☐ Pure Power

$205.22	Apr 22, 2015
$208.30	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

RECEIVED APR 10 2015

50633000 0055800059200 000000205220 000000205220

Keep This Portion For Your Records

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

	Apr 10, 2015

	Apr 22, 2015	$205.22
	May 1, 2015	$208.30

Payment Received on Mar 23, 2015	$135.53
Payment Received on Mar 23, 2015	$177.95
Payment Received on Mar 24, 2015	$135.53

Total kWh	98041275	03/09-04/08	30	8175.0000	8418.0000	243.0000	10.0000	2430.0000A
Peak kW	98041275	03/09-04/08	30	0.0000	5.0340	5.0340	10.0000	50.3400A

SUMMARY

	Service To			Service To	
Total kWh	04/08/2015	2430.0000	Winter Base kWh	04/08/2015	1860.0000
Current Base kWh	04/08/2015	1860.0000	Seasonal kWh	04/08/2015	570.0000

METERED ELECTRIC SERVICE BILLING

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

Service From 03/09/2015 To 04/08/2015

Base Energy Charge	1,860.00 kWh	@	$.07710000	$143.41	
Seasonal Energy Charge	570.00 kWh	@	$.04450000	$25.37	
Customer Charge				$19.54	
Fuel Adjustment Charge	2,430.00 kWh	@	$.00422000	$10.25	
Energy Efficiency Pgm Charge	2,430.00 kWh	@	$.00030000	$0.73	
Energy Efficiency Invest Chg	2,430.00 kWh	@	$.00243500	$5.92	
Total Service Amount					$205.22

Current Amount Due	$205.22
Prior Amount Due	$0.00
Total Amount Due	$205.22

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.

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

Ameren MISSOURI

Please Return This Portion With Your Payment.

$4,615.38	Apr 22, 2015
$4,684.61	45800-05832

Amount Enclosed $_____

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

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

RECEIVED APR 1 0 2015

80600000 0045800058302 000004615380 000004615380

Keep This Portion For Your Records

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

	Apr 10, 2015
Apr 22, 2015	$4,615.38
May 1, 2015	$4,684.61

Payment Received on Mar 23, 2015 $3,723.41
Payment Received on Mar 23, 2015 $3,811.35
Payment Received on Mar 24, 2015 $3,811.35

Total kWh	11673321	03/09-04/08	30	27315.0000	27801.0000	486.0000	160.0000	77760.0000A
Peak kW	11673321	03/09-04/08	30	0.0000	1.3100	1.3100	160.0000	209.6000A

SUMMARY

	Service To			Service To	
Total kWh	04/08/2015	77760.0000	Peak kW	04/08/2015	209.6000
Total Billing Demand	04/08/2015	209.6000	October Winter Base kW	04/08/2015	129.0000
Winter Base Demand	04/08/2015	129.0000	Base kWh Ratio	04/08/2015	0.6154
Base kWh (RUD)	04/08/2015	47854.0000	Seasonal kWh (RUD)	04/08/2015	29906.0000

METERED ELECTRIC SERVICE BILLING

Rate 3M Large General Service — Service From 03/09/2015 To 04/08/2015

Seasonal Energy Charge	29,906.00	kWh	@ $.03630000	$1,085.59	
Demand Charge	209.60	kW	@ $1.71000000	$358.42	
Base Energy Chg / Hours Used	19,350.00	kWh	@ $.06230000	$1,205.51	
Base Energy Chg / Hours Used	25,800.00	kWh	@ $.04620000	$1,191.96	
Base Energy Chg / Hours Used	2,704.00	kWh	@ $.03630000	$98.16	
Customer Charge				$88.02	
Fuel Adjustment Charge	77,760.00	kWh	@ $.00422000	$328.15	
Energy Efficiency Pgm Charge	77,760.00	kWh	@ $.00050000	$38.88	
Energy Efficiency Invest Chg	77,760.00	kWh	@ $.00356300	$277.06	
Total Service Amount					$4,672.55

MISCELLANEOUS CHARGES

Credit	CR	$57.17

Current Amount Due	$4,615.38
Prior Amount Due	$0.00
Total Amount Due	$4,615.38

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.

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

Xylem Water Solutions U.S.A., Inc.

14125 SOUTH BRIDGE CIRCLE
CHARLOTTE, NC 28273
Tel.(704)409-9700 Fax:(704)716-7610

REMIT TO
26717 Network Place
Chicago, IL 60673-1267

INVOICE			YOUR PURCHASE ORDER GARY031715
INVOICE NO 3556831695	FUS NO. A00830	DATE SHIPPED 3/18/15	DELIVERY NOTE C29006
INVOICE DATE 3/18/15	TRN A3 / WHS 115	PAYMENT TERMS 100% N30 FROM INVOICE	

Sold To:

Customer No. 145733
Global No. 8012828

JOINT SEWER BOARD
3 ANDERSON RD
PO BOX 1985

LAKE OZARK MO 65049

Ship To:

ALLIANCE WATER RESOURCES
ATTN: GARY HUTCHCRAFT
3 ANDERSON ROAD
LAKE OZARK MO 65049

INCO TERMS	DELIVERY TERMS	ORDER PROCESSED BY
FCA US WH/ Factory	PP/Add Actual surcha	WEDECO-CHARLOTTE,NC
SHIP VIA FedEx PKG Ground Business	ORDER TEXT	CUSTOMER TEXT JULIE

LINE	ITEM DESCRIPTION	QUANTITY SHIPPED UM	UNIT PRICE DISCOUNT/CHARGE	NET PRICE	EXTENDED AMOUNT
001	7600000036392 BRUSH,TAK, SS FOR NEW SENSOR OLD NUMBER: I36392	8 EA	19.57	19.570	156.56
002	7600000038720 WIPER HOLDER 063X15 INCL. PTFE OLD NUMBER: I38720	150 EA	18.00	18.000	2,700.00
	SUB-TOTAL OF POSITIONS				2,856.56
	PLUS ACTUAL S & H CHARGES				7.98
	TOTAL WEIGHT 7.000 LBS				
	NET AMOUNT BEFORE TAXES USD				2,864.54

DISPATCH INFO: 629336064613

4020

ORDER TOTAL USD 2,864.54

IMPORTANT: This invoice is governed by and subject to Xylem Water Solutions U.S.A., Inc. General Terms and Conditions of Sale. Different terms are hereby rejected unless expressly agreed to in writing. Terms are accessible at http://www.xylemwatersolutions.com/scs/usa/en/Pages/General-Terms-and-Conditions-of-Sale.aspx

Alliance Water Resources, Inc.

Professional Water and Wastewater Operations
206 South Keene Street
Columbia, Missouri 65201
(573) 874-8080 Fax (573) 443-0833

INVOICE

Invoice No:	6406
Invoice Date:	31-Mar-15
Customer No:	20220
Terms:	30 days

SOLD TO:

Lake Ozark/Osage Beach Joint Utility Board
c/o Karri Bell
City of Osage Beach
1000 City Parkway
Osage Beach, MO 65065

REFERENCE	DESCRIPTION	AMOUNT
	Hauled waste payments for the month of Mar-15	
	11 Hauled waste loads @ $50.00 each	$550.00
	TOTAL DUE	$550.00

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

INVOICE

Invoice No: 6406

01-Apr-15

SOLD TO.

Lake Ozark/Osage Beach Joint Utility Board
c/o Karri Bell
City of Osage Beach
1000 City Parkway
Osage Beach, MO 65065

Customer No: 20220

Terms: 30 days

REFERENCE	DESCRIPTION	AMOUNT
	Wastewater Plant operating service for month of. Apr-15	
	Base Fee	$24,686.09
	TOTAL DUE	$24,686.09

Alliance Water Resources, Inc.

Professional Water and Wastewater Operations
206 South Keene Street
Columbia, Missouri 65201
(573) 874-8080 Fax (573) 443-0833

INVOICE

Invoice No:	6407
Invoice Date:	01-Apr-15
Customer No:	20220
Terms:	30 days

SOLD TO:

Lake Ozark/Osage Beach Joint Utility Board
c/o Karri Bell
City of Osage Beach
1000 City Parkway
Osage Beach, MO 65065

REFERENCE	DESCRIPTION	AMOUNT
	John Henry Foster - 2 Invoices - 50% 4020	$157.44
	Bad Apple Enterprises - 1 invoice - 50% 4150	$316.95
	Cole Poarmer - 1 invoice - 50% 4020	$114.20
	Handling Systems Inc. - 1 invoice - 50% 4020	$93.86
	TOTAL DUE	$682.45

John Henry Foster

pneumatic and hydraulic equipment www.jhf.com

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

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

We accept Visa and Mastercard

Invoice #	01405152
Page #	1
Date	03/13/2015

** ORIGINAL INVOICE **

Account #:

SOLD TO
30796
ALLIANCE WATER RESOURCES
#3 ANDERSON ROAD
P.O. BOX #1985
LAKE OZARK, MO 65049-

SHIP TO
30796
ALLIANCE WATER RESOURCES
#3 ANDERSON ROAD
P.O. BOX #1985
LAKE OZARK, MO 65049-

Customer PO Number	Ship Date	Salesperson	Terms	Order Date
VERBAL GARY	03/13/2015	House Account	Net 20 Days	03/12/2015

JHF Order #	Order Entered By	Placed By	Ship Via	Secondary Ship Via
01673398	Kevin Opel	GARY HUTCHCRAFT	UPS	Best Way

Part Number / Description	Ordered	Shipped	Backorder	Price Ea.	Extension
95099453 I-R V-BELT A58 V-BELT	1	1	0	24 00	24 00
32282196 I-R AIR INTAKE FILTER ELEMENT	1	1	0	25 00	25 00
85565505 I-R FILTER ELEMENT FOR F35IG	1	0	1	70 00	0 00
85565513 I-R F35IHE FILTER ELEMENT	1	1	0	70.00	70.00
88347497 IR DESICCANT REPLACEMENT KIT -40 DEWPOINT	1	0	1	70.00	0.00
85565539 I-R FILTER ELEMENT FOR F35ID	1	0	1	76.00	0 00

1220

Tracking #(s): 1Z6655700364811732

GL Acct#: 6705-20 $79.07 1220-20 $68.23

Signature: [signature]

Date: 3/19/15

How are we doing? How can we help you?

Please send us a note. feedback@jhf.com

Review and place orders at www.jhf.com!

Subtotal	Freight	Sales Tax	TOTAL
119.00	17.46	10.84	147.30

QF-03-02 10-1-2005

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

John Henry Foster

pneumatic and hydraulic equipment www.jhf.com

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

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

We accept Visa and Mastercard

Invoice #	01407044
Page #	1
Date	03/20/2015

** ORIGINAL INVOICE **

SOLD TO
Account #: 30796
ALLIANCE WATER RESOURCES
#3 ANDERSON ROAD
P.O. BOX #1985
LAKE OZARK, MO 65049-

SHIP TO
30796
ALLIANCE WATER RESOURCES
#3 ANDERSON ROAD
P.O. BOX #1985
LAKE OZARK, MO 65049-

Customer PO Number	Ship Date	Salesperson	Terms	Order Date
VERBAL GARY	03/20/2015	House Account	Net 20 Days	03/12/2015

JHF Order #	Order Entered By	Placed By	Ship Via	Secondary Ship Via
01673398	Kevin Opel	GARY HUTCHCRAFT	UPS	Best Way

Part Number / Description	Ordered	Shipped	Backorder	Price Ea.	Extension
85565505 I-R FILTER ELEMENT FOR F35IG	1	0	1	70 00	0 00
88347497 IR DESICCANT REPLACEMENT KIT -40 DEWPOINT	1	1	0	70 00	70 00
85565539 I-R FILTER ELEMENT FOR F35ID	1	1	0	76.00	76 00

Tracking #(s): 1Z6655700364811732,1Z6655700366720774,1Z6655700366720774,1Z6655700366188583

RECEIVED

GL Acct#: 6705-20 $102.51 1220-20 $89.21

Signature: Gary Hutchcraft

Date: 3/24/15

How are we doing? How can we help you?

Please send us a note. feedback@jhf.com

Review and place orders at www.jhf.com!

Subtotal	Freight	Sales Tax	TOTAL
146.00	32.42	13.30	191.72

OF-03-02 10-1-2005

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

Bad Apple Enterprises, LLC
[illegible] ALLEN RD.
[illegible]DON, MO 65026

Invoice

Date	Invoice #
3/6/2015	1603

Bill To

ALLIANCE WATER RESOURCE
PO BOX 1985
LAKE OZARK, MO 65049

P.O. No.	Terms	Due Date	Account #	Project
		3/6/2015		GH - DAKOTA

Description	Qty	Rate	Amount
DIAGNOSE AND REPAIR BLOWER MOTOR, RELAY AND WATER PUMP	5.5	60.00	330 00
BLOWER MOTOR	1	100.00	100.00T
WATER PUMP	1	189.90	189.90T
RESISTER	1	13.99	13 99T
Sales Tax		5.225%	15 88

V/22

GL Acct#: 6702-20 $332.82 1220-20 $316.95

Signature: Gary Hutchcroft

Date: 3/10/15

Total	$649.77
Payments/Credits	$0.00
Balance Due	$649.77

Phone #	Fax #	Web Site
573-715-0767	855-768-8361	badapplecustoms.com

Cole-Parmer®
Delivering Solutions You Trust

Invoice

Phone: 1-847-549-7600
Fax: 1-847-247-2929
Web: WWW.COLEPARMER.COM

Remittance Address
13927 Collections Center Drive Chicago, IL 60693-0139

Federal Tax ID	Duns #
36-2360953	00-885-2253

Invoice #	PO #
9165634	GHUTCHCRAFT021815
Invoice Date	**Invoice Amount**
03/02/2015	$228.40
Reference #	**Terms**
7519925-00	Net 30 Days

Billing Address 645024-02

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

Shipping Address 645024-01

ALLIANCE WATER RESOURCES
GARY HUTCHCRAFT
3 ANDERSON RD
LAKE OZARK, MO 65049
U.S.A.

Shipping Info: SHIPPED 03/02/2015, FDX.GND, 1 CARTON(S), 2 lbs TOTAL WEIGHT, TRACKING NUMBER(S): 961301906005558357707 6

Invoice Comments: SERVICE RETURN 502180188 ORIGINAL REF# 7203666-00 Service Return: 502180188

Line	Qty Ord	UOM	Item#	Description	Shipped	Back-Ordered	Unit Price	Extended Price
1	1	EA	99999-62	THERMOMETER -20 - 110C Serial Number(s): J90733 NIST TRACEABLE CALIBRATION 1 YR INTERVAL S/N J90733 TEST PTS: 0, 4, 20, 37, 44.5 AND 103C SERIAL#: J90733	1			N/C
2	1	EA	17006-05	NIST CERT GLASS THERM 5-9PTS NIST TRACEABLE CALIBRATION 0, 4, 20, 37, 44.5 AND 103C.	1		215.000	215.00

SUB-TOTAL ---------->	215.00
FREIGHT AMOUNT ---------->	13.40
TAX AMOUNT ---------->	.00
OTHER CHARGES ---------->	.00
PLEASE PAY THIS TOTAL AMOUNT ---------->	$228.40
DUE DATE -------->	04/01/2015

NOTES:
ORDER PLACED BY GARY HUTCHCRAFT, PHONE # 573-365-0455

Would you like to receive your invoices via email or fax rather than a hard copy through the mail? If so, just contact Craig Benfield by phone 888-358-4714 x490214 or by email at craig.benfield@coleparmer.com with your preferred fax number or email address.

GL Acct#: 6705-20 $114.20 1220-20 $114.20

Signature: Gary Hutchcraft

Date: 3/10/15

Handling Systems, Inc.
275 Northwest Blvd.
Fenton, Missouri 63026
Phone: 314-842-7263
Fax: 636-326-5606
www.handlingsys.com

INVOICE

Date	Invoice No.
3/10/2015	21102

Bill To	Account #
Alliance Water Resources PO Box 1985 #3 Anderson Road Lake Ozark, MO 65049	

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

Job Description		Parts				
P.O. No.	Order Date	Ship Date	Ship Via	Terms	Due Date	Rep
Verbal Gary		3/10/2015	UPS	Net 30	4/9/2015	TS

Item	Qty	Description	Serviced	Price	Amount
Miscellaneo...	1	2 Ton Yale KEL Series		165.00	165.00T
Freight		Freight		22.72	22.72

4622

RECEIVED

GL Acct#: 6705-20 $93.86 1220-20 $93.86
Signature: Mary Stutelberg
Date: 3/13/15

Thank you for this order!	CODE:		Subtotal	$187.72
			Sales Tax (0.0%)	$0.00
			Total	$187.72

A 1.5% per month handling charge will be made and invoiced on all accounts over 30 days old.

MONTH-TO-DATE AND YEAR-TO-DATE
REVENUE/BUDGET ANALYSIS
3/31/2015

Account Number	Account Name	2013 Actual	2014 Actual	2015 Budget	2015 Actual as of 3/31/2015	2015 March Revenue	Percent YTD
3020	Osage Beach	452,145.77	464,343.06	467,500.00	119,843.99	39,675.29	26%
3010	Lake Ozark	92,854.22	85,716.93	82,500.00	17,656.00	6,158.04	21%
3100	Interest	34.50	31.18	30.00	10.13	3.87	34%
3060	Waste Haulers' Fee	41,460.00	34,340.00	38,000.00	5,400.00	1,100.00	14%
	Total Operating Fund	586,494.49	584,431.17	588,030.00	142,910.12	46,937.20	24%
	E/R Fund Income	1,320.11	1,025.06	1,200.00	363.29	53.45	30%
	TOTAL INCOME	587,814.60	585,456.23	589,230.00	143,273.41	46,990.65	24%

MONTH-TO-DATE AND YEAR-TO-DATE
EXPENDITURE/BUDGET ANALYSIS
3/31/2015

Account Number	Account Name	2013 Actual	2014 Actual	2015 Budget	2015 Actual as of 3/31/2015	2015 March Expenses	Percent YTD
4000	Equipment Replace Fund	41,606.04	41,606.04	41,606.04	10,401.51	3,467.17	25%
4010	ERF Repayment	27,961.44	0.00	0.00	0.00	0.00	
4020	*Maintenance & Repair	19,273.37	58,873.44	88,800.00	88.99	0.00	0%
4140	Insurance	15,489.00	16,502.00	17,000.00	16,735.00	16,735.00	98%
4150	***Vehicle Repair/Maint	1,352.11	9,186.16	3,000.00	57.92	0.00	2%
4160	Haulers Fees to Contractor	8,000.00	8,000.00	8,000.00	2,150.00	1,050.00	27%
4170	Contract Management	281,409.84	288,445.08	295,657.05	74,058.27	24,686.09	25%
4185	Electric	71,923.84	70,366.40	75,000.00	11,886.91	3,931.36	16%
4200	Audit	1,750.00	1,900.00	2,000.00	0.00	0.00	0%
4220	Professional Service	119,683.73	43,038.41	30,000.00	0.00	0.00	0%
4240	Capital Purchases	5,748.00	0.00	30,000.00	0.00	0.00	0%
	Totals	594,197.37	537,917.53	591,063.09	115,378.60	49,869.62	20%
	**E/R Expenses	4,260.00	9,429.93	17,000.00	0.00	0.00	0%
	TOTAL EXPENSES	598,457.37	547,347.46	608,063.09	115,378.60	49,869.62	19%

****Equipment & Replacement**

Normal E/R	10,000.00
Rebuild Arm Support Clarifier #1 & 2	5,000.00
Replace doors	2,000.00
	17,000.00

*****Vehicle Repair/Maint**

Vehicle Maintenance	3,000.00
	3,000.00

***Maintenance & Repair**

Auto Dialer Yrly Software Fee	500.00
Expanded Effluent testing Renewal Fee	1,000.00
Normal Maintenance	8,000.00
UV Spare Parts	8,000.00
Backup Hach Do meter & probe	2,100.00
Parking Lot Sealing & Crack filling	1,200.00
Painting all 5 Buildings inside fence	10,000.00
Rock for Road	2,000.00
Strip and refinish tile in Admin Bldg	1,000.00
#1 Aeration Basin grit removal	55,000.00
	88,800.00

OPERATING FUND INCOME AND EXPENSE SUMMARY
3/31/2015

Beginning Balance	105,864.40
Income - Osage Beach	39,675.29
Income - Lake Ozark	6,158.04
Income - Other	0.00
Income - Waste Haulers' Fees	1,100.00
Interest - Checking	3.87
Income - CD Interest	0.00
Transfers From E/R Fund	0.00
Transfers to E/R fund	-3,467.17
Expenses	-46,402.45
Ending Fund Balance	**102,931.98**
NOW Account - Central Bank	102,931.98
Outstanding Checks:	0.00
Deposit in Transit:	0.00
	102,931.98

EQUIPMENT REPLACEMENT FUND INCOME AND EXPENSE SUMMARY
3/31/2015

Beginning Balance	416,103.26
Interest - Checking	53.45
Income - CD Interest	0.00
Transfers From E/R Fund	0.00
Transfers to E/R Fund	3,467.17
Income - Miscellaneous	0.00
Expenses	0.00
Ending Fund Balance	**419,623.88**
NOW Account - First Bank	129,182.85
CD First National Bank, 07/15 #000048178	113,736.85
CD Providence Bank, 07/15 #1268880	76,704.18
CD First Bank of the Lake, 01/16 #101318429	100,000.00
Deposit in Transit	0.00
Outstanding Checks:	0.00
	419,623.88

Operating Fund

CHECK REGISTER - JOINT SEWER BOARD OPERATION FUND

	reconciled balance 10/31/14				**105,698.33**
3408	Zerger & Mauer	X	4,208.78		101,489.55
3410	Ameren UE	X	4,663.09		96,826.46
3411	ER Fund Transfer	X	3,467.17		93,359.29
3412	Alliance Water Resources, Inc.	X	24,037.09		69,322.20
3413	Alliance Water Resources, Inc.	X	1,132.51		68,189.69
	Deposit	X		39,272.63	107,462.32
	Deposit	X		6,560.70	114,023.02
	Deposit	X		2,120.00	116,143.02
	Deposit	X		2,756.75	118,899.77
	Interest	X		3.65	118,903.42
	reconciled balance 11/30/14				**118,903.42**
3414	Zerger & Mauer	X	5,946.82		112,956.60
3415	Lake Sun Leader	X	87.75		112,868.85
3416	Ameren UE	X	3,864.34		109,004.51
3417	ER Fund Transfer	X	3,467.17		105,537.34
3418	Alliance Water Resources, Inc.	X	24,037.09		81,500.25
3419	Zerger & Mauer	X	2,354.46		79,145.79
3420	Hogans	X	43,858.00		35,287.79
3421	Bad Apple	X	7,204.65		28,083.14
	Deposit	X		39,472.40	67,555.54
	Deposit	X		6,360.94	73,916.48
	Deposit	X		1,480.00	75,396.48
	Interest	X		3.98	75,400.46
	reconciled balance 12/31/14				**75,400.46**
3422	Ameren UE	X	4,008.67		71,391.79
3423	Alliance Water Resources, Inc.	X	24,686.09		46,705.70
3424	ER Fund Transfer	X	3,467.17		43,238.53
	Deposit	X		39,726.92	82,965.45
	Deposit	X		6,106.41	89,071.86
	Deposit	X		2,200.00	91,271.86
	Interest	X		2.90	91,274.76
	reconciled balance 1/31/15				**91,274.76**
3426	Alliance Water Resources, Inc.	X	1,100.00		90,174.76
3427	Alliance Water Resources, Inc.	X	24,686.09		65,488.67
3428	Alliance Water Resources, Inc.	X	146.91		65,341.76
3429	ER Fund Transfer	X	3,467.17		61,874.59
	Deposit	X		45,833.33	107,707.92
	Deposit	X		2,100.00	109,807.92
	Interest	X		3.36	109,811.28
	reconciled balance 2/28/15				**109,811.28**
3430	Ameren UE	X	7,848.24		101,963.04
3431	ER Fund Transfer	X	3,467.17		98,495.87
3432	Alliance Water Resources, Inc.	X	1,050.00		97,445.87
3433	Alliance Water Resources, Inc.	X	24,686.09		72,759.78
3434	Naught Naught	X	16,735.00	-	56,024.78
	Bank Charge - Stop Pay	X	30.00		55,994.78
	Deposit LO	X		6,158.04	62,152.82
	Deposit OB	X		39,675.29	101,828.11
	Deposit	X		1,100.00	102,928.11
	Interest	X		3.87	102,931.98
	reconciled balance 3/31/15				**102,931.98**

Central Bank
of Lake of the Ozarks

P.O. Box 1500, Lebanon, MO 65536
(573) 348-2761

001120

Return Service Requested

Fee changes effective May 1, 2015
Domestic/International Wire In=$15,
International Wire Out=$50, Truncated
Statement=$2, Imaged Statement=$3, Dual
Signature Verification=$1 per item,
Return Deposit Item=$5 50 each

Period	Page
03/01/2015-03/31/2015	1 of 2

Web Address
www cbolobank com

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

M

Your Financial Summary on March 31, 2015

Account Balances & Other Assets

Checking	$	102,931 98
Total	$	102,931.98

Detailed Explanation of Account Balances and Other Assets

Basic Plus Interest Checking

No.	Beginning Balance February 27, 2015	$	109,811.28
Deposits			
Mar 17 Deposit			6,158 04
Mar. 17 Deposit			39,675 29
Mar 19 Deposit			1,100 00
Mar. 31 Interest Earned			3 87
	Total	+$	46,937.20

Checks

Check No.	Date Paid	Amount	Check No	Date Paid	Amount
3430	Mar 24	7,848 24	3433	Mar 19	24,686 09
3431	Mar. 20	3,467 17	3434	Mar. 24	16,735 00
3432	Mar 19	1,050 00			

Total	-$	53,786.50

Withdrawals and other charges

Date	Type	Transaction Description	
Mar. 11	Stop Payment Order Fee		30 00
		Total -$	30.00

Ending Balance March 31, 2015	$	102,931.98

Number of days since last statement/interest cycle	31
Beginning and ending dates for calculation of statement/interest cycle are 03/01/2015 through 03/31/2015	
Average collected balance	113,918 00
Interest rate	0 04%
Annual percentage yield earned	0 04%

CHECK REGISTER - JOINT SEWER BOARD EQUIPMENT REPLACEMENT FUND

	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**
	Interest	X		18.64	105,809.38
	Deposit	X		3,467.17	109,276.55
	reconciled balance 9/30/14				**109,276.55**
	Interest	X		18.71	109,295.26
	Deposit	X		3,467.17	112,762.43
	reconciled balance 10/31/14				**112,762.43**
	Interest	X		17.32	112,779.75
1008	Check	X	2,756.75		110,023.00
	Deposit	X		3,467.17	113,490.17
	reconciled balance 11/30/14				**113,490.17**
	Interest	X		20.64	113,510.81
	Deposit	X		3,467.17	116,977.98
	reconciled balance 12/31/14				**116,977.98**
	Deposit	X		101,711.25	218,689.23
	Deposit	X		3,467.17	222,156.40
	CD	X	100,000.00		122,156.40
	Interest	X		19.88	122,176.28
	reconciled balance 1/31/15				**122,176.28**
	Deposit	X		3,467.17	125,643.45
	Interest	X		18.78	125,662.23
	reconciled balance 2/28/15				**125,662.23**
	Deposit	X		3,467.17	129,129.40
	Interest	X		53.45	129,182.85
	reconciled balance 3/31/15				**129,182.85**

FIRST BANK OF THE LAKE

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

536 00010 26
ACCOUNT:
DOCUMENTS:

: 1
:1/2015

67

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

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 recieve 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/deposits/unlimited/expiration.html

BUSINESS MMDA ACCOUNT

LAST STATEMENT 02/27/15	125,662.23
2 CREDITS	3,520.62
DEBITS	.00
THIS STATEMENT 03/31/15	129,182.85

- - - - - - - - - - - DEPOSITS - - - - - - - - - -

REF #.....	DATE.....	AMOUNT	REF #.....	DATE.....	AMOUNT	REF #.....	DATE.....	AMOUNT
	03/19	3,467.17						

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

DESCRIPTION	DATE	AMOUNT
INTEREST	03/31	53.45

- - - - - - - - - - - I N T E R E S T - - - - - - - - - -

AVERAGE LEDGER BALANCE:	127,070.76	INTEREST EARNED:	53.45
AVERAGE AVAILABLE BALANCE:	126,637.37	DAYS IN PERIOD:	32
INTEREST PAID THIS PERIOD:	53.45	ANNUAL PERCENTAGE YIELD EARNED:	.48%
INTEREST PAID 2015:	92.11		

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

WATER RESOURCES®
Alliance
Professional Water and Wastewater Operations

OPERATING DIVISIONS

MISSOURI

Atchison County
Bonne Terre
Boonville
Bowling Green
Buchanan County #1
Cameron
Cape Girardeau
Craig
East Central Missouri Water & Sewer Authority
Elsberry
Fayette
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
Rails 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 March 2015

Submitted by Alliance Water Resources, Inc. for the

April 2015

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 Coliform Colonies/100 ml	Ammonia as N mg/L	O&G mg/L	Metals Selenium ug/L
Monthly Average	2.0	3.1	NA	0	.15	<5.0	NA
Peak Day	2.6	3.8	8.0	0	.40	<5.0	NA
Percent Removal	99.1	98.8	NA	NA	NA	NA	NA

NPDES EFFLUENT LIMITATIONS

	BOD mg/l	TSS mg/l	pH	E.coli Coliform Colonies/100 ml	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 1.223 MGD or 41% 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 69884 pounds of BOD.

BIOSOLIDS APPLICATION AND INVENTORY

Plant personnel land applied 34 tanker loads of bio-solids during the month equivalent to a total of 125,800 gallons and 38,603 pounds dry weight solids.

62,672 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 615,000 gallons with a level of 5.5 feet in Tank 1 and 6.5 feet in Tank 2.

WASTEHAULERS

The plant received 11 loads of septage during the month totaling 27,500 gallons.

WWTP OPERATIONS

- Decanting digesters and wasting weekly.
- Normal operations.
- We put Clarifier #3 back online on the 20th.
- We installed the UV banks back in the UV channel on the 25th.
- We ran a process control E-coli test on the 27th and the results were < 20 / 100mls.

WWTP MAINTENANCE AND REPAIR

- Performed routine maintenance throughout the month as per Antero Maintenance Data Management schedule. (New version of Operator 10 Software)
- We repaired 1 outer band and replaced 1 of the wiper cylinders with the spare on the UV system on the 11th in preparation of the startup. We also had to change out 4 bulbs at startup which 2 are still under warranty and 2 were old Wedeco bulbs with over 16,000 hours.

SAFETY

- We conducted our monthly routine Safety Meeting on Back / Lifting Safely on the 13th of March and had a new required Safety Meeting on Cranes & Hoist on the 19th of March.

REGULATORY AGENCY, INSPECTION AND REPORTS

- We filled out the EDMR on MDNR website on the 8th of April
- We received our first quarter 503 sludge results on the 8th of April and everything looked good. (see attachement)

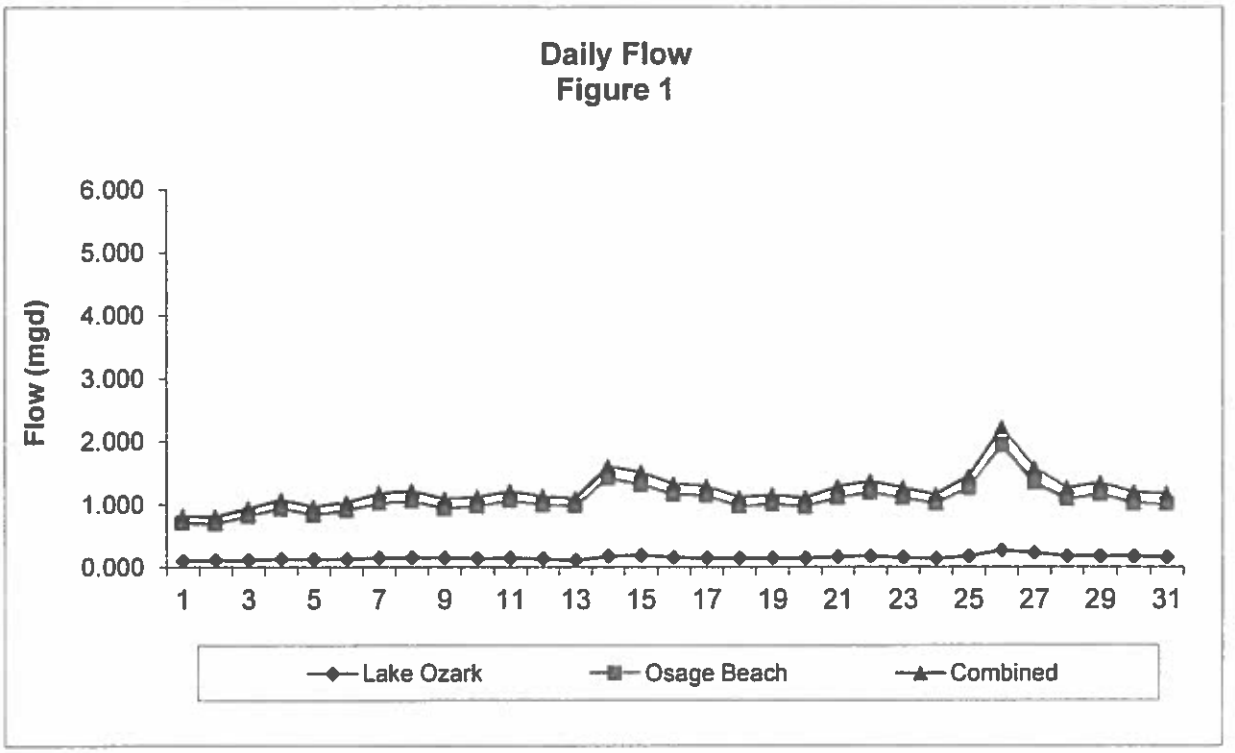
MISCELLANEOUS AND RECOMMENDATIONS

TABLE A
LAKE OZARK/OSAGE BEACH WWTP

MONTH OF March 2015

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-Mar	**0.4**	**0.112**	**0.703**	**0.815**	**13.7**	**86.3**						
2-Mar	0.1	0.116	0.690	0.806	14.4	85.6						
3-Mar	0	0.120	0.812	0.932	12.9	87.1						
4-Mar	0.3	0.138	0.933	1.071	12.9	87.1						
5-Mar	0.1	0.131	0.829	0.960	13.6	86.4						
6-Mar	0	0.134	0.898	1.032	13.0	87.0	183	238	218	122	274	232
7-Mar	**0**	**0.156**	**1.017**	**1.173**	**13.3**	**86.7**						
8-Mar	**0**	**0.158**	**1.052**	**1.210**	**13.1**	**86.9**						
9-Mar	0	0.156	0.930	1.086	14.4	85.6						
10-Mar	0.5	0.143	0.971	1.114	12.8	87.2						
11-Mar	0	0.150	1.057	1.207	12.4	87.6						
12-Mar	0	0.138	0.989	1.127	12.2	87.8						
13-Mar	0.25	0.119	0.977	1.096	10.9	89.1	193	243	238	170	206	252
14-Mar	**0.7**	**0.179**	**1.418**	**1.597**	**11.2**	**88.8**						
15-Mar	**0**	**0.196**	**1.313**	**1.509**	**13.0**	**87.0**						
16-Mar	0	0.160	1.159	1.319	12.1	87.9						
17-Mar	0	0.149	1.137	1.286	11.6	88.4						
18-Mar	0	0.145	0.966	1.111	13.1	86.9						
19-Mar	0.3	0.149	1.000	1.149	13.0	87.0						
20-Mar	0.1	0.145	0.958	1.103	13.1	86.9	158	298	273	120	258	312
21-Mar	**0**	**0.172**	**1.108**	**1.280**	**13.4**	**86.6**						
22-Mar	**0**	**0.180**	**1.184**	**1.364**	**13.2**	**86.8**						
23-Mar	0	0.153	1.101	1.254	12.2	87.8						
24-Mar	0.3	0.142	1.008	1.150	12.3	87.7						
25-Mar	0.4	0.179	1.262	1.441	12.4	87.6						
26-Mar	1	0.274	1.935	2.209	12.4	87.6						
27-Mar	0	0.233	1.338	1.571	14.8	85.2	165	240	155	148	340	262
28-Mar	**0**	**0.178**	**1.076**	**1.254**	**14.2**	**85.8**						
29-Mar	**0**	**0.177**	**1.159**	**1.336**	**13.2**	**86.8**						
30-Mar	0	0.176	1.014	1.190	14.8	85.2						
31-Mar	0	0.162	1.002	1.164	13.9	86.1						
SUM	4.5	4.920	32.996	37.916								
AVG		0.159	1.064	1.223	13	87	175	255	221	140	270	265

NOTE: BOLD PRINT INDICATES WEEKEND DAYS


Daily Flow
Figure 1
Flow (mgd)
6.000
5.000
4.000
3.000
2.000
1.000
0.000
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31
Lake Ozark
Osage Beach
Combined

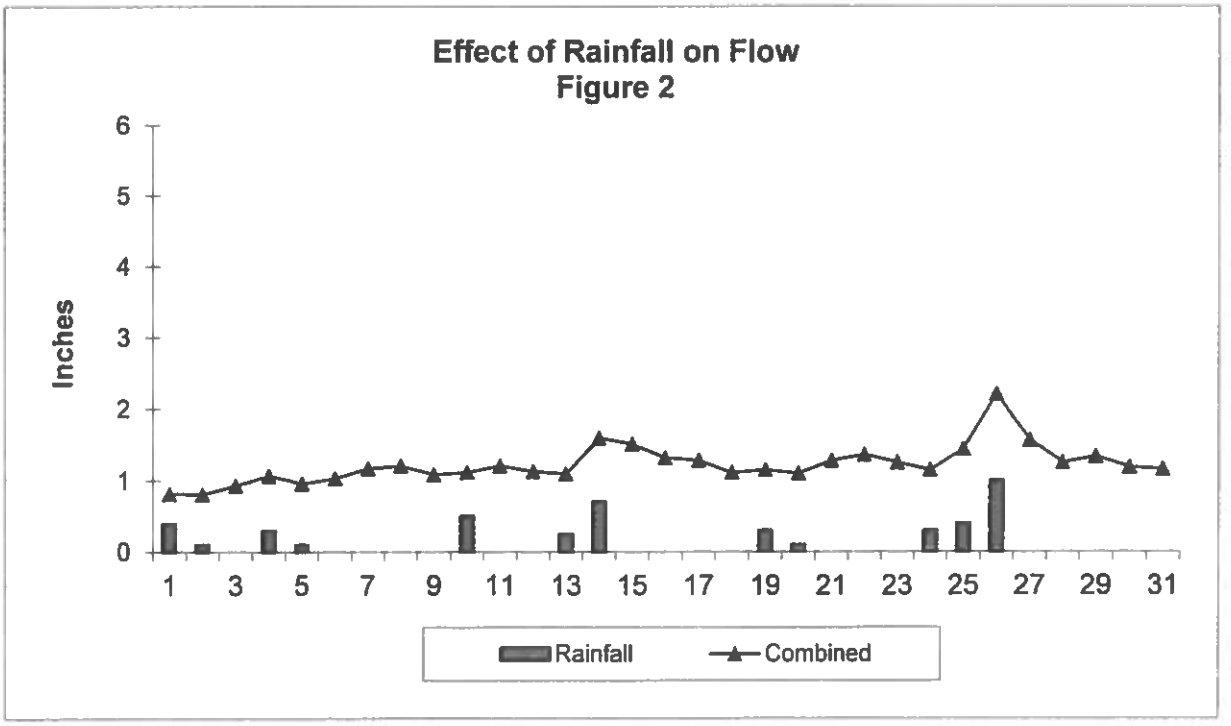
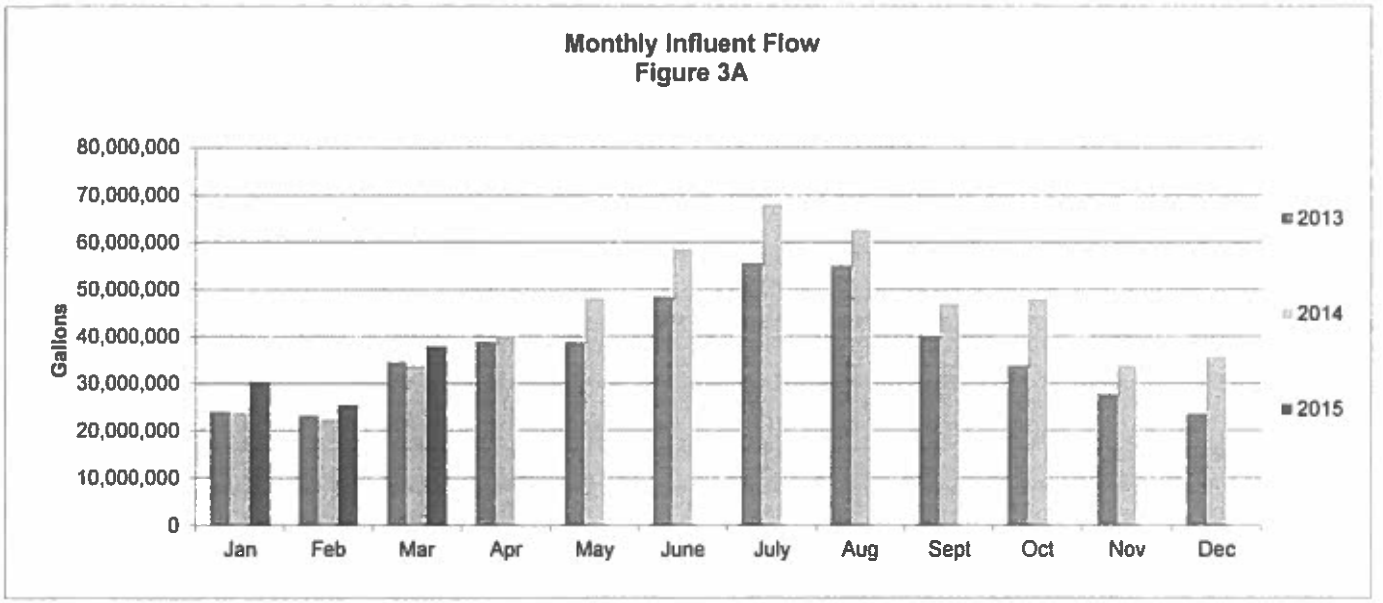

Effect of Rainfall on Flow
Figure 2
Inches
6
5
4
3
2
1
0
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31
Rainfall
Combined

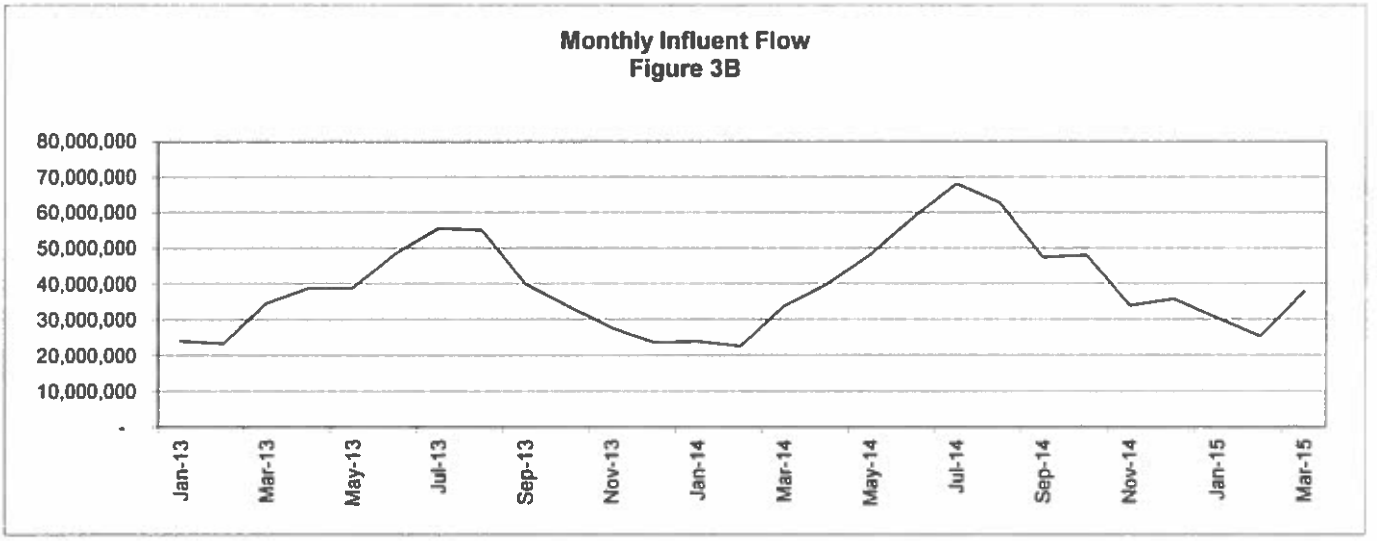
TABLE B
JOINT SEWER BOARD
Monthly Flows

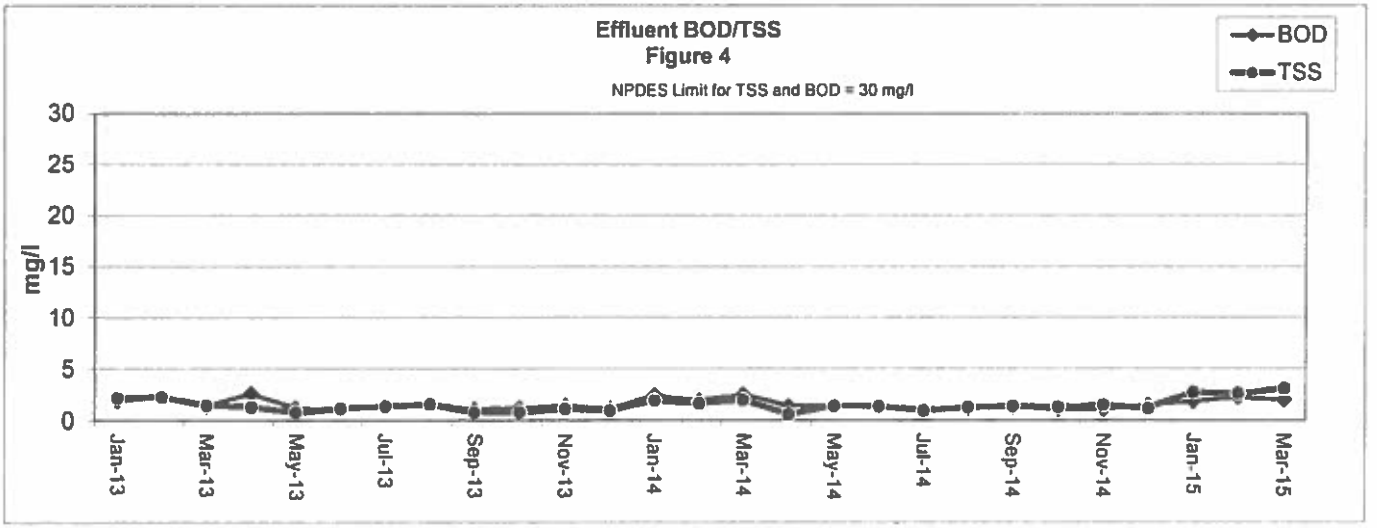
2013	RAINFALL	OSAGE BEACH		LAKE OZARK		TOTAL	%
January	2.8	19,923,000	83%	4,104,000	17%	24,027,000	100%
February	4.2	19,290,000	83%	3,979,000	17%	23,269,000	100%
March	5.3	28,232,000	82%	6,308,000	18%	34,540,000	100%
April	8.7	31,410,000	81%	7,507,000	19%	38,917,000	100%
May	2.9	32,247,000	83%	6,560,000	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%

2014	RAINFALL	OSAGE BEACH		LAKE OZARK		TOTAL	%
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	3.4	40,316,000	86%	6,735,000	14%	47,051,000	100%
October	7.9	41,322,000	86%	6,659,000	14%	47,981,000	100%
November	1.6	29,315,000	87%	4,506,000	13%	33,821,000	100%
December	2.6	31,534,000	88%	4,204,000	12%	35,738,000	100%
	41.7	447,553,000	85%	75,186,000	15%	522,739,000	100%

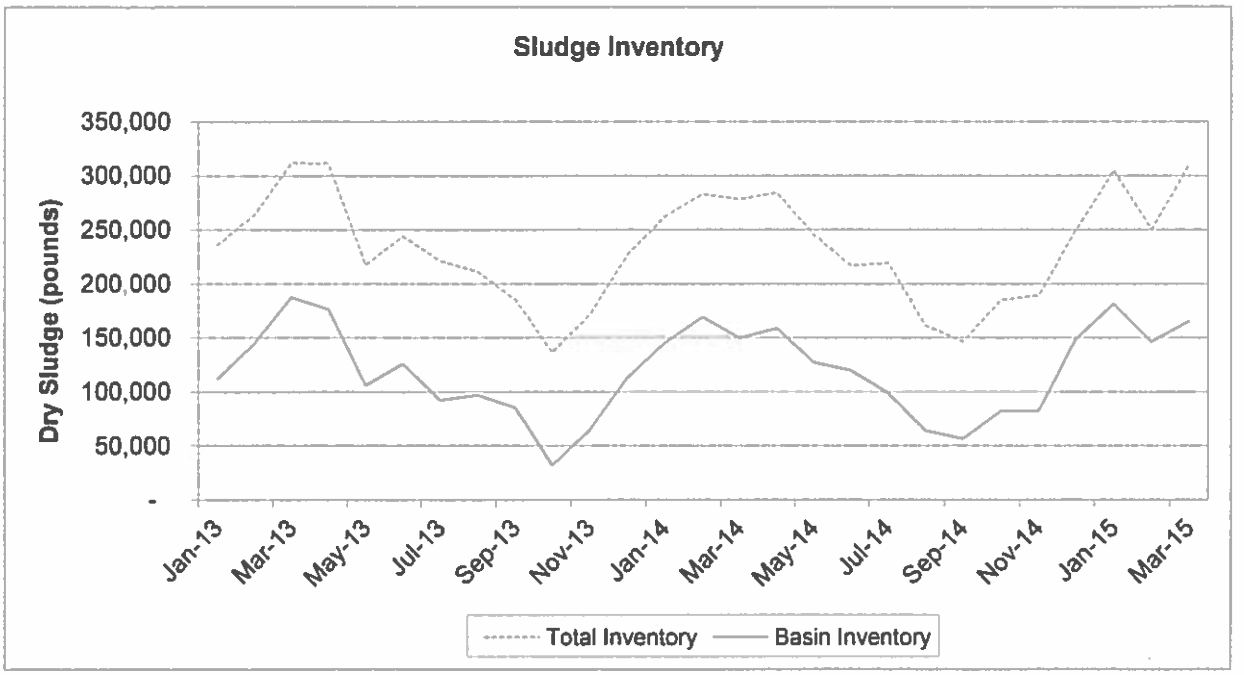
2015	RAINFALL	OSAGE BEACH		LAKE OZARK		TOTAL	%
January	0.9	26,319,000	87%	4,085,000	13%	30,404,000	100%
February	1.4	21,892,000	86%	3,465,000	14%	25,357,000	100%
March	4.5	32,996,000	87%	4,920,000	13%	37,916,000	100%
April							
May							
June							
July							
August							
September							
October							
November							
December							
	6.8	81,207,000	87%	12,470,000	13%	93,677,000	100%

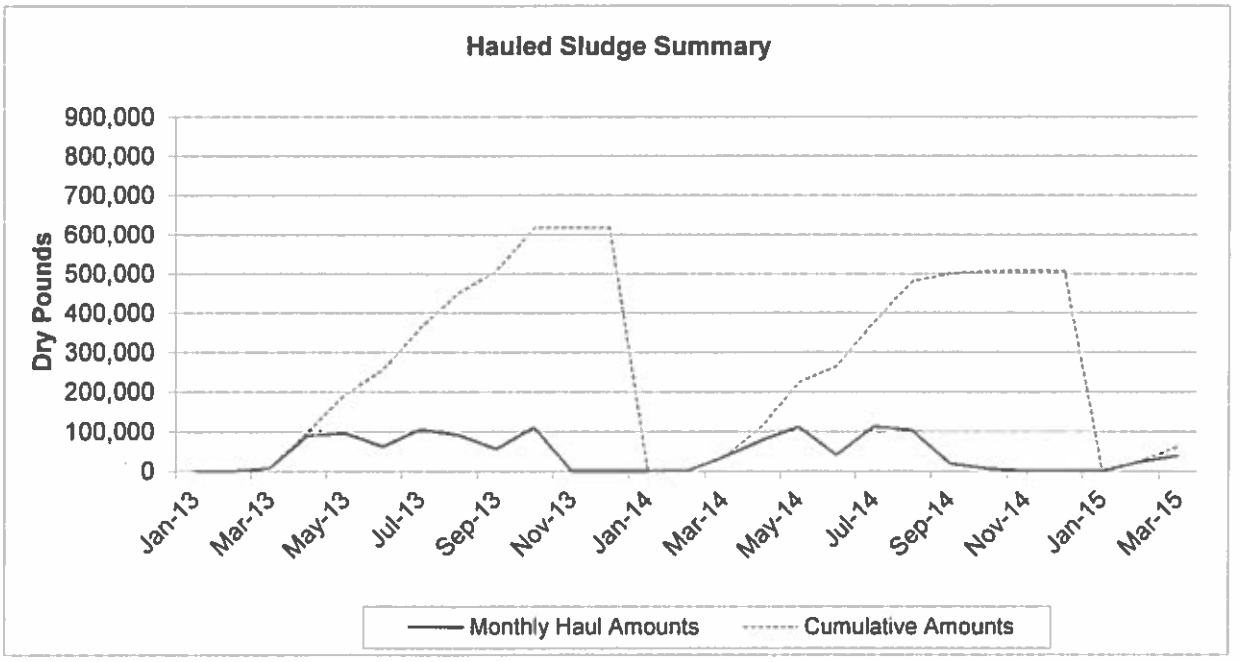

Monthly Influent Flow
Figure 3A
Gallons
80,000,000
70,000,000
60,000,000
50,000,000
40,000,000
30,000,000
20,000,000
10,000,000
0
Jan
Feb
Mar
Apr
May
June
July
Aug
Sept
Oct
Nov
Dec
2013
2014
2015


Monthly Influent Flow
Figure 3B
80,000,000
70,000,000
60,000,000
50,000,000
40,000,000
30,000,000
20,000,000
10,000,000
-
Jan-13
Mar-13
May-13
Jul-13
Sep-13
Nov-13
Jan-14
Mar-14
May-14
Jul-14
Sep-14
Nov-14
Jan-15
Mar-15


Effluent BOD/TSS
Figure 4
NPDES Limit for TSS and BOD = 30 mg/l
BOD
TSS
mg/l
30
25
20
15
10
5
0
Jan-13
Mar-13
May-13
Jul-13
Sep-13
Nov-13
Jan-14
Mar-14
May-14
Jul-14
Sep-14
Nov-14
Jan-15
Mar-15

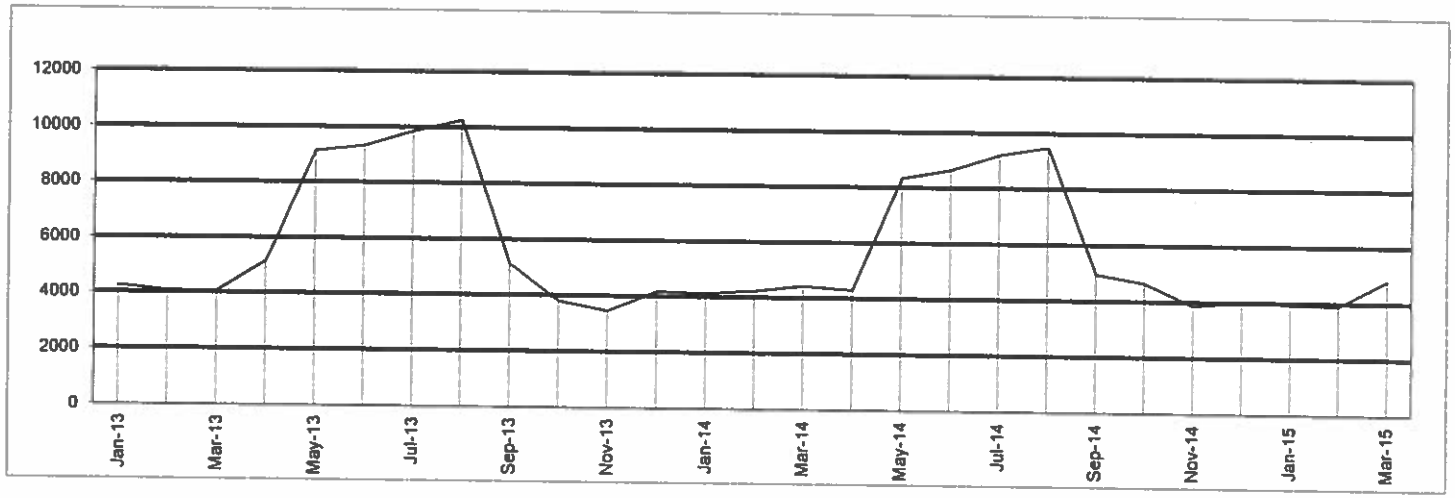
	Hauled Sludge					Basin Depths					Blanket Depths			MLSS Inventory		Blanket and MLSS Inventory		MLSS	Total Dry	Accepted Septage	
	Loads	Gallons	# Dry	% Solids	Annual Cumulative # Dry	Tank #1	Tank #2	AB #1	Basin Gallons	# Dry	Clarf #1	Clarf #2	Clarf #3	MLSS AB #1	MLSS AB #2	Gallons	# Dry	% Solids	Sludge Inventory	Loads	Gallons
Jan-13	0	-	0	3.5%	-	6.0	2.5	0.0	382,500	111,652	1.5	2.0	0.0	4,120	4,010	3,682,167	124,155	0.00407	235,807	26	65,000
Feb-13	0	-	0	3.5%	-	6.0	5.0	0.0	495,000	144,491	1.0	2.0	1.0	4,000	3,740	3,696,714	119,314	0.00387	263,805	56	110,000
Mar-13	8	29,600	8,517	3.5%	8,517	8.0	6.5	0.0	652,500	187,748	2.0	2.0	1.0	4,030	4,050	3,714,476	123,915	0.004	311,663	21	52,500
Apr-13	74	273,800	89,488	3.9%	98,005	6.0	6.0	0.0	540,000	176,492	2.5	2.0	2.0	4,620	4,130	3,766,785	135,084	0.0043	311,576	24	60,000
May-13	82	303,400	95,228	3.8%	193,233	3.5	4.0	0.0	337,500	105,931	3.0	5.0	2.0	3,970	3,040	3,828,952	111,767	0.0035	217,698	36	85,500
Jun-13	54	199,800	62,210	3.7%	255,443	6.0	3.0	0.0	405,000	126,101	1.0	7.0	2.0	3,850	3,540	3,828,952	117,994	0.0037	244,095	47	117,500
Jul-13	97	358,900	105,164	3.5%	360,607	6.0	1.0	0.0	315,000	92,301	1.5	2.0	1.0	3,950	4,410	3,705,595	129,181	0.00418	221,482	58	137,500
Aug-13	74	273,800	90,969	4.0%	451,576	6.5	0.0	0.0	292,500	97,182	2.0	2.5	2.0	3,580	3,680	3,766,785	114,036	0.00363	211,218	57	142,500
Sep-13	48	177,600	56,069	3.8%	507,645	5.0	1.0	0.0	270,000	85,240	2.0	1.5	1.5	3,150	3,300	3,727,309	100,252	0.00323	185,492	39	97,500
Oct-13	83	307,100	110,472	4.3%	618,117	2.0	0.0	0.0	90,000	32,375	2.0	2.0	2.0	2,950	3,680	3,757,904	103,895	0.00332	136,271	32	80,000
Nov-13	0	-	0	4.3%	618,117	4.0	0.0	0.0	180,000	64,552	1.0	0.0	1.0	3,220	3,740	3,661,190	106,259	0.00348	170,811	15	37,500
Dec-13	0	-	0	4.3%	618,117	5.0	2.0	0.0	315,000	112,965	0.0	0.5	1.0	3,600	3,880	3,652,309	113,921	0.00374	226,887	19	47,500
Jan-14	0	-	0	4.3%	-	4.0	5.0	0.0	405,000	145,241	2.0	2.5	0.0	3,690	3,960	3,679,929	117,392	0.00383	262,633	22	54,500
Feb-14	0	-	0	4.3%	-	5.0	5.5	0.0	472,500	169,448	1.5	2.5	0.0	3,410	4,030	3,671,048	113,894	0.00372	283,341	6	15,000
Mar-14	29	107,300	35,703	4.0%	35,703	5.0	5.0	0.0	450,000	149,733	0.5	0.5	0.5	4,270	4,230	3,639,476	129,001	0.00425	278,734	35	90,500
Apr-14	65	240,500	77,176	3.8%	112,879	7.5	3.5	0.0	495,000	158,845	1.5	1.0	1.5	4,420	3,710	3,709,547	125,761	0.00407	284,606	30	75,000
May-14	96	355,200	111,613	3.8%	224,492	5.5	3.5	0.0	405,000	127,261	1.0	2.0	2.0	3,550	4,040	3,740,142	118,377	0.0038	245,638	24	60,000
Jun-14	41	151,700	40,455	3.2%	264,947	4.5	5.5	0.0	450,000	120,005	3.0	2.0	2.0	3,530	2,630	3,775,666	96,986	0.00308	216,991	26	61,000
Jul-14	117	432,900	112,292	3.1%	377,239	6.5	2.0	0.0	382,500	99,219	5.0	1.5	1.5	4,030	3,610	3,780,595	120,445	0.00382	219,664	44	111,500
Aug-14	107	395,900	102,973	3.1%	480,212	5.5	0.0	0.0	247,500	64,374	1.0	1.0	1.0	3,690	2,640	3,678,952	97,110	0.00317	161,484	55	129,000
Sep-14	17	62,900	19,811	3.8%	500,023	2.5	1.5	0.0	180,000	56,693	0.0	1.5	1.0	2,670	3,210	3,670,071	89,989	0.00294	146,682	37	92,500
Oct-14	5	18,500	6,789	4.4%	506,812	4.0	1.0	0.0	225,000	82,569	0.0	1.5	2.0	2,990	3,620	3,713,499	102,358	0.00331	184,927	33	79,500
Nov-14	0	-	0	4.4%	506,812	4.0	1.0	0.0	225,000	82,566	0.0	2.0	1.0	3,630	3,330	3,678,952	106,775	0.00348	189,341	20	50,000
Dec-14	0	-	0	4.4%	506,812	5.0	4.0	0.0	405,000	148,619	0.0	2.0	2.0	3,480	3,060	3,722,380	101,516	0.00327	250,135	18	40,000
Jan-15	0	-	0	4.4%	-	5.5	5.5	0.0	495,000	181,645	2.0	2.0	0.0	3,900	4,160	3,671,048	123,385	0.00403	305,030	22	55,000
Feb-15	20	74,000	24,069	3.9%	24,069	6.0	4.0	0.0	450,000	146,366	1.0	1.0	0.0	3,580	3,290	3,635,524	104,150	0.00344	250,516	21	52,500
Mar-15	34	125,800	38,603	3.7%	62,672	5.5	6.5	0.0	540,000	165,704	1.0	2.0	2.0	5,040	4,250	3,740,142	144,890	0.00465	310,595	11	27,500


Sludge Inventory
Dry Sludge (pounds)
350,000
300,000
250,000
200,000
150,000
100,000
50,000
-
Jan-13
Mar-13
May-13
Jul-13
Sep-13
Nov-13
Jan-14
Mar-14
May-14
Jul-14
Sep-14
Nov-14
Jan-15
Mar-15
Total Inventory
Basin Inventory

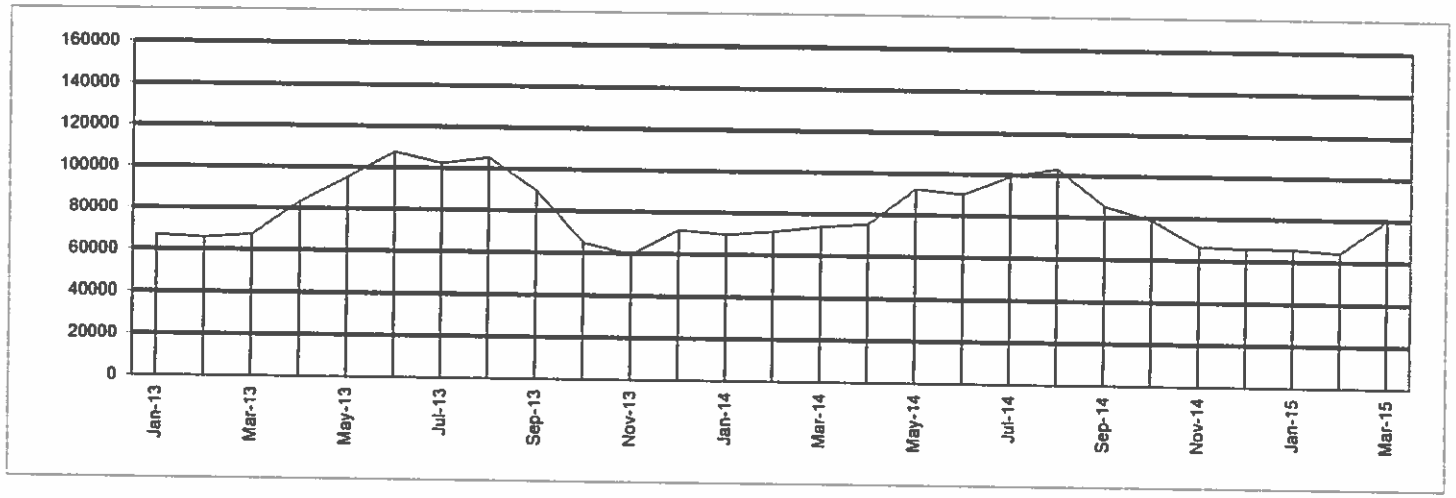

Hauled Sludge Summary
Dry Pounds
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0
Jan-13
Mar-13
May-13
Jul-13
Sep-13
Nov-13
Jan-14
Mar-14
May-14
Jul-14
Sep-14
Nov-14
Jan-15
Mar-15
Monthly Haul Amounts
Cumulative Amounts

-	Electric Cost	Kilowatts Used
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
Sep-14	4953	85,380
Oct-14	4663	78,920
Nov-14	3864	66,400
Dec-14	4009	66,040
Jan-15	3947	65,860
Feb-15	3901	64,300
Mar-15	4821	80,190

Electric Cost



Kilowatts Used



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

NAME OF FACILITY	LOCATION ADDRESS & CITY	COUNTY/REGION
Lake of the Ozarks Regional WWTP #1	#3 Anderson Road	Miller/SWRO

MONTH/YEAR	PERMIT NUMBER	OUTFALL NUMBER	TYPE TREATMENT FACILITY
Mar-15	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			6.9	1.321	7.8				8.4		4.1		
2	7.6			6.8	1.274	7.8				8.3		4.8		
3	7.5			9	1.447	7.8				7.0		6.2		
4	7.6			7.2	1.551	7.7				6.3		5.8		
5	7.4			7.5	1.491	7.8			0.03	6.5		5.3		
6	7.5	218	232	8.1	1.581	7.7	1.5	3		6.6		5.8	99.3	98.7
7	7.4			9.2	1.621	7.7				6.8		7.6		
8	7.5			9.3	1.635	7.8				7.8		8.4		
9	7.4			9.9	1.429	7.8				6.3		10.1		
10	7.5			10.1	1.517	7.8				5.5		9.4		
11	7.4			9.3	1.494	7.8				5.6		9.5		
12	7.5			9.7	1.410	7.8			0.05	6.4		10.6		
13	7.3	238	252	11.5	1.381	7.8	2.6	3.8		5.4		11.5	98.9	98.5
14	7.3			11.5	1.893	7.8				5.2		11.8		
15	7.4			10.8	1.877	7.8				5.6		11.1		
16	7.3			12.1	1.628	7.8				5.7		12		
17	7.5			12	1.478	7.8				5.3		13.1		
18	7.4			12	1.452	7.8				5.5		11.9		
19	7.4			11.8	1.605	7.9			0.10	6.2		11.8		
20	7.7	273	312	11.4	1.549	7.8	1.9	2.4		5.4		10.8	99.3	99.2
21	7.2			11.9	1.393	8.0				8.3		11.1		
22	7.5			11.4	1.364	7.8				6.6		11.6		
23	7.4			13	1.585	7.9				6.7		13.2		
24	7.4			12.1	1.319	7.7				5.7		11.8		
25	7.4			12.9	1.769	7.8				5.8		12.6		
26	7.4			11.5	2.616	7.8			0.40	5.3		12.1		
27	7.5	155	262	11.4	1.996	7.8	1.8	3.2		5.8		12.1	98.8	98.8
28	7.5			11.5	1.583	7.8				6.3		11.2		
29	7.4			12.1	1.737	7.8				6.5		11.1		
30	7.4			12.2	1.558	7.8				6.5		11.4		
31	7.4			13.3	1.448	7.8				6.5		12.4		
Total					49.002									
Avg		221	265	10.6	1.581		2.0	3.1	0.15	6.3	0.0	10.1	99.1	98.8
Min	7.2	155	232	6.8	1.274	7.7	1.5	2.4	0.03	5.2	0.0	4.1	98.8	98.5
Max	7.7	273	312	13.3	2.616	8.0	2.6	3.8	0.40	8.4	0.0	13.2	99.3	99.2

MONTHLY EFFLUENT MONITORING		QUARTERLY EFFLUENT MONITORING	
DATE	Oil & Grease mg/L	Selenium µg/L	Zinc µg/L
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11	< 5.0		
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. MIXED LIQUOR				#2 Aeration Basin, O-Ditch, Etc. MIXED LIQUOR				*Weather Conditions		
		* DO mg/l	** MLSS mg/l	*Settleability *30 min ml	Temp ° C	* DO mg/l	** MLSS mg/l	*Settleability *30 min ml	Temp ° C	Outside * Ambient Temp ° F	*RAIN inches	Time
1		5.5	4,500	550	4.5	7.1	3,710	460	4.5	31	0.4	7:30
2		4.8	4,060	440	5.3	5.7	4,210	580	5.0	17	0.1	7:30
3		4.7	3,960	430	6.9	4.0	4,620	600	6.6	38	0	7:30
4		2.8	3,960	500	6.3	2.6	4,190	510	6.2	30	0.3	7:30
5		3.9	4,500	510	5.2	4.7	4,330	620	5.4	21	0.1	7:30
6		3.4	4,230	360	6.2	2.8	4,900	560	5.8	24	0	7:30
7		2.7	4,820	640	7.4	3.9	3,240	340	7.3	43	0	7:30
8		2.7	4,190	400	8.1	3.3	4,450	510	8.1	34	0	7:30
9		2.6	4,030	370	8.8	1.7	4,720	580	8.9	33	0	7:30
10		1.3	4,430	540	9.8	1.4	4,330	470	9.6	48	0.5	7:30
11	6,172	1.2	4,890	620	9.6	1.7	3,580	340	9.5	37	0	7:30
12	6,634	3.3	4,940	540	10.1	5.8	4,480	500	10.2	40	0	7:30
13		1.2	4,530	440	11.9	1.3	4,490	500	11.8	55	0.25	7:30
14		1.2	4,530	470	12.0	1.4	4,250	440	11.9	52	0.7	7:30
15		1.3	4,070	420	11.1	1.4	4,340	490	10.9	34	0	7:30
16		1.4	2,880	300	12.2	1.4	3,650	330	12.1	42	0	7:30
17	3,148	2.1	4,570	490	12.9	1.6	3,410	340	12.9	51	0	7:30
18	5,709	1.2	4,250	450	11.9	1.5	4,240	410	11.7	45	0	7:30
19		1.3	4,710	500	11.0	2.9	4,600	480	10.9	41	0.3	7:30
20	5,554	1.1	4,840	600	10.9	1.9	3,100	300	10.8	43	0.1	7:30
21		1.4	4,790	570	11.4	4.1	3,610	350	11.1	42	0	7:30
22		1.9	3,760	360	11.8	1.7	4,820	580	11.6	45	0	7:30
23	3,333	1.4	4,390	460	13.1	1.6	4,220	440	12.8	51	0	7:30
24		1.3	4,730	500	11.9	1.6	4,060	380	11.9	41	0.3	7:30
25		1.3	5,120	550	12.8	1.7	3,840	340	12.7	48	0.4	7:30
26		1.2	5,170	610	12.1	1.5	3,430	320	12.1	43	1	7:30
27	2,962	1.5	4,560	490	12.0	1.7	4,450	450	11.8	40	0	7:30
28		3.2	3,790	400	11.0	2.1	4,730	510	11.0	31	0	7:30
29		1.5	5,000	530	11.1	2.6	4,100	390	11.2	41	0	7:30
30		3.2	3,920	350	11.3	2.0	4,670	530	11.3	36	0	7:30
31	5,092	1.3	5,040	510	12.6	2.0	4,250	440	12.5	45	0	7:30

COMMENTS:

TESTS PERFORMED BY (PRINT)	SIGNATURE	PHONE #	DATE
John Hornback	John Hornback	(573)365-0455	4/8/2015
REPORT APPROVED BY (PRINT)	SIGNATURE	PHONE #	DATE
Gary Hutchcraft	Gary Hutchcraft	(573)365-0455	4/8/2015

*Required Daily (Monday - Friday)

**Required 1/week

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

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
FROM	2015	03	01	TO	2015	03	31

Dep. of Natural Resources
(REGIONAL OFFICE)
Southwest Regional Office
2040 W. Woodland
Springfield, MO 65807-5912
417-891-4300
417-891-4399 (fax)

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM

Parameter		MASS		Unit	CONCENTRATION			Unit	FREQUENCY OF ANALYSIS	SAMPLE TYPE	LAB CODE
BOD, 5-day, 20 deg. C (00310)	REPORTD	*****	*****		2.6	2.0	*****	mg/L	Weekly	24 Hour Composite	
Stage Type: End of Pipe	REQRMNT	*****	*****		Weekly Average : 45	Monthly Average : 30	*****		Weekly	24 Hour Composite	
Flow, in conduit or thru treatment plant (50050)	REPORTD	2.616	1.581	Mgal/d	*****	*****	*****		Daily	Record	
Stage Type: End of Pipe	REQRMNT	Daily Maximum : Monitoring Required	Monthly Average : Monitoring Required		*****	*****	*****		Daily	Record	
Nitrogen, ammonia total (as N) (00610)	REPORTD	*****	*****		0.40	0.15	*****	mg/L	Weekly	Grab	
Stage Type: End of Pipe	REQRMNT	*****	*****		Daily Maximum : 10.6	Monthly Average : 2.7	*****		Weekly	Grab	
Oil and grease (soxhlet extr.) tot. (00550)	REPORTD	*****	*****		<5.0	<5.0	*****	mg/L	Monthly	Grab	
Stage Type: End of Pipe	REQRMNT	*****	*****		Daily Maximum : 15	Monthly Average : 10	*****		Monthly	Grab	
pH (00400)	REPORTD	*****	*****		7.7	8.0	*****	SU	Weekly	Grab	
Stage Type: End of Pipe	REQRMNT	*****	*****		Minimum : 6	Maximum : 9	*****		Weekly	Grab	
Temperature, water deg. centigrade (00010)	REPORTD	*****	*****		13.2	10.1	*****	deg C	Weekly	Grab	
Stage Type: End of Pipe	REQRMNT	*****	*****		Daily Maximum Monitoring Required	Monthly Average : Monitoring Required	*****		Weekly	Grab	
Total Suspended Solids (TSS) (00530)	REPORTD	*****	*****		3.8	3.1	*****	mg/L	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

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 573-365-0455
Gary F Hutchcraft	Gary F Hutchcraft	2015-04-08 16:04:57
TYPED OR PRINTED NAME	SIGNATURE	Date

Page 1

LAKE OZARK/OSAGE BEACH WWTP
Operation Report

FOR MARCH 2015
(month) (year)

		PLANT INFLUENT												ENVIRONMENTAL CONDITIONS			OXIDATION DITCH NO. 1 MIXED LIQUOR					OXIDATION DITCH NO. 2 MIXED LIQUOR					CLARIFIER NO. 1	CLARIFIER NO. 2	CLARIFIER NO. 3	PLANT EFFLUENT															RETURN SLUDGE		WASTE SLUDGE TO STORAGE	
DATE	INITIAL	FLOW (MGD)	FLOW (MGD)	FLOW TOTAL (MGD)	BOD-LO (mg/L)	BOD-HI (mg/L)	BOD TOTAL (mg/L)	TSS LO (mg/L)	TSS HI (mg/L)	TSS TOTAL (mg/L)	AMMONIA (mg/L)	pH	TEMP °C	WEATHER	PRECIPITATION (inches)	TEMPERATURE (degrees F)	SUSPENDED SOLIDS (mg/L)	SETTLEABLES (mL/L/hr)	SVI (mL/gm)	pH	DO (mg/L)	SUSPENDED SOLIDS (mg/L)	SETTLEABLES (mL/L/hr)	SVI (mL/gm)	pH	DO (mg/L)	DEPTH OF SLUDGE BLANKET (feet)	DEPTH OF SLUDGE BLANKET (feet)	DEPTH OF SLUDGE BLANKET (feet)	FLOW (MGD)	pH	BOD (mg/L)	TOTAL SUSPENDED SOLIDS (mg/L)	BOD (mg/L)	AMMONIA (mg/L)	TEMP °C	N (lb)	FECAL COLIFORM (#/100ml)	SELENIUM (micrograms/L)	ZINC (micrograms/L)	FLOW (gallons)	SUSPENDED SOLIDS (mg/L)	FLOW (gallons)	SUSPENDED SOLIDS (lbs)
1	JH	0.112	0.703	0.815								7.4	6.9	S	0.4	31	4,500	550	122	7.6	5.5	3,710	460	124	7.67	7.1	1.5	1.5	0	1.321	7.79			8.4		4.1					0.614	7,405		
2	JH	0.116	0.690	0.806								7.6	6.8	P	0.1	17	4,060	440	108	7.64	4.8	4,210	580	138	7.64	5.7	1	1.5	0	1.274	7.83			8.3		4.8					0.51	8,655		
3	JH	0.120	0.812	0.932								7.47	9.0	O	0	38	3,960	430	109	7.71	4.7	4,160	600	130	7.68	4	1.5	1.5	0	1.447	7.77			7		6.2					0.528	9,570	45,000	3,592
4	JH	0.138	0.933	1.071								7.59	7.2	O	0.3	30	3,960	500	126	7.56	2.8	4,190	510	122	7.62	2.6	1	1	0	1.551	7.68			6.3		5.8					0.63	8,835		
5	JH	0.131	0.829	0.960							28.8	7.4	7.5	C	0.1	21	4,500	510	113	7.58	3.9	4,330	620	143	7.6	4.7	1.5	2	0	1.491	7.75			6.5	0.03	5.3					0.55	8,925		
6	JH	0.134	0.898	1.032	183	238	218	122	274	232		7.46	8.1	C	0	24	4,230	360	85	7.56	3.4	4,900	560	114	7.54	2.8	2.5	2	0	1.581	7.71	1.5	3	6.6		5.8					0.408	12,390	45,000	4,650
7	FH	0.156	1.017	1.173								7.44	9.2	C	0	43	4,820	640	133	7.53	2.7	3,240	340	105	7.62	3.9	1	1	0	1.621	7.72			6.8		7.6					0.51	15,785		
8	FH	0.158	1.052	1.210								7.46	9.3	O	0	34	4,190	400	95	7.56	2.7	4,450	510	115	7.56	3.3	1	1.5	0	1.635	7.79			7.8		8.4					0.75	7,625		
9	FH	0.156	0.930	1.086								7.42	9.9	PC	0	33	4,030	370	92	7.59	2.6	4,720	580	123	7.57	1.7	1.5	1	0	1.429	7.77			6.3		10.1					0.689	8,545		
10	JH	0.143	0.971	1.114								7.48	10.1	R	0.5	48	4,430	540	122	7.6	1.3	4,330	470	109	7.62	1.4	2	4	0	1.517	7.77			5.5		9.4					0.675	19,380	45,000	7,273
11	JH	0.150	1.057	1.207								7.44	9.3	PC	0	37	4,890	620	127	7.65	1.2	3,580	340	95	7.67	1.7	1	1.5	0	1.494	7.81			5.6		9.5		<5.0			0.901	7,855		
12	JH	0.138	0.989	1.127							37.3	7.47	9.7	C	0	40	4,940	540	109	7.72	3.3	4,480	500	112	7.78	5.8	3	1.5	0	1.410	7.76			6.4	0.05	10.6					0.535	9,935		
13	JH	0.119	0.977	1.096	193	243	238	170	206	252		7.3	11.5	R	0.25	55	4,530	440	97	7.59	1.2	4,490	500	111	7.59	1.3	1.5	3	0	1.381	7.80	2.6	3.8	5.4		11.5					0.832	10,225	45,000	3,837
14	JH	0.179	1.418	1.597								7.29	11.5	O	0.7	54	4,530	470	104	7.58	1.2	4,250	440	104	7.61	1.4	1	1.5	0	1.893	7.75			5.2		11.8					1.045	8,415		
15	JH	0.196	1.313	1.509								7.38	10.8	C	0	34	4,070	420	103	7.65	1.3	4,340	490	113	7.62	1.4	1.5	2	0	1.877	7.82			5.6		11.1					1.002	8,615		
16	JH	0.160	1.159	1.319								7.3	12.1	C	0	42	2,880	300	104	7.6	1.4	3,650	330	90	7.6	1.4	1	10	0	1.628	7.82			5.7		12					0.741	18,095	45,000	6,791
17	FH	0.149	1.137	1.286								7.45	12.0	C	0	51	4,570	490	107	7.62	2.1	3,410	340	100	7.62	1.6	2	3	0	1.478	7.83			5.3		13.1					1.224	8,550		
18	JH	0.145	0.966	1.111								7.38	12.0	O	0	45	4,250	450	106	7.65	1.2	4,240	410	97	7.65	1.5	1.5	1.5	0	1.452	7.80			5.5		11.9					0.6	9,590		
19	JH	0.149	1.000	1.149							34.4	7.35	11.8	O	0.3	41	4,710	500	106	7.69	1.3	4,600	480	104	7.66	2.9	1	3	0	1.605	7.86			6.2	0.10	11.8					0.574	13,010		
20	JH	0.145	0.958	1.103	158	298	273	120	258	312		7.65	11.4	C	0.1	43	4,840	600	124	7.59	1.1	3,100	300	97	7.66	1.9	1	6	0	1.549	7.76	1.9	2.4	5.4		10.8					0.513	13,000	90,000	9,758
21	FH	0.172	1.108	1.280								7.15	11.9	PC	0	42	4,790	570	119	7.56	1.4	3,610	350	79	7.65	4.1	1	1	1	1.393	8.03			8.3		11.1					0.702	8,975		
22	FH	0.180	1.184	1.364								7.48	11.4	PC	0	45	3,760	360	96	7.62	1.9	4,820	580	120	7.58	1.7	2	2	1.5	1.364	7.84			6.6		11.6					0.508	11,005		
23	FH	0.153	1.101	1.254								7.38	13.0	O	0	51	4,390	460	105	7.58	1.4	4,220	440	104	7.59	1.6	2	1	1	1.585	7.87			6.7		13.2					0.562	10,185		
24	JH	0.142	1.008	1.150								7.35	12.1	R	0.3	41	4,730	500	106	7.58	1.3	4,060	380	94	7.57	1.6	3.5	2	1	1.319	7.68			5.7		11.8					0.462	12,365	45,000	4,641
25	JH	0.179	1.262	1.441								7.39	12.9	PC	0.4	48	5,120	550	107	7.57	1.3	3,840	340	89	7.57	1.7	1	1.5	1.5	1.769	7.80			5.8		12.6					1.515	8,185		
26	JH	0.274	1.935	2.209							21.2	7.41	11.5	P	1	43	5,170	610	118	7.58	1.2	3,430	320	93	7.55	1.5	4	2	1	2.616	7.76			5.3	0.40	12.1					1.303	11,305		
27	JH	0.233	1.338	1.571	165	240	155	148	340	262		7.54	11.4	O	0	40	4,560	490	107	7.58	1.5	4,450	450	101	7.58	1.7	1.5	4	2	1.996	7.81	1.8	3.2	5.8		12.1					1.178	8,795	45,000	3,301
28	JH	0.178	1.076	1.254								7.51	11.5	O	0	31	3,790	400	106	7.62	3.2	4,730	510	108	7.57	2.1	2	2	1.5	1.583	7.79			6.3		11.2					0.972	7,150		
29	JH	0.177	1.159	1.336								7.35	12.1	C	0	41	5,000	530	106	7.54	1.5	4,100	390	95	7.56	2.6	1.5	1.5	1	1.737	7.76			6.5		11.1					1.118	9,330		
30	JH	0.176	1.014	1.190								7.38	12.2	C	0	36	3,920	350	89	7.59	3.2	4,670	530	113	7.54	2	2	4	1	1.558	7.80			6.5		11.4					0.371	15,365		
31	JH	0.162	1.002	1.164								7.39	13.3	C	0	45	5,040	510	101	7.52	1.3	4,250	440	104	7.59	2	1	2	2	1.448	7.81			6.5		12.4					0.991	9,955	45,000	3,736
TOTAL		4.920	32.996	37.916	699	1019	884	560	1078	1038	121.7	230	329.4		4.45	1224	137,160	14,900	3,352	235.6	68.9	128,560	14,090	3,346	235.9	80.7	50.5	73	14.5	49.002	242	7.8	12.4	195.8	0.58	312.2	0	<5.0	0	0	23.513	327,020	450,000	47,579
MAX		0.274	1.935	2.209	193	298	273	170	340	312	37.3	7.65	13.3		1	55	5,170	640	133	7.72	5.5	4,900	620	143	7.78	7.1	4	10	2	2.616	8.03	2.6	3.8	8.4	0.40	13.2	0	<5.0	0	0	1.515	19,380	90,000	9,758
MIN		0.112	0.690	0.802	158	238	155	120	206	232	21.2	7.15	6.8		0	17	2,880	300	85	7.52	1.1	3,100	300	79	7.54	1.3	1	1	0	1.274	7.68	1.5	2.4	5.2	0.03	4.1	0	<5.0	0	0	0.371	7,150	45,000	3,301
AVG		0.159	1.064	1.223	175	255	221	140	270	265	30.4	7.42	10.6		0.14	39	4,425	481	108	7.60	2.2	4,147	455	108	7.61	2.6	1.6	2.4	0.5	1.581	7.79	2.0	3.1	6.1	0.15	10.1	0.0	<5.0	0.0	0.0	0.758	10,549	50,000	5,287

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

Prepared by GH, FH, JH

Approved by GH

Date 4/8/2015

Semi - Annual I & I Flow Report
Wastewater Treatment Summary for the City of Osage Beach
(Million Gallons)

2014 - 2015

	October	November	December	January	February	March
O.B. Total MG	41.322	29.315	31.534	26.319	21.892	32.996
O.B. Peak MG	2.337	1.943	1.627	1.134	0.937	1.935
Avg. Daily MG	1.333	0.977	1.017	0.849	0.782	1.064
% Diff.	75%	99%	60%	34%	20%	82%
Rainfall Inches	7.9	1.6	2.6	0.9	1.4	4.5

Semi - Annual I & I Flow Report
Wastewater Treatment Summary for the City of Lake Ozark
(Million Gallons)

2014 - 2015

	October	November	December	January	February	March
L.O. Total MG	6.659	4.506	4.204	4.085	3.465	4.920
L.O. Peak MG	0.433	0.190	0.241	0.174	0.148	0.274
Avg. Daily MG	0.215	0.150	0.136	0.132	0.124	0.159
% Diff.	101%	27%	77%	32%	19%	72%
Rainfall Inches	7.9	1.6	2.6	0.9	1.4	4.5

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: 130079

RECEIVED APR 0 8 2015

Report of Analysis

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

Log Number:	Sample Description:	Sample Date:	Sample Received Date:
1808802	Quarterly Sludge	3/11/2015	3/12/2015

Coli S

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Fecal Coliform in Sludge	6,730	CFU/g	SM-9222 D-97		03/12/15	102
Total Solids Average	4.14	% w/w	SM-2540 G-97		03/12/15	102

Nutrients

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Phosphorus	23700	mg/Kg	SM-20 4500-P E-99		03/16/15	133

PAN Group

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Ammonia Nitrogen, Distilled	9,020	mg/Kg	Lachat-10-107-06-1-K		03/16/15	102
Kjeldahl Nitrogen	16,400	mg/Kg	Lachat-10-107-06-2-K		03/16/15	102
Nitrate as Nitrogen	153	mg/Kg	EPA-300.0 Rev. 2		03/16/15	133
Nitrite as Nitrogen	< 48	mg/Kg	EPA-300.0 Rev. 2		03/16/15	133
Organic Nitrogen	7,380	mg/Kg	Lachat-10-107-06-2-K		03/16/15	102
PAN - Subsurface Application	10649	ppm	Calculation		03/19/15	127
PAN - Surface Application	7943	ppm	Calculation		03/19/15	127

Preparation Methods

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Anions IC Sample Preparation	1	Prep	SM-4110B-00		03/12/15	133
Metals ICP Sample Digestion	1	Prep	EPA-200.7 Rev. 4.4	PDC	03/26/15	
Total Metals Flame-AA Digestion	1	Prep	EPA-200.2		03/16/15	133

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: 130079

Report of Analysis

Log Number:	Sample Description:	Sample Date:	Sample Received Date:
1808802	Quarterly Sludge	3/11/2015	3/12/2015

Solids

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Total Solids	4.18	% w/w	SM-2540 G-97		03/13/15	102

Total (Total Recoverable) Trace Metals

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Arsenic by ICP	< 3.0	mg/Kg	EPA-200.7 Rev. 4.4	PDC	03/26/15	
Cadmium	0.64	mg/Kg	SM-3111 B-99		03/17/15	133
Chromium	38.3	mg/Kg	SM-3111 B-99		03/17/15	133
Copper	551	mg/Kg	SM-3111 B-99		03/17/15	133
Lead by ICP	23	mg/Kg	EPA-200.7 Rev. 4.4	PDC	03/26/15	
Mercury by Cold-Vapor Technique	< 0.10	mg/Kg	SM-3112 B-99		03/19/15	133
Molybdenum by ICP	6.2	mg/Kg	EPA-200.7 Rev. 4.4	PDC	03/26/15	
Nickel	14.1	mg/Kg	SM-3111 B-99		03/17/15	133
Potassium	1700	mg/Kg	SM-3111 B-99		03/24/15	133
Selenium by ICP	< 2.0	mg/Kg	EPA-200.7 Rev. 4.4	PDC	03/26/15	
Zinc	905	mg/Kg	SM-3111 B-99		03/17/15	133

Respectfully submitted,

David F. Warren

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