

**OSAGE BEACH / LAKE OZARK  
JOINT SEWER BOARD MEETING  
AGENDA  
MARCH 15, 2016 @ 4:00 p.m.  
OSAGE BEACH 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, Open  
Public Works Director, Osage Beach, Nick Edelman  
Public Works Director, Lake Ozark, Matt Michalik  
Resident Member, Mr. Gary Hamner

**3. MINUTES**

**Page Numbers**

Regular Meeting; February 16, 2016

3- 4

**4. REPORTS**

Bill List

5-14

Revenue Budget Analysis

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Expenditure Budget Analysis

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Income & Expense Summary

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Check Registers & Bank Statements

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Alliance Report of Operations

29-46

**5. OLD BUSINESS**

A. Magruder litigation

**6. NEW BUSINESS:**

A. Corporate Resolution Bank of Elizabeth

**7. ADDITIONAL DISCUSSION ITEMS**

**8. ADJOURNMENT**

**THE NEXT MEETING WILL BE APRIL 19, 2016, 4:00 PM @ LAKE OZARK CITY HALL**



**LAKE OZARK - OSAGE BEACH  
JOINT SEWER BOARD  
Meeting Minutes – February 16, 2016**

**Call to Order:**

Mayor Penny Lyons called the meeting to order at 4:00 p.m. on Tuesday, February 16, 2016 at Lake Ozark City Hall.

**Roll Call:**

Penny Lyons, Mayor  
Johnnie Franzeskos, Mayor  
Dave Van Dee, City Administrator  
Jeana Woods, City Administrator  
Gerry Murawski, Alderman  
Absent Gary Hamner, Resident  
Nick Edelman, Public Works Director  
Matt Michalik, Public Works Director

**Others Present:**

Gary Hutchcraft, Plant Manager  
Kari Bell, Osage Beach Treasurer

**Minutes of Past Meeting:**

*Mayor Lyons requested a motion to approve the November 17, 2015 meeting minutes. Mayor Franzeskos motioned to approve the minutes as written. Second by Gerry Murawski with unanimous approval of the remaining Board members.*

**Public Comment:** None at this time.

**Bills List January 2016:** *Mayor Lyons requested a motion to approve the January 2016 Bills List. Mayor Franzeskos motioned approval of the bills list. Second by Dave Van Dee with unanimous approval of the remaining Board members.*

**Bills List February 2016:** *Mayor Lyons requested a motion to approve the February 2016 Bills List. Matt Michalik motioned approval of the bills list. Second by Mayor Franzeskos with unanimous approval of the remaining Board members.*

**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 November, December 2015 & January 2016 Alliance Reports and Flow Charts and presented his monthly summary reports of operations. Copies of the reports and charts were included in the meeting packet.

*Mayor Lyons requested a motion to approve the November 2015 Flow Chart. Nick Edelman motioned approval. Second by Mayor Franzekos with unanimous approval.*

*Mayor Lyons requested a motion to approve the December 2015 Flow Chart. Matt Michalik motioned approval. Second by Gerry Murawski with unanimous approval.*

*Mayor Lyons requested a motion to approve the January 2016 Flow Chart. Matt Michalik motioned approval. Second by Nick Edelman with unanimous approval.*

**Old Business:** Macgruder sent a list of people they want information and business transactions on. The list was lengthy and some of the names were unrecognized, but responses were sent.

**New Business:**

- A. Discussion & Approval of the Emergency Response Plan
- B. Discussion & Approval of the Plant Inventory

No comments from the board.

**Other Discussion:** *2 Operating Accounts have exceeded the FDIC limits for insurance. We need to move money to a new bank. After discussion regarding the banks on the list provided, Dave Van Dee motioned approval to move money to St. Elizabeth with unanimous approval from the other board members.*

**Adjournment:**

With nothing further to discuss, Mayor Lyons declared the meeting adjourned at 4:11 pm. The next scheduled meeting is Tuesday, March 15, 2016, 4:00 pm. At Lake Ozark City Hall.

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Penny Lyons  
Osage Beach Mayor

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Norma M. Thompson  
Lake Ozark Joint Sewer Clerk

JOINT SEWER BOARD  
BILL LIST  
MARCH 15, 2016

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:	\$ 1,171.98
OPERATING FUND BILLS TO BE PAID:	\$ 29,451.70
EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:	\$ -
EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:	\$ -
<b>TOTAL</b>	<b>\$ 30,623.68</b>

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:

Account	Check	Paid To:	Description:	Amount:
4020	1014	GLW	Repair pista grit leaks	\$ 1,171.98
<b>TOTAL</b>				<b>\$ 1,171.98</b>

OPERATING FUND BILLS TO BE PAID:

Account	Check	Paid To:	Description:	Amount:
4000	3502	Equipment Replacement Fund	Payment into ER Fund	\$ -
4170	3503	Alliance Water Resources, Inc.	Management Fee	\$ 3,467.17
4160	3504	Alliance Water Resources, Inc.	Hauled Wasted	\$ 25,303.24
4020	3505	Alliance Water Resources, Inc.	Automationdirect/Dam Steel	\$ 381.29
<b>TOTAL</b>				<b>\$ 29,451.70</b>

EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:

Account	Check	Paid To:	Description:	Amount:
				\$ -
<b>TOTAL</b>				<b>\$ -</b>

EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:





Account	Check	Paid To:	Description:	Amount:
				\$ -
<b>TOTAL</b>				<b>\$ -</b>

REPAIR ORDER



536 Co. Rd. 501  
Jefferson City, MO 65101  
Telephone 573-680-3957



NAME <i>Vocant Sewer Board</i>		DATE <i>2-12-16</i>		
ADDRESS <i>3 Anderson Dr. Rd. P.O. Box 1985</i>		CUSTOMER ORDER NO.		
CITY <i>Lake Park Mo 65049</i>	PHONE	TERMS		
MAKE <i>J</i>	MODEL	LICENSE NO.		
YEAR	SER. NO.	SPEEDOMETER		
MTR. NO.	REPAIR ORDER INSTRUCTIONS			
OPER NO.	<i>Job on Steel Pipe tank and Elbow fitting cut off and Welded New one</i> <i>Job on Hook Bottom Repair Work</i> <i>Line inside with Road Rubber Sealer</i> <i>Sand Blast all Parts + Paint</i>			
QTY	PART NO.	DESCRIPTION	LIST	SALE AMOUNT
1		<i>1/4 x 14" Stainless Plate</i>		
1		<i>1/4 x 6" Stainless Plate</i>		
				<i>155.33</i>
		<i>Sand + Sand Paper</i>		<i>40.00</i>
1		<i>3/8 x 2 x 3' 8" Rollup Band</i>		
1		<i>3/8 x 4 x 2' 9" Rollup Band</i>		
				<i>310.30</i>
1		<i>3" Weld Pipe Elbow</i>		<i>59.06</i>
3		<i>Rubber Gaskets 1-6" - 2-9"</i>		<i>24.61</i>
				
		<i>Blue Paint</i>		<i>20.85</i>
1		<i>Hardened Pipe Reducer</i>		<i>22.50</i>
				
		<i>Welding Rod + Line</i>		<i>62.50</i>
ADDITIONAL PARTS SEE LIST ON BACK →				
PARTS TOTAL →				<i>595.15</i>
OUTSIDE WORK				
PRICE				
OUTSIDE WORK TOTAL →				

I hereby authorize the above repair work to be done along with the necessary material, and hereby grant you and/or your employees permission to operate the car or truck herein described on streets, highways or elsewhere for the purpose of testing and/or inspection. An express mechanic's lien is hereby acknowledged on above car or truck to secure the amount of repairs thereto.

**X Thanks Again**

F.S.	PHONE WHEN READY	YES	NO
	TOTAL LABOR	<i>480.00</i>	
	TOTAL PARTS	<i>595.15</i>	
	MACHINE EARRINGS	<i>80.00</i>	
	OIL & GREASE		
	Freight	<i>16.83</i>	
	TAX		
	TOTAL AMOUNT	<i>1171.98</i>	

NOT RESPONSIBLE FOR LOSS OR DAMAGE TO CAR OR ARTICLES LEFT IN CARS IN CASE OF FIRE, THEFT OR ANY OTHER CAUSE BEYOND OUR CONTROL.	OIL AND GREASE	PRICE
GEAR LUBE		
OTS. OIL		
LBS. GREASE		
TOTAL OIL AND GREASE		

**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: 6816

1-Mar-16

Customer No: 20220

Terms: 30 days

SOLD TO

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

REFERENCE	DESCRIPTION	AMOUNT
	Wastewater Plant operating service for month of: Mar-16  Base Fee	\$25,303.24
<b>TOTAL DUE</b>		<b>\$25,303.24</b>

**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: 6853

Invoice Date: 29-Feb-16

Customer No: 20220

Terms: 30 days

REFERENCE	DESCRIPTION	AMOUNT
	Hauled waste payments for the month of Feb-16 6 Hauled Waste Loads @50.00 each	\$300.00
TOTAL DUE		\$300.00



**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: 6817

Invoice Date: 1-Mar-16

Customer No: 20220

Terms: 30 days

REFERENCE	DESCRIPTION	AMOUNT
	Automationdirect.com, Inc. - 4 Invoices	
	Invoice # 6732528 - 50%	\$ 175.62
	Invoice # 6737782 - 50%	\$ 278.62
	Invoice # 6745709 - 50%	\$ (132.50)
	Invoice # 6755945 - 50%	\$ (30.25)
		\$291.49
	Dam Steel & Supply, Inc. - 1 Invoice 50%	\$89.80
<b>TOTAL DUE</b>		<b>\$381.29</b>



Mail Payments To: Automationdirect.com, Inc.  
 P.O. Box 402417  
 Atlanta, GA 30384-2417  
 --OR--  
 Pay on the web at: www.automationdirect.com

Toll Free: 800-633-0405  
 A/R Direct: 770-889-7588  
 A/R Fax: 770-781-0564  
 Email: ar@automationdirect.com  
 US Tax ID: 58-2041971  
 Canada GST/HST# 853680387RT0001

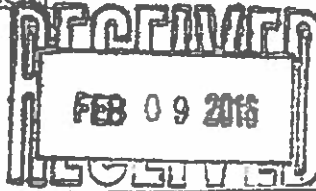
Form WB: [http://www.automationdirect.com/static/adc\\_w9.pdf](http://www.automationdirect.com/static/adc_w9.pdf)

Customer ID:
1181746

Invoice	Invoice Date
6732528	2/8/2016

Bill To:  
 ALLIANCE WATER RESOURCES INC  
 Po Box 1985  
 Lake Ozark, MO 65049-1985  
 US

Ship To:  
 ALLIANCE WATER RESOURCES INC  
 3 ANDERSON RD  
 LAKE OZARK, MO 65049  
 US



PAGE 1 of 1

Order Date	Order No	PO Number	Taker
2/8/2016 11:12:06	5268796	VERBAL	MHARRISON

Quantities					Item ID Item Description	Pricing UOM Unit Size	Unit Price	Extended Price
Ordered	Shipped	Remaining	UOM Unit Size	Disp.				

Carrier: FedEx Priority Overnight      Tracking #: 666224272340

1	0000	1	0000	0	0000	EA	1.0	AE16ANS0AC FREEDOM SIZE A STARTER 120 VAC COIL	EA	10	265.0000	265.00
Item Note: MADE IN DOMINICAN REPUBLIC HS 8536 50												
1	0000	1	0000	0	0000	EA	1.0	H2005B-3 FREEDOM OLOAD HEATER PK 120 - 1.96 AMPS	EA	10	86.2500	86.25
Item Note: MADE IN DOMINICAN REPUBLIC HS 8538 90												

Total Lines: 2

**SUB-TOTAL:** 351.25  
**TAX:** 0.00

**AMOUNT DUE:** 351.25

Due Date: 3/9/2016      Terms: Net 30



GL Acct#: 6705-204175.63      1222-204175.62      US Dollars

Signature: [Handwritten Signature]

Date: 2/9/16



Mail Payments To: Automationdirect.com, Inc.  
 P.O. Box 402417  
 Atlanta, GA 30384-2417  
 -OR-  
 Pay on the web at: www.automationdirect.com

Toll Free: 800-833-0405  
 A/R Direct: 770-889-7588  
 A/R Fax: 770-781-0564  
 Email: ar@automationdirect.com  
 US Tax ID: 58-2041971  
 Canada GST/HST# 853680387RT0001

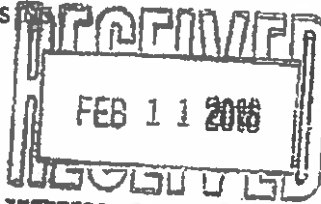
Form W9: [http://www.automationdirect.com/static/adc\\_w9.pdf](http://www.automationdirect.com/static/adc_w9.pdf)

Customer ID:
1181746

Invoice	Invoice Date
6737782	2/9/2016

Bill To:  
 ALLIANCE WATER RESOURCES  
 Po Box 1985  
 Lake Ozark, MO 65049-1985  
 US

Ship To:  
 ALLIANCE WATER RESOURCES INC  
 B ANDERSON RD  
 LAKE OZARK, MO 65049  
 US



PAGE 1 of 1

Order Date	Order No	PO Number	Taker
2/9/2016 14 53 17	5272175	REPL/5272174/VERBAL	LMARTIN

Quantities					Item ID Item Description	Pricing UOM Unit Size	Unit Price	Extended Price
Ordered	Shipped	Remaining	UOM Unit Size	Disp.				

Carrier: FedEx Ground

Tracking #: 666224361757

1.0000	1.0000	0.0000	EA		AE16FNSBAC FREEDOM SIZE F STARTER 120 VAC COIL	EA	436.2500	436.25
					Item Note: MADE IN DOMINICAN REPUBLIC HS 8536 50			
2.0000	2.0000	0.0000	EA		C320KGS3 AUX CONTACT BLOCK SIDE MOUNT. 1 NO AND 1 NC CONTACT / 1 PIECE	EA	60.5000	121.00
					Item Note: MADE IN USA HS 8536 41			

Total Lines: 2

SUB-TOTAL: 557.25

TAX: 0.00

Due Date: 3/10/2016

Terms: Net 30

AMOUNT DUE: 557.25

GL Acct#: 6705-20 \$278.63 1220-20 \$278.62 US Dollars  
 Signature: *[Handwritten Signature]*  
 Date: 2/11/16





Mail Payments To: Automationdirect.com, Inc.  
 -OR- P.O. Box 402417  
 Atlanta, GA 30384-2417  
 Pay on the web at: www.automationdirect.com

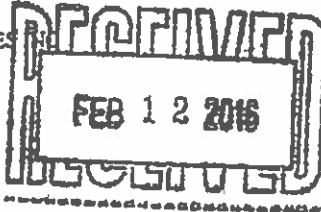
Toll Free: 800-833-0405  
 A/R Direct: 770-889-7688  
 A/R Fax: 770-781-0564  
 Email: ar@automationdirect.com  
 US Tax ID: 58-2041971  
 Canada GST/HST# 853680387RT0001

Form W9: [http://www.automationdirect.com/static/adc\\_w9.pdf](http://www.automationdirect.com/static/adc_w9.pdf)

Customer ID:
1181746

Invoice	Invoice Date
6745709	2/12/2016 09:49:10

Bill To:  
 ALLIANCE WATER RESOURCES INC  
 Po Box 1985  
 Lake Ozark, MO 65049-1985  
 US



Ship To:  
 ALLIANCE WATER RESOURCES INC  
 3 ANDERSON RD  
 LAKE OZARK, MO 65049  
 US

PAGE 1 of 1

Order Date	Order No	PO Number	Taker
2/9/2016 14 43.14	5272174	RTN/COE/VERBAL	LMARTIN

Quantities					Item ID Item Description	Pricing UOM Unit Size	Unit Price	Extended Price
Ordered	Shipped	Remaining	UOM Unit Size	Ship.				

Carrier:					Tracking #:			
-1 0000	-1 0000	0.0000	EA	10	AE16ANS0AC FREEDOM SIZE A STARTER 120 VAC COIL	EA	265.0000	-265.00
					Item Note: MADE IN DOMINICAN REPUBLIC HS 8536 50			
					Original: 6732528	2/8/2016 00:00:00		

Total Lines: 1

SUB-TOTAL: -265.00

TAX: 0.00

**AMOUNT DUE: -265.00**

Due Date:

Terms:

US Dollars



CREDIT

GL Acct#: 6705-20 \$32.50 1220-20 \$32.50

Signature: *[Handwritten Signature]*

Date: 2/12/16



Mail Payments To: Automationdirect.com, Inc.  
 -OR- P.O. Box 402417  
 Atlanta, GA 30384-2417  
 Pay on the web at: www.automationdirect.com

Toll Free: 800-633-0405  
 A/R Direct: 770-889-7588  
 A/R Fax: 770-781-0564  
 Email: ar@automationdirect.com  
 US Tax ID: 58-2041971  
 Canada GST/HST# 853680387RT0001

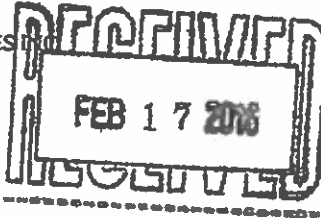
Form W8: [http://www.automationdirect.com/static/adc\\_w9.pdf](http://www.automationdirect.com/static/adc_w9.pdf)

Customer ID:
1181746

Invoice	Invoice Date
6755945	2/17/2016 09 52:37

FEB 19

Bill To:  
 ALLIANCE WATER RESOURCES INC  
 Po Box 1985  
 Lake Ozark, MO 65049-1985  
 US



Ship To:  
 ALLIANCE WATER RESOURCES INC  
 3 ANDERSON RD  
 LAKE OZARK, MO 65049  
 US

PAGE 1 of 1

Order Date	Order No	PO Number	Taker
2/12/2016 09 09:00	5278069	RTN/30DAY/VERBAL	LMARTIN

Quantities					Item ID Item Description	Pricing UOM Unit Size	Unit Price	Extended Price
Ordered	Shipped	Remaining	UOM Unit Size	Disp.				

Carrier: Tracking #:

-1.0000	-1.0000	0.0000	EA		C320KGS3	EA	60.5000	-60.50
				1.0	AUX CONTACT BLOCK, SIDE MOUNT, 1 NO AND 1 NC CONTACT / 1 PIECE	1.0		
					Item Note: MADE IN USA HS 8536 41			
					Original: 6737782	2/9/2016 00 00 00		

Total Lines: 1

SUB-TOTAL: -60.50  
 TAX: 0.00

Due Date: Terms:

AMOUNT DUE: -60.50

US Dollars



CREDIT

GL Acct#: 6705-20 \$30.25 1220-20 \$30.25

Signature: *[Handwritten Signature]*

Date: 2/17/16

**DAM STEEL & SUPPLY, INC.**

530 HIGHWAY D  
OSAGE BEACH, MO 65065  
(573) 348-1306

**INVOICE**

DATE

INVOICE NO.

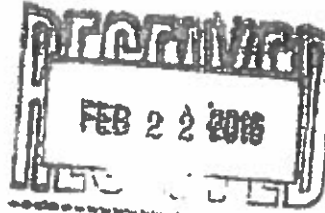
2/22/2016

BILL TO:

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

SHIP TO:

-----WATER SCREEN-----



P.O. NUMBER	TERMS	REP	SHIP	VIA	F.O.B.	PROJECT
	Net 30 Due By 10th	SB	2/22/2016			

QUANTITY	ITEM CODE	DESCRIPTION	PRICE EACH	AMOUNT
16	ANL/BX1/2	1/8" X 1 1/2" X 1 1/2" ANGLE	1.00	16.00
16	EX1/2	1/2" X 13# EXPANDED	2.10	33.60
2	SHOP LABOR	SHOP LABOR	65.00	130.00
		Sales Tax	5.725%	10.28
<i>SCREEN FOR UV CHANNEL</i>				
GL Acct#: <i>6705-20 \$100.08 1220-20 \$89.80</i>				
Signature: <i>[Signature]</i>			<i>4020</i>	
Date: <i>2/22/16</i>				
<i>[Signature]</i>				

We greatly appreciate your business! Check us out on Facebook!

**TOTAL**

\$189.88

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

Account Number	Account Name	2/29/2016				Percent YTD
		2014 Actual	2015 Actual	2016 Budget	2016 Actual as of 2/29/2016	
3020	Osage Beach	464,343.06	477,172.03	473,000.00	77,612.86	16%
3010	Lake Ozark	85,716.93	72,827.98	77,000.00	14,053.81	19%
3100	Interest	31.18	54.79	45.00	13.20	24%
3060	Waste Haulers' Fee	34,340.00	32,400.00	35,000.00	2,800.00	9%
<b>Total Operating Fund</b>		<b>584,431.17</b>	<b>582,454.80</b>	<b>585,045.00</b>	<b>94,479.87</b>	<b>16%</b>
<b>E/R Fund Income</b>		<b>1,025.06</b>	<b>884.81</b>	<b>1,000.00</b>	<b>124.04</b>	<b>14%</b>
<b>TOTAL INCOME</b>		<b>585,456.23</b>	<b>583,339.61</b>	<b>586,045.00</b>	<b>94,603.91</b>	<b>16%</b>





**MONTH-TO-DATE AND YEAR-TO-DATE  
EXPENDITURE/BUDGET ANALYSIS  
2/29/2016**

Account Number	Account Name	2014 Actual	2015 Actual	2016 Budget	2015 Actual as of 2/29/2016	2015 February Expenses	Percent YTD
4000	Equipment Replace Fund	41,606.04	41,606.04	41,606.04	6,934.34	3,467.17	17%
4010	ERF Repayment	0.00	0.00	0.00	0.00	0.00	
4020	*Maintenance & Repair	58,873.44	31,014.36	114,500.00	551.95	62.50	2%
4140	Insurance	16,502.00	16,306.00	17,000.00	0.00	0.00	0%
4150	***Vehicle Repair/Maint	9,186.16	1,508.78	8,000.00	101.64	0.00	7%
4160	Haulers Fees to Contractor	8,000.00	8,000.00	8,000.00	1,100.00	1,100.00	14%
4170	Contract Management	288,445.08	296,233.08	305,120.00	50,606.48	25,303.24	17%
4185	Electric	70,366.40	76,751.19	77,000.00	7,636.25	3,223.42	10%
4200	Audit	1,900.00	2,000.00	2,100.00	0.00	0.00	0%
4220	Professional Service	43,038.41	2,369.99	15,000.00	0.00	0.00	0%
4240	Capital Purchases	0.00	0.00	82,000.00	0.00	0.00	0%
	<b>Totals</b>	<b>537,917.53</b>	<b>476,789.44</b>	<b>670,326.04</b>	<b>66,930.66</b>	<b>33,156.33</b>	<b>14%</b>
	**E/R Expenses	9,429.93	1,869.72	25,500.00	1,830.00	1,830.00	98%
	<b>TOTAL EXPENSES</b>	<b>547,347.46</b>	<b>477,659.16</b>	<b>695,826.04</b>	<b>68,760.66</b>	<b>34,986.33</b>	<b>14%</b>
	<b>**Equipment &amp; Replacement</b>						
	Normal E/R	10,000.00					
	Replace impellers for RAS pumps	8,500.00					
	Rebuild Arm Support Clarifier #2	5,000.00					
	Replace doors	2,000.00 X					
		<u>25,500.00</u>					
	<b>***Vehicle Repair/Maint</b>						
	Vehicle Maintenance	3,000.00					
	Tires for Sludge Truck	5,000.00					
		<u>8,000.00</u>					
	<b>*Maintenance &amp; Repair</b>						
	Auto Dialer Yrly Software Fee						500.00
	Hazardous Location Cooling Unit for UV Rm						5,000.00
	Normal Maintenance						8,000.00
	UV Spare Parts						8,000.00
	Rock for Road						2,000.00
	Strip and refinish tile in Admin Bldg						1,000.00
	#1 Aeration Basin grit removal						90,000.00
							<u>114,500.00</u>



**OPERATING FUND INCOME AND EXPENSE SUMMARY**  
**2/29/2016**

Beginning Balance	193,467.01
Income - Osage Beach	38,392.93
Income - Lake Ozark	7,440.40
Income - Other	0.00
Income - Waste Haulers' Fees	600.00
Interest - Checking	6.48
Income - CD Interest	0.00
Transfers From E/R Fund	0.00
Transfers to E/R fund	-3,467.17
Expenses	-29,689.16
<b>Ending Fund Balance</b>	<b>206,750.49</b>
NOW Account - Central Bank	210,217.66
Outstanding Checks:	-3,467.17
Deposit in Transit:	0.00
	<b>206,750.49</b>

**EQUIPMENT REPLACEMENT FUND INCOME AND EXPENSE SUMMARY**  
**2/29/2016**

Beginning Balance	452,414.90
Interest - Checking	64.42
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
<b>Ending Fund Balance</b>	<b>455,946.49</b>
NOW Account - First Bank	151,478.06
CD Providence Bank, 10/16 #1268880	200,047.87
CD First Bank of the Lake, 01/17 #101318429	100,953.39
Deposit in Transit	3,467.17
Outstanding Checks:	0.00
	<b>455,946.49</b>





**Central Bank  
of Lake of the Ozarks**

P.O. Box 4500, Jefferson City, MO 65102  
(573) 318-2761

Fee changes effective April 1, 2016  
Account Activity/Instant Stmt \$4.00  
Collection of Draft or Check \$25.00  
Paper Statement fee \$3.00

RETURN SERVICE REQUESTED

AV 01 005329 86618B 19 A\*\*5DGT



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

Period 02/01/2016 - 02/29/2016 Page 1 of 2

Web Address www.cbolobank.com

2/1 05329 1/2

**Your Financial Summary on February 29, 2016**

	<u>Bank Deposits</u>	<u>Totals</u>
Bank Deposit Accounts:		
Checking	\$ 210,217.66	
Bank Deposit Total		\$ 210,217.66
Total Assets:	\$ 210,217.66	\$ 210,217.66

**Detailed Explanation of Account Balances and Other Assets**

**Basic Plus Interest Checking**

No. 000007297	Beginning Balance January 29, 2016	\$ 193,467.01			
<b>Deposits</b>					
Feb. 16	Deposit	7,440.40			
Feb. 16	Deposit	38,392.93			
Feb. 17	Deposit	600.00			
Feb. 29	Interest Earned	6.48			
<b>Total</b>		<b>+\$ 46,439.81</b>			
<b>Checks</b>					
Check No.	Date Paid	Amount	Check No.	Date Paid	Amount
3496	Feb. 26	3,223.42	3499	Feb. 18	1,100.00
3498	Feb. 18	25,303.24	3501	Feb. 18	62.50
<b>Total</b>					<b>-\$ 29,689.16</b>
<b>Ending Balance February 29, 2016</b>		<b>\$ 210,217.66</b>			

Number of days since last statement/interest cycle 29  
Beginning and ending dates for calculation of statement/interest cycle are 02/01/2016 through 02/29/2016  
Average collected balance 204,445.00  
Interest rate 0.04%  
Annual percentage yield earned 0.04%

End of Bank Deposits



Operating Fund

CHECK REGISTER - JOINT SEWER BOARD OPERATION FUND

	reconciled balance 11/30/15				168,803.94
3486	Zerger & Mauer LLP	X	1,778.49		167,025.45
3487	Ameren MO	X	4,555.96		162,469.49
3488	Equipment Replacement Fund	X	3,467.17		159,002.32
3489	Alliance Water Resources, Inc.	X	24,686.09		134,316.23
3490	Evans Enterprises, Inc	X	2,532.01	-	131,784.22
3491	Alliance Water Resources, Inc.	X	1,721.95	-	130,062.27
	Deposit LO	X	-	5,788.15	135,830.42
	Deposit OB	X		40,065.19	175,895.61
	Deposit	X		1,200.00	177,095.61
	Deposit	X		2,100.00	179,195.61
	Interest	X		5.87	179,201.28
	reconciled balance 12/31/15				179,201.28
3492	Ameren MO	X	4,412.83		174,788.45
3493	Equipment Replacement Fund	X	3,467.17		171,321.28
3494	Alliance Water Resources, Inc.	X	25,303.24		146,018.04
3495	Alliance Water Resources, Inc.	X	591.09		145,426.95
	Deposit LO	X	-	6,613.41	152,040.36
	Deposit OB	X		39,219.93	191,260.29
	Deposit	X		2,200.00	193,460.29
	Interest	X		6.72	193,467.01
	reconciled balance 1/31/16				193,467.01
3496	Ameren MO	X	3,223.42		190,243.59
3497	Equipment Replacement Fund	X	3,467.17		186,776.42
3498	Alliance Water Resources, Inc.	X	25,303.24		161,473.18
3499	Alliance Water Resources, Inc.	X	1,100.00		160,373.18
3500	VOID				160,373.18
3501	Alliance Water Resources, Inc.	X	62.50		160,310.68
	Deposit LO	X	-	7,440.40	167,751.08
	Deposit OB	X		38,392.93	206,144.01
	Deposit	X		600.00	206,744.01
	Interest	X		6.48	206,750.49
	reconciled balance 2/29/16				206,750.49







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

536 00010 26  
 ACCOUNT:  
 DOCUMENTS:

1  
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62

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

The following service charge increases will be effective February 1, 2016  
 Money Market monthly fee & excessive withdrawal fee increases to \$10 ea.,  
 Savings monthly fee increases to \$2ea and excessive withdrawals to \$1 ea.  
 and Foreign ATM fee increases to \$2.

BUSINESS MMDA ACCOUNT

LAST STATEMENT 01/29/16 153,243.64  
 1 CREDITS 64.42  
 1 DEBITS 1,830.00  
 THIS STATEMENT 02/29/16 151,478.06

DESCRIPTION  
 INTEREST

OTHER CREDITS

DATE AMOUNT  
 02/29 64.42

CHECKS  
 CHECK #..DATE.....AMOUNT CHECK #..DATE.....AMOUNT CHECK #..DATE.....AMOUNT  
 1013 02/04 1,830.00

I N T E R E S T

AVERAGE LEDGER BALANCE: 151,708.80 INTEREST EARNED: 64.42  
 AVERAGE AVAILABLE BALANCE: 151,708.80 DAYS IN PERIOD: 31  
 INTEREST PAID THIS PERIOD: 64.42 ANNUAL PERCENTAGE YIELD EARNED: .50%  
 INTEREST PAID 2016: 124.04  
 INTEREST PAID 2015: 613.63

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





JSB - CHECK REGISTERS 2016

<b>CHECK REGISTER - JOINT SEWER BOARD EQUIPMENT REPLACEMENT FUND</b>					
				<b>reconciled balance 6/30/15</b>	<b>139,750.78</b>
	Interest	X		59.19	139,809.97
1009	Check	X	221.10		139,588.87
1010	Check	X	9,322.33		130,266.54
	Deposit	X		3,467.17	133,733.71
					<b>reconciled balance 7/31/15</b>
	Interest	X		57.16	133,790.87
1011	Check	X	2,850.00		130,940.87
	Deposit	X		2,850.00	133,790.87
	Deposit	X		3,467.17	137,258.04
					<b>reconciled balance 8/31/15</b>
	Interest	X		57.02	137,315.06
	Deposit	X		3,467.17	140,782.23
					<b>reconciled balance 9/30/15</b>
	Interest	X		57.89	140,840.12
1012	Check	X	1,648.62		139,191.50
	Deposit	X		3,467.17	142,658.67
					<b>reconciled balance 10/31/15</b>
	Interest	X		61.10	142,719.77
	Deposit	X		3,467.17	146,186.94
					<b>reconciled balance 11/30/15</b>
	Interest	X		62.74	146,249.68
	Deposit	X		3,467.17	149,716.85
					<b>reconciled balance 12/31/15</b>
	Interest	X		59.62	149,776.47
	Deposit	X		3,467.17	153,243.64
					<b>reconciled balance 1/31/16</b>
	Interest	X		64.42	153,308.06
1013	Check	X	1,830.00		151,478.06
	Deposit	0		-	151,478.06
					<b>reconciled balance 2/29/16</b>
					<b>151,478.06</b>





**OPERATING DIVISIONS**

*MISSOURI*

- Atchison County
- Bonne Terre
- Boonville
- Bowling Green
- Buchanan County #1
- Cameron
- Cape Girardeau
- Carroll County #1
- 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
- Necsho
- 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 February 2016**

Submitted by Alliance Water Resources, Inc. for the

March 2016

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

	<u>BOD</u> <u>mg/l</u>	<u>TSS</u> <u>mg/l</u>	<u>pH</u>	<u>E.coli</u> <u>Colonies/100 ml</u>	<u>Coliform</u>	<u>Ammonia</u> <u>as N mg/L</u>	<u>O&amp;G</u> <u>mg/L</u>	<u>Metals</u> <u>Selenium ug/L</u>
Monthly Average	2.4	2.1	NA	0		0.06	<5.0	0
Peak Day	2.6	2.6	7.9	0		0.08	<5.0	0
Percent Removal	98.9	99.0	NA	NA		NA	NA	NA

## NPDES EFFLUENT LIMITATIONS

	<u>BOD</u> <u>mg/l</u>	<u>TSS</u> <u>mg/l</u>	<u>pH</u>	<u>E.coli</u> <u>Colonies/100 ml</u>	<u>Coliform</u>	<u>Ammonia</u> <u>as N mg/L</u>	<u>O&amp;G</u> <u>mg/L</u>	<u>Metals</u> <u>Selenium ug/ L</u>
Monthly Average	30	30	6-9	126		2.7	10	4.0
Weekly Average	45	45		630				
Daily Max						10.6	15	8.1

## PLANT HYDRAULIC AND ORGANIC LOADING

The average daily influent flow for the month was 0.900 MGD or 30% of Permitted flow with Lake Ozark contributing 14% of the total flow and Osage Beach contributing 86%. Daily influent flow BOD and TSS data is presented in Table A. Daily flow for the month and rainfall are shown in Figure 2. A three-year flow history for each of the two cities is presented in Table B.

Organic loading for the month was 48333 pounds of BOD.

## BIOSOLIDS APPLICATION AND INVENTORY

Plant personnel land applied 0 tanker loads of bio-solids during the month equivalent to a total of 0 gallons and 0 pounds dry weight solids.

0 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 486,875 gallons with a level of 6.0 feet in Tank 1 and 3.5 feet in Tank 2.





## WASTEHAULERS

The plant received 6 loads of septage during the month totaling 15,000 gallons.

## WWTP OPERATIONS

- Decanting digesters and wasting weekly.
- Normal operations.
- We put Clarifier #3 back in service on the 29<sup>th</sup> of February.

## WWTP MAINTENANCE AND REPAIR

- Performed routine maintenance throughout the month as per Antero Maintenance Data Management schedule. (New version of Operator 10 Software)
- We started having trouble with the inlet valve on RAS pump #2 during the 1st week of the February. We took the actuator inspection plate off and found some broken parts that were causing the problem. We contacted the factory rep and he said that the parts that we needed weren't available anymore, but thought he could get a replacement actuator. We want to make sure that is what need before ordering it and have been having a problem getting it off to make sure, but will get it done as soon we get the proper tools to remove it. A replacement actuator will cost around \$1,000.00 plus shipping.
- We got all the parts for the pista grit system back from GLW on the 16<sup>th</sup> of February and got everything put back together and back in service on the 18<sup>th</sup>.
- We finally received the correct control panel parts for bar screen #1 and got it back in service on the 23<sup>rd</sup> of February.

## SAFETY

- We conducted our monthly routine Safety Meeting on Bloodborne Pathogens on the 9<sup>th</sup> of February.

## REGULATORY AGENCY, INSPECTION AND REPORTS

- We filled out the EDMR on MDNR website on the 4<sup>th</sup> of March.

## MISCELLANEOUS AND RECOMMENDATIONS



**TABLE A  
LAKE OZARK/OSAGE BEACH WWTP**

**MONTH OF February 2016**

DATE	RAIN FALL IN.	FLOW					BOD 5 MG/L			TSS MG/L		
		LO mgd	OB mgd	COMB mgd	% LO	% OB	LO mg/l	OB mg/l	COMB mg/l	LO mg/l	OB mg/l	COMB mg/l
1-Feb	0	0.122	0.786	0.908	13.4	86.6						
2-Feb	0	0.120	0.838	0.958	12.5	87.5						
3-Feb	0	0.118	0.764	0.882	13.4	86.6						
4-Feb	0	0.124	0.691	0.815	15.2	84.8						
5-Feb	0	0.122	0.702	0.824	14.8	85.2	155	228	235	84	216	238
6-Feb	0	<b>0.125</b>	<b>0.743</b>	<b>0.868</b>	<b>14.4</b>	<b>85.6</b>						
7-Feb	0	<b>0.131</b>	<b>0.794</b>	<b>0.925</b>	<b>14.2</b>	<b>85.8</b>						
8-Feb	0	0.128	0.691	0.819	15.6	84.4						
9-Feb	0	0.125	0.659	0.784	15.9	84.1						
10-Feb	0	0.108	0.674	0.782	13.8	86.2						
11-Feb	0	0.124	0.665	0.789	15.7	84.3						
12-Feb	0	0.113	0.683	0.796	14.2	85.8	193	195	218	172	150	170
13-Feb	0	<b>0.132</b>	<b>0.782</b>	<b>0.914</b>	<b>14.4</b>	<b>85.6</b>						
14-Feb	<b>0.25</b>	<b>0.128</b>	<b>0.830</b>	<b>0.958</b>	<b>13.4</b>	<b>86.6</b>						
15-Feb	0	0.127	0.783	0.910	14.0	86.0						
16-Feb	0.3	0.126	0.793	0.919	13.7	86.3						
17-Feb	0	0.136	0.823	0.959	14.2	85.8						
18-Feb	0	0.115	0.777	0.892	12.9	87.1						
19-Feb	0	0.135	0.767	0.902	15.0	85.0	158	200	225	128	196	228
20-Feb	0	<b>0.142</b>	<b>0.930</b>	<b>1.072</b>	<b>13.2</b>	<b>86.8</b>						
21-Feb	0	<b>0.179</b>	<b>1.052</b>	<b>1.231</b>	<b>14.5</b>	<b>85.5</b>						
22-Feb	0	0.143	0.895	1.038	13.8	86.2						
23-Feb	0	0.115	0.724	0.839	13.7	86.3						
24-Feb	0.25	0.120	0.714	0.834	14.4	85.6						
25-Feb	0	0.119	0.686	0.805	14.8	85.2						
26-Feb	0	0.111	0.707	0.818	13.6	86.4	188	233	210	158	186	206
27-Feb	0	<b>0.117</b>	<b>0.805</b>	<b>0.922</b>	<b>12.7</b>	<b>87.3</b>						
28-Feb	0	<b>0.131</b>	<b>0.875</b>	<b>1.006</b>	<b>13.0</b>	<b>87.0</b>						
29-Feb	0	0.125	0.811	0.936	13.4	86.6						
SUM	0.8	3.661	22.444	26.105								
AVG		0.126	0.774	0.900	14	86	174	214	222	136	187	211

**NOTE: BOLD PRINT INDICATES WEEKEND DAYS**

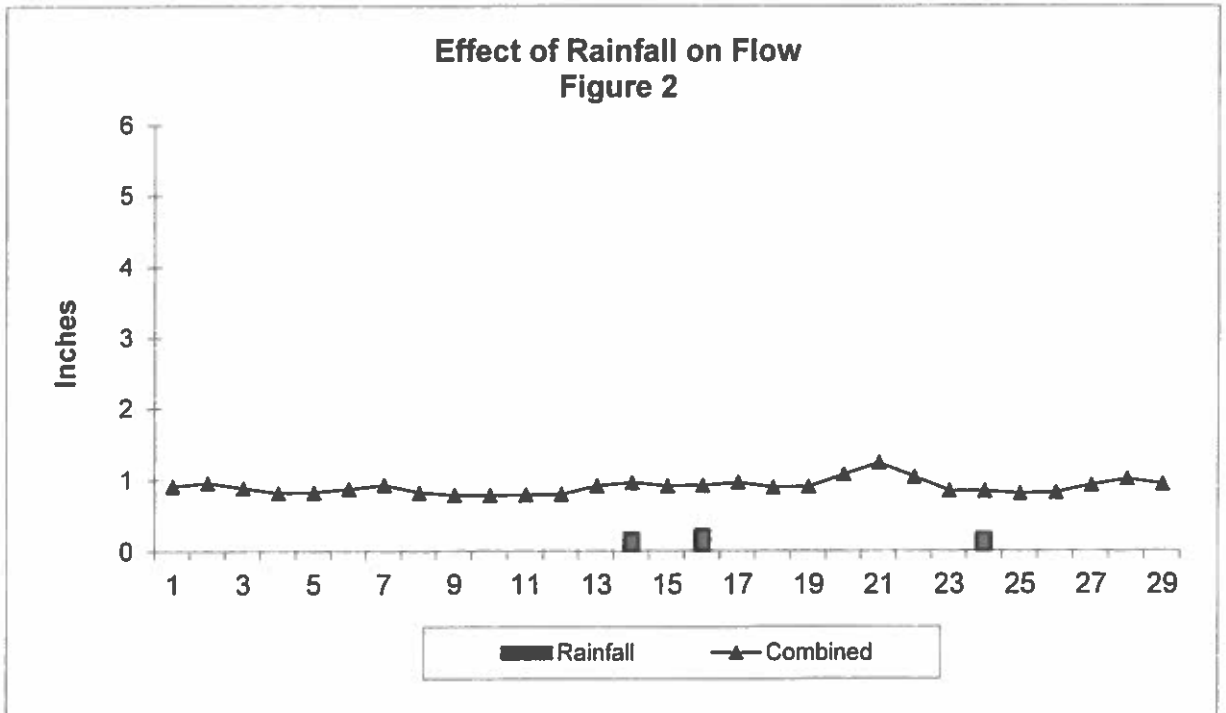
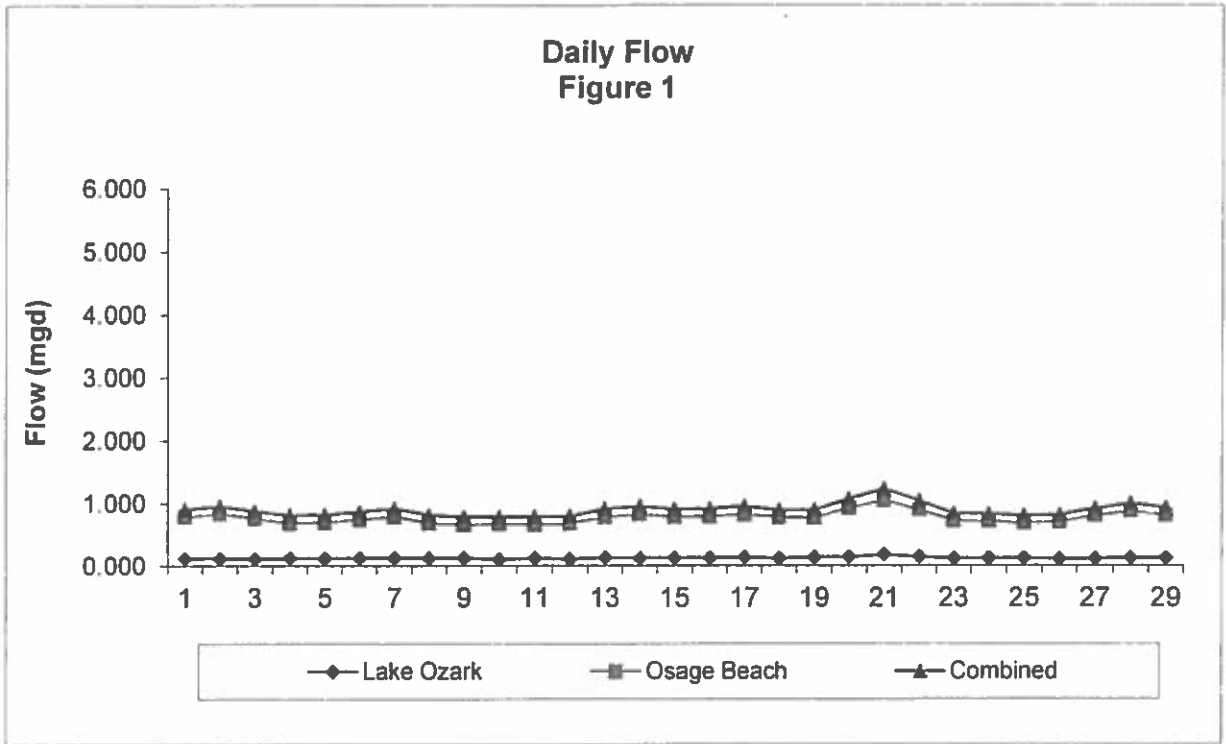
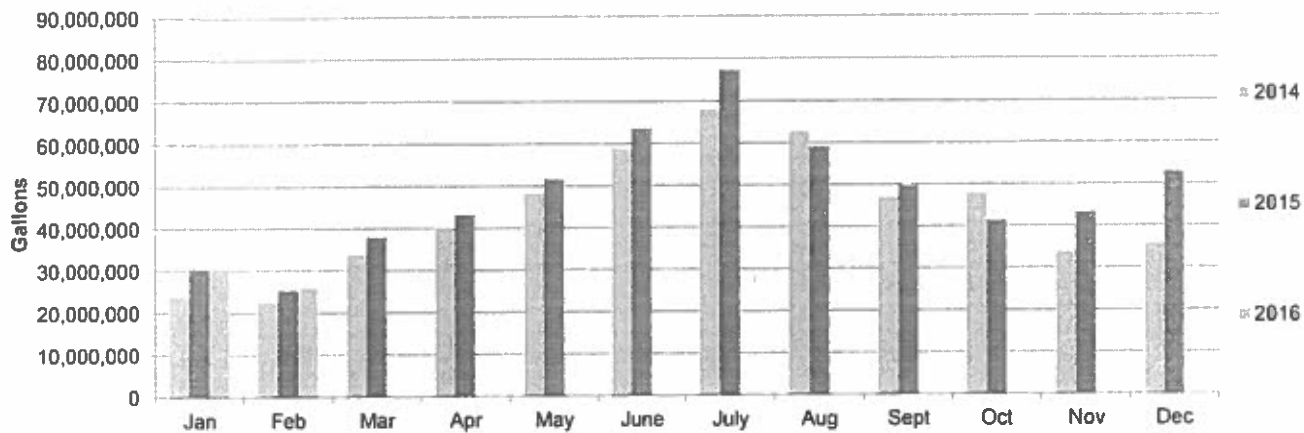


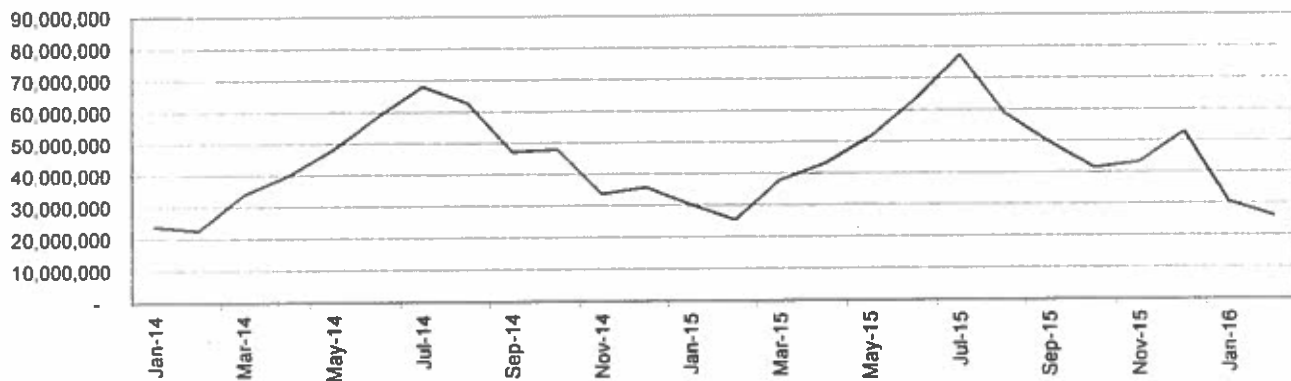
TABLE B  
JOINT SEWER BOARD  
Monthly Flows

<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	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%
<u>2015</u>	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	0.9	26,319,000	87%	4,085,000	13%	30,404,000	100%
February	1.4	21,892,000	86%	3,465,000	14%	25,357,000	100%
March	4.5	32,996,000	87%	4,920,000	13%	37,916,000	100%
April	4.0	37,220,000	86%	5,945,000	14%	43,165,000	100%
May	7.2	44,456,000	86%	7,209,000	14%	51,665,000	100%
June	7.1	54,745,000	86%	8,769,000	14%	63,514,000	100%
July	9.7	66,474,000	86%	10,871,000	14%	77,345,000	100%
August	3.5	51,695,000	88%	7,327,000	12%	59,022,000	100%
September	3.1	43,144,000	87%	6,531,000	13%	49,675,000	100%
October	1.8	36,230,000	87%	5,216,000	13%	41,446,000	100%
November	10.8	37,047,000	86%	6,247,000	14%	43,294,000	100%
December	11.7	44,392,000	84%	8,603,000	16%	52,995,000	100%
	65.7	496,610,000	87%	79,188,000	13%	575,798,000	100%
<u>2016</u>	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	0.8	26,604,000	87%	4,001,000	13%	30,605,000	100%
February	0.8	22,444,000	86%	3,661,000	14%	26,105,000	100%
March							
April							
May							
June							
July							
August							
September							
October							
November							
December							
	1.6	49,048,000	86%	7,662,000	14%	56,710,000	100%

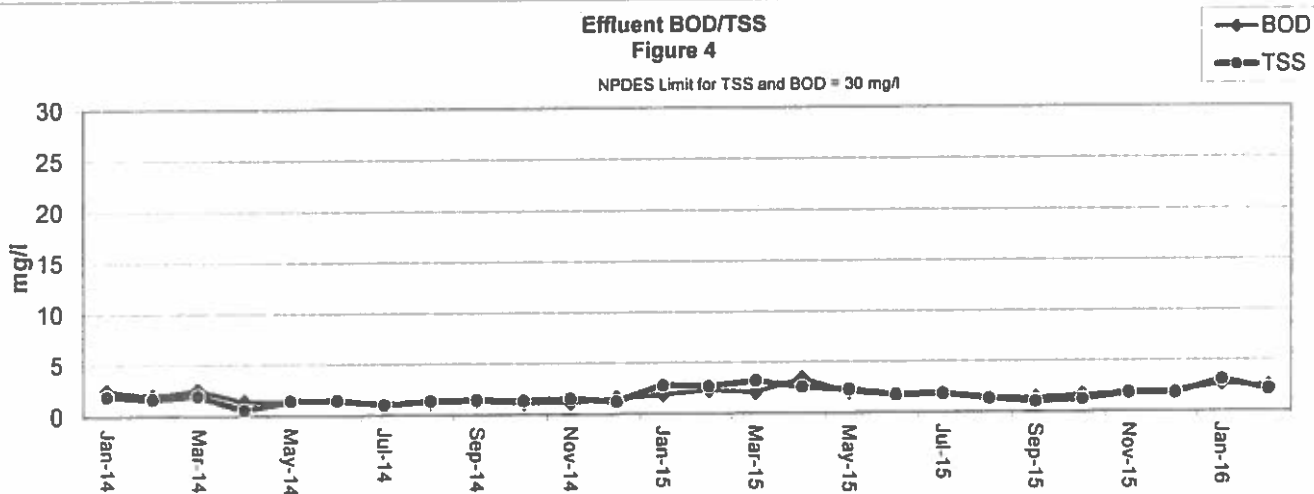
Monthly Influent Flow  
Figure 3A



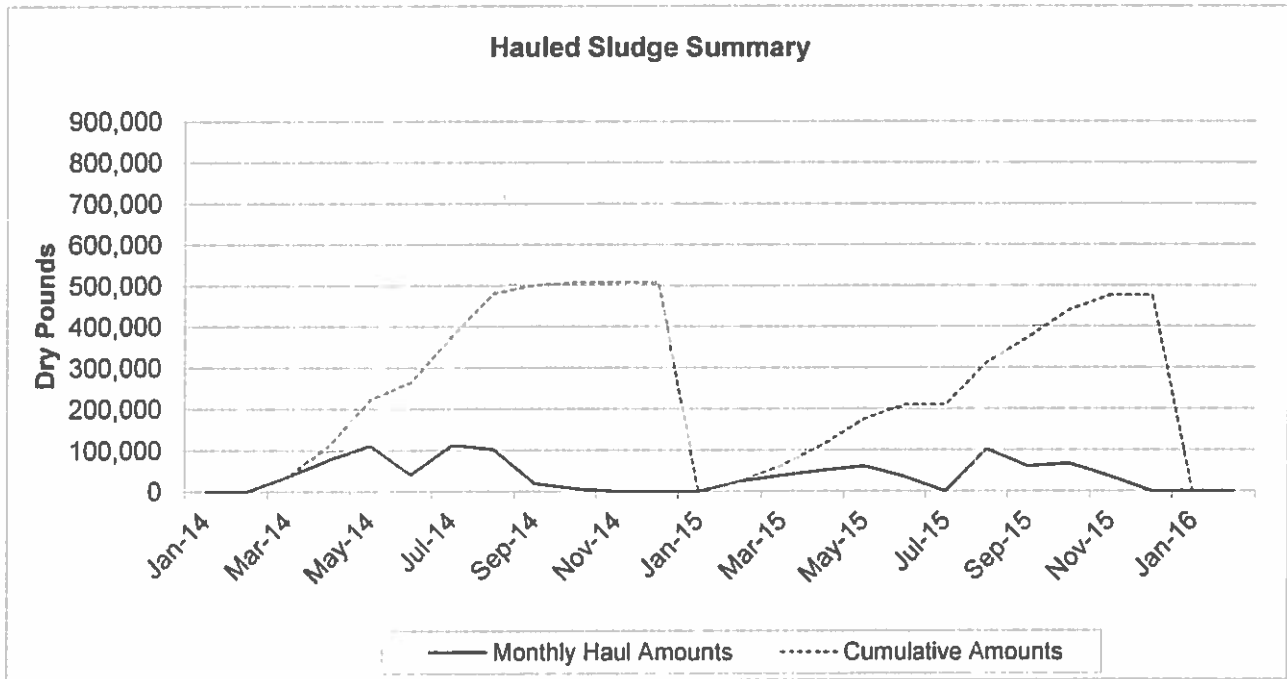
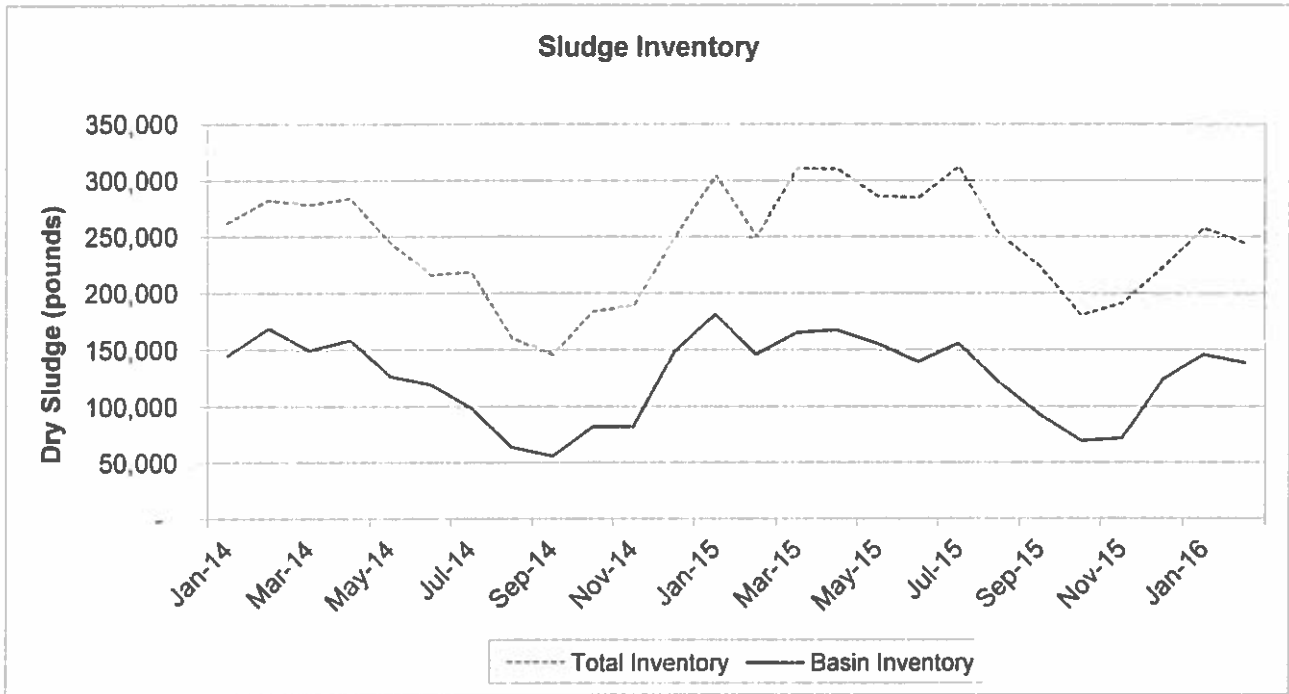
Monthly Influent Flow  
Figure 3B



Effluent BOD/TSS  
Figure 4

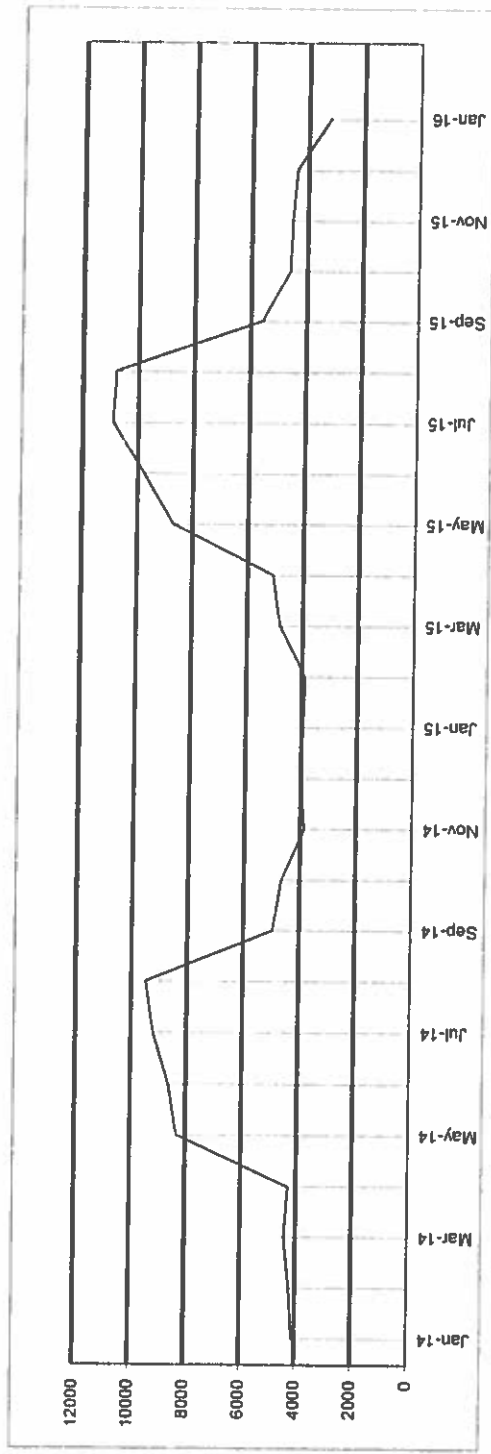


Date	Loads	Gallons	Hauled Sludge		% Solids	Annual Cumulative # Dry	Basin Depths			# Dry	Blanket Depths			MLSS Inventory			Blanket and MLSS Inventory			MLSS % Solids	Stock Inventory	Total Dry	Accepted Septage Loads	Gallons
			# Dry	% Solids			Tank #1	Tank #2	AB #1		AB #2	AB #3	MLSS AB #1	MLSS AB #2	MLSS AB #3	Clear #1	Clear #2	Clear #3	Gallons					
Jan-14	0	-	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	117,382	0.00383	262,633	22	54,500		
Feb-14	0	-	0	0	4.3%	-	5.0	5.0	0.0	472,500	169,448	1.5	2.5	0.0	3,410	4,030	3,671,048	113,864	0.00372	283,341	6	15,000		
Mar-14	29	107,300	35,703	0	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	0	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	0	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	0.00338	245,638	24	60,000		
Jun-14	41	151,700	40,455	0	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	28	61,000		
Jul-14	117	432,800	112,292	0	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	219,684	44	111,500		
Aug-14	107	395,900	102,973	0	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	0	3.8%	500,023	2.5	1.5	0.0	180,000	56,693	0.0	1.5	2.0	2,670	3,210	3,670,071	89,989	0.00294	146,682	37	92,500		
Oct-14	5	18,500	6,789	0	4.4%	506,812	4.0	1.0	0.0	225,000	82,569	0.0	1.5	2.0	2,990	3,620	3,713,469	102,358	0.00331	184,927	20	50,000		
Nov-14	0	-	0	0	4.4%	506,812	4.0	1.0	0.0	225,000	82,566	0.0	2.0	2.0	3,630	3,330	3,678,952	106,775	0.00348	189,341	20	50,000		
Dec-14	0	-	0	0	4.4%	506,812	5.0	4.0	0.0	405,000	148,619	0.0	2.0	2.0	3,060	3,060	3,722,380	101,516	0.00327	250,135	10	40,000		
Jan-15	0	-	0	0	4.4%	506,812	5.5	5.5	0.0	495,000	181,645	2.0	2.0	2.0	3,900	4,160	3,677,048	123,385	0.00403	305,030	22	55,000		
Feb-15	20	74,000	24,069	0	3.9%	530,881	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	39,603	0	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		
Apr-15	44	162,800	50,607	0	3.7%	113,279	6.0	6.0	0.0	540,000	167,861	2.5	2.0	2.0	5,180	4,000	3,723,357	142,532	0.00459	310,393	23	57,500		
May-15	55	203,500	61,284	0	3.6%	174,563	5.5	6.0	0.0	517,500	155,845	1.5	2.0	4.0	4,030	4,110	3,635,879	130,204	0.00407	286,049	26	65,000		
Jun-15	35	129,500	35,024	0	3.2%	209,587	8.0	3.5	0.0	517,500	139,961	2.0	1.0	3.0	4,630	4,550	3,783,570	144,837	0.00459	284,786	37	92,500		
Jul-15	0	-	0	0	3.2%	209,587	6.5	6.5	0.0	585,000	155,125	1.0	2.0	1.0	5,470	4,660	3,696,714	156,157	0.00507	312,282	42	104,000		
Aug-15	107	395,900	102,356	0	3.1%	311,943	6.5	4.0	0.0	472,500	122,160	0.5	1.0	0.5	4,170	4,400	3,648,357	130,533	0.00429	252,693	44	110,000		
Sep-15	55	203,500	60,420	0	3.6%	372,363	5.5	1.5	0.0	315,000	93,525	1.0	1.0	1.0	4,480	3,570	3,678,952	130,400	0.00425	223,925	32	80,000		
Oct-15	59	218,300	67,949	0	3.7%	440,312	4.0	1.0	0.0	225,000	70,034	1.0	1.0	1.0	3,310	3,920	3,678,952	110,917	0.00352	180,952	22	55,000		
Nov-15	30	111,000	35,734	0	3.9%	476,046	3.0	2.0	0.0	225,000	72,434	1.0	3.0	1.0	3,440	4,430	3,714,476	118,803	0.00364	191,237	19	47,500		
Dec-15	0	-	0	0	3.9%	476,046	4.5	4.0	0.0	382,500	124,412	2.0	0.5	1.5	4,460	1,940	3,709,547	99,000	0.0032	223,412	21	52,500		
Jan-16	0	-	0	0	3.9%	476,046	5.0	5.0	0.0	450,000	146,367	0.5	0.5	0.0	3,760	3,610	3,617,782	111,184	0.00369	257,551	22	55,000		
Feb-16	0	-	0	0	3.9%	476,046	6.0	3.5	0.0	427,500	139,049	1.0	1.0	0.0	3,210	3,730	3,635,524	105,211	0.00347	244,260	6	15,000		

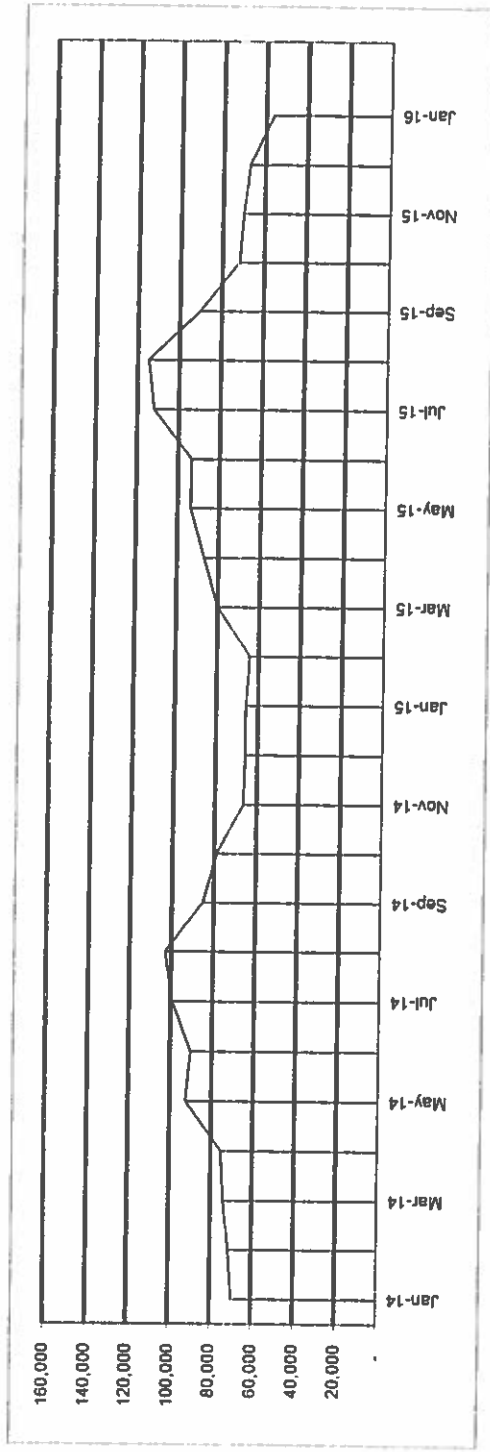




### Electric Cost



### Kilowatts Used



### Electric Cost Kilowatts Used

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
Apr-15	5084	87,050
May-15	8707	93,810
Jun-15	9772	93,490
Jul-15	10912	112,040
Aug-15	10807	114,770
Sep-15	5585	90,520
Oct-15	4620	71,940
Nov-15	4556	70,170
Dec-15	4413	67,300
Jan-16	3223	56,290



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


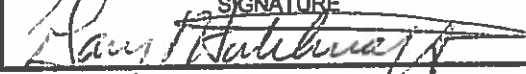
NAME OF FACILITY						LOCATION ADDRESS & CITY						COUNTY/REGION		
Lake of the Ozarks Regional WWTP #1						#3 Anderson Road						Miller/SWRO		
MONTH/YEAR		PERMIT NUMBER				OUTFALL NUMBER		TYPE TREATMENT FACILITY						
Feb-16		MO-0103241				#001		Oxidation Ditch/UV/Sludge Holding-sludge is land applied						
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	7.3			10.8	1.440	7.7				6.0		9.6		
2	7.4			11.6	1.421	7.8				5.8		11.0		
3	7.4			9.9	1.315	7.8				6.3		9.1		
4	7.3			9.6	1.431	7.8			0.04	6.9		7.8		
5	7.3	235	238	10.3	1.456	7.8	2.4	2.0		6.6		8.0	99.0	99.2
6	7.4			10.2	1.432	7.8				6.4		8.2		
7	7.4			11.3	1.516	7.8				6.8		9.1		
8	7.3			10.3	1.338	7.8				6.9		8.4		
9	7.4			9.5	1.390	7.9				7.9		7.8		
10	7.4			9.3	1.351	7.8				7.3		6.5		
11	7.4			9.3	1.463	7.7			0.05	7.3		6.4		
12	7.4	218	170	10.1	1.435	7.8	2.4	2.0		7.3		7.6	98.9	98.8
13	7.4			8.6	1.477	7.7				7.3		6.1		
14	7.4			9.0	1.640	7.7				7.0		6.2		
15	7.3			8.4	1.577	7.7				6.9		6.7		
16	7.4			10.3	1.590	7.7				6.4		8.7		
17	7.4			10.0	1.551	7.7				6.4		7.9		
18	7.4			10.3	1.692	7.7			0.06	6.4		8.5		
19	7.3	225	228	11.9	1.677	7.7	2.2	2.6		6.3		10.6	99.0	98.9
20	7.5			10.5	1.688	7.8				6.9		10.8		
21	7.4			11.2	1.695	7.8				6.7		11.6		
22	7.5			10.8	1.538	7.8				6.9		10.8		
23	7.3			10.7	1.376	7.8				6.3		10.4		
24	7.4			10.6	1.392	7.8				7.1		9.7		
25	7.4			10.2	1.408	7.8			0.08	6.3		9.5		
26	7.4	210	206	10.7	1.156	7.8	2.6	1.8		6.3		8.7	98.8	99.1
27	7.3			10.5	1.180	7.8				6.9		8.4		
28	7.2			12.1	1.408	7.8				6.2		10.5		
29	7.3			11.0	1.297	7.8				6.5		10.4		
Total					42.330									
Avg		222	211	10.3	1.460		2.4	2.1	0.06	6.7	0.0	8.8	98.9	99.0
Min	7.2	210	170	8.4	1.156	7.7	2.2	1.8	0.04	5.8	0.0	6.1	98.8	98.8
Max	7.5	235	238	12.1	1.695	7.9	2.6	2.6	0.08	7.9	0.0	11.6	99.0	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	< 5.0		
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
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				* Ambient Temp ° F	*RAIN inches	Time
		* DO mg/l	** MLSS mg/l	*Settleability		* DO mg/l	** MLSS mg/l	*Settleability				
				*30 min ml	Temp ° C			*30 min ml	Temp ° C			
1		1.4	3,850	490	9.6	1.8	2,270	330	9.8	41	0	7:30
2		1.3	3,860	400	11.1	1.4	3,430	380	11.2	55	0	7:30
3		1.3	2,950	360	9.1	1.6	2,920	350	9.3	36	0	7:30
4		2.7	3,220	400	7.2	2.6	2,040	300	7.8	19	0	7:30
5		1.6	3,220	350	7.9	2.6	3,370	450	8	25	0	7:30
6		1.5	3,070	320	8	2.3	3,550	430	8.2	27	0	7:30
7		1.8	3,920	540	8.8	2.5	2,880	280	9	43	0	7:30
8		1.5	3,330	330	7.8	2.9	3,500	330	8.2	32	0	7:30
9		2.5	3,080	340	7.2	3.8	3,740	520	7.7	23	0	7:30
10		3.5	3,110	370	6.5	4.1	2,970	460	6.3	26	0	7:30
11		3.6	3,570	400	7	3.9	3,440	420	6.8	25	0	7:30
12		3.3	3,600	420	6.8	4.6	3,520	430	7.2	33	0	7:30
13		3.6	3,670	410	6.1	5.3	3,350	390	6.2	23	0	7:30
14		2.0	4,070	560	5.9	4.0	3,230	340	6.1	29	0.25	7:30
15		2.3	4,220	500	6.6	3.4	2,810	430	6.9	34	0	7:30
16		1.5	3,420	510	7.9	1.9	2,950	430	7.9	39	0.3	7:30
17		1.7	3,990	500	8	1.9	3,370	340	8.1	35	0	7:30
18		1.4	4,230	610	8.9	3.8	2,290	290	8.6	43	0	7:30
19		1.1	4,860	600	11.4	2.0	2,900	270	10.8	64	0	7:30
20		2.0	4,300	530	10.3	3.9	2,680	300	10.2	40	0	7:30
21		1.6	2,170	300	11.4	2.4	3,910	500	11.3	46	0	7:30
22		2.3	3,620	340	10.5	2.8	3,820	420	10.6	32	0	7:30
23		1.8	3,130	310	9.9	1.7	3,990	580	10.3	35	0	7:30
24		1.1	2,810	290	9.7	1.2	3,770	510	9.8	41	0.25	7:30
25		1.3	3,020	360	9.1	1.9	3,400	430	9.4	34	0	7:30
26		1.2	3,240	370	8.8	1.7	3,770	480	8.8	36	0	7:30
27		2.7	2,960	360	8.6	2.4	3,200	420	8.6	30	0	7:30
28		1.8	3,380	380	10.7	2.3	2,930	400	10.8	56	0	7:30
29		1.3	3,210	360	10.5	1.3	3,730	420	10.5	35	0	7:30
												7:30
												7:30

COMMENTS:

TESTS PERFORMED BY (PRINT) John Hornback	SIGNATURE 	PHONE # (573)365-0455	DATE 3/4/2016
REPORT APPROVED BY (PRINT) Gary Hutchcraft	SIGNATURE 	PHONE # (573)365-0455	DATE 3/4/2016

\*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	TO	YEAR	MO	DAY
2016	02	01		2016	02	29

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

Parameter	REPORTD	MASS		Unit	CONCENTRATION			Unit	FREQUENCY OF ANALYSIS	SAMPLE TYPE	LAB CODE
		REQRMNT	REQRMNT		REQRMNT	REQRMNT	REQRMNT				
BOD, 5-day, 20 deg. C (00310)	REPORTD	*****	*****		2.6	2.4	*****	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	1.695	1.460		*****	*****	*****		Daily	Record	
Stage Type: End of Pipe	REQRMNT	Daily Maximum Monitoring Required	Monthly Average Monitoring Required	Mgal/d	*****	*****	*****		Daily	Record	
Nitrogen, ammonia total (as N) (00610)	REPORTD	*****	*****		.08	.06	*****	mg/L	Weekly	Grab	
Stage Type: End of Pipe	REQRMNT	*****	*****		Daily Maximum: 10.6	Monthly Average: 2.7	*****		Weekly	Grab	
Oil and grease (saxhlet 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	7.9	*****	SU	Weekly	Grab	
Stage Type: End of Pipe	REQRMNT	*****	*****		Minimum: 6	Maximum: 9	*****		Weekly	Grab	
Temperature, water deg. celsius (00010)	REPORTD	*****	*****		11.6	8.8	*****	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	*****	*****		2.6	2.1	*****	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 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	Gary F Hutchcraft	2016-03-04 09:25:31	573-565-0455
TYPED OR PRINTED NAME	SIGNATURE	Date	

LAKE OZARHOOSAGE BEACH WWTP  
Operation Report

for FEBRUARY 2016  
per

Date	Flow (MGD)	PRE-TREATMENT			COMBINATION INTERVENOR 4			COMBINATION INTERVENOR 3			COMBINATION INTERVENOR 2			COMBINATION INTERVENOR 1			PLANT EFFLUENT			WASTEWATER REUSE										
		Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)								
1	0.122	0.796	0.908	0.732	10.8	PC	0	41	3,850	490	127	7.46	1.4	2,270	370	145	7.48	1.8	1.0	1.0	0.0	1,400	7.66	0.732	6.350					
2	0.120	0.918	0.918	7.42	11.6	C	0	55	3,860	400	104	7.58	1.3	3,430	180	111	7.53	1.4	1.0	1.0	0.0	1,121	7.81	0.567	9.455					
3	0.118	0.764	0.883	7.79	9.0	C	0	36	2,950	360	122	7.53	1.3	2,920	350	120	7.51	1.6	1.0	2.0	0.0	1,151	7.75	0.648	5.425					
4	0.124	0.691	0.815	7.31	10.2	C	0	19	2,250	400	124	7.65	2.7	2,040	300	147	7.63	2.6	1.0	0.0	1,431	7.80	0.617	8.015						
5	0.122	0.702	0.824	7.32	10.3	PC	0	25	3,220	350	109	7.54	1.6	3,170	450	126	7.56	2.6	1.0	0.0	1,456	7.77	0.591	6.516						
6	0.125	0.748	0.868	7.45	10.2	C	0	27	3,070	320	104	7.66	1.5	3,260	430	121	7.62	2.3	1.0	0.0	1,432	7.82	0.739	3.975						
7	0.131	0.724	0.925	7.35	11.1	PC	0	41	3,570	540	118	7.59	1.8	2,860	260	97	7.6	2.3	1.0	0.0	1,516	7.80	0.609	11.652						
8	0.128	0.691	0.819	7.33	10.1	C	0	32	3,330	330	99	7.58	1.5	3,500	370	94	7.62	2.9	1.5	1.0	0.0	1,338	7.84	0.815	6.755					
9	0.125	0.659	0.784	7.43	9.5	C	0	23	3,080	340	110	7.61	2.5	3,740	520	139	7.62	3.8	1.0	1.0	0.0	1,339	7.86	0.811	5.600					
10	0.108	0.674	0.782	7.39	9.3	C	0	26	3,110	370	119	7.58	3.5	2,970	460	155	7.59	4.1	1.0	1.0	0.0	1,331	7.76	0.441	9.595					
11	0.124	0.665	0.789	7.35	9.3	PC	0	25	3,570	400	112	7.55	3.6	3,440	420	122	7.55	3.9	1.0	1.5	0.0	1,463	7.70	0.504	7.825					
12	0.113	0.683	0.796	7.35	10.1	PC	0	33	3,600	420	117	7.58	3.3	3,520	430	122	7.58	4.6	1.0	1.0	0.0	1,435	7.76	0.358	7.185					
13	0.132	0.782	0.914	7.36	8.6	PC	0	21	3,670	410	112	7.58	3.6	3,350	390	116	7.62	5.3	0.5	1.0	0.0	1,471	7.72	0.393	7.650					
14	0.128	0.820	0.954	7.41	9	S	0.25	29	4,070	560	138	7.55	2	3,230	340	105	7.58	4.0	1.0	1.0	0.0	1,664	7.74	0.504	7.235					
15	0.127	0.783	0.919	7.43	8.4	C	0	34	4,220	500	118	7.49	2.3	2,810	430	153	7.49	3.4	1.0	1.0	0.0	1,577	7.68	0.598	6.650					
16	0.126	0.793	0.919	7.43	10.1	R	0.3	29	3,420	510	149	7.53	1.5	2,980	410	146	7.53	1.9	1.5	1.5	0.0	1,597	7.72	0.507	11.190					
17	0.136	0.823	0.959	7.39	10	PC	0	35	3,990	500	125	7.53	1.7	3,370	340	101	7.52	1.9	1.0	1.0	0.0	1,551	7.72	0.412	10.945					
18	0.115	0.777	0.892	7.28	7.46	10.3	PC	0	41	4,230	610	144	7.57	1.4	2,290	290	127	7.61	3.8	1.0	1.0	0.0	1,602	7.74	1.071	6.015				
19	0.135	0.767	0.907	7.28	11.9	PC	0	61	4,850	600	123	7.49	1.1	2,900	270	93	7.51	2.0	1.0	1.5	0.0	1,677	7.67	1.528	6.630					
20	0.142	0.926	1.072	7.45	10.5	C	0	40	4,300	530	123	7.6	2	2,660	300	112	7.63	3.9	1.5	2.5	0.0	1,638	7.83	1.247	4.780					
21	0.179	1.032	1.211	7.46	10.9	PC	0	32	3,620	340	94	7.64	2.3	3,820	420	110	7.59	2.8	1.0	1.5	0.0	1,538	7.83	0.653	5.675					
22	0.143	0.825	1.035	7.28	10.7	C	0	35	3,130	310	99	7.61	1.8	3,990	580	145	7.57	1.7	1.0	1.0	0.0	1,376	7.79	1.254	8.005					
23	0.115	0.724	0.839	7.38	10.6	C	0.25	41	2,810	290	103	7.55	1.1	3,770	510	135	7.53	1.2	1.5	1.0	0.0	1,392	7.76	0.63	10.8					
24	0.120	0.714	0.834	7.38	10.6	PC	0	34	3,010	360	119	7.56	1.3	3,420	420	122	7.58	1.7	1.0	1.0	0.0	1,408	7.73	0.919	4.245					
25	0.119	0.686	0.805	7.37	7.44	10.2	PC	0	34	3,010	360	119	7.56	1.3	3,420	420	122	7.58	1.7	1.0	1.0	0.0	1,408	7.73	0.374	9.320				
26	0.111	0.707	0.818	7.36	10.7	PC	0	36	2,240	370	114	7.6	1.2	3,770	480	127	7.58	1.7	1.0	1.0	0.0	1,564	7.81	0.599	8.335					
27	0.117	0.805	0.927	7.33	10.5	C	0	30	2,960	360	122	7.67	2.7	3,200	420	131	7.65	2.4	1.0	1.0	0.0	1,318	7.84	0.860	6.025					
28	0.131	0.875	1.006	7.22	12.1	C	0	56	3,380	380	132	7.61	1.8	2,940	420	137	7.59	2.3	1.0	1.0	0.0	1,408	7.83	1.020	4.115					
29	0.125	0.811	0.936	7.23	11	C	0	35	2,240	360	112	7.67	1.3	3,790	420	113	7.63	1.3	1.0	1.0	0.0	1,297	7.84	0.911	5.640					
TOTAL	3.661	22.444	26.103	694	856									10,312	101,080	12,010	1,410	219.7	86.7	31.0		42.03	225	9.6	20.224	203,799	360,000	22,488		
MAX	0.179	1.032	1.211	193	233									64	4,860	610	149	7.67	3.6	2.5		1,695	7.86	2.6	2.6	7.9	0.08	11.6	45,000	4,177
MIN	0.108	0.659	0.767	155	195									19	2,170	290	94	7.46	1.1	0.5		1,121	7.66	2.2	1.8	5.8	0.04	6.1	45,000	1,905
AVG	0.126	0.774	0.900	174	218									16	3,486	414	118	7.58	2.0	1.2		1,449	7.77	2.4	2.1	6.7	0.06	8.8	45,000	2,811

Prepared by: GIL FIL FIL Date: 3/8/2016

Approved by: GIL Use

Use following abbreviations R=rain, S=storm, C=combined, C-lean, PC=partly cloudy