

**OSAGE BEACH / LAKE OZARK
JOINT SEWER BOARD MEETING
AGENDA
JUNE 16, 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 Franzeskis
City Administrator, Osage Beach, Jeana Woods
City Administrator, Lake Ozark, Dave Van Dee
Alderman, Lake Ozark, Gerry Murawski
Alderman, Osage Beach, Jeff Bethurem
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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Income & Expense Summary	21
Check Registers & Bank Statements	23-29
May, 2015 Alliance Report of Operations	31-53

5. OLD BUSINESS

A. Magruder litigation

6. NEW BUSINESS: None at this time.

7. DISCUSSION

8. ADJOURNMENT

THE NEXT MEETING WILL BE JULY 21, 2015, 4:00 PM @ LAKE OZARK CITY HALL

**LAKE OZARK - OSAGE BEACH
JOINT SEWER BOARD
Meeting Minutes – May 19, 2015**

Call to Order:

Mayor Penny Lyons called the meeting to order at 4:00 p.m. on Tuesday, May 19, 2015 at Lake Ozark City Hall.

Roll Call:

Present: Mayor Penny Lyons
City Administrator Dave Van Dee
City Administrator Jeana Woods
Alderman Gerry Murawski
Resident Member Gary Hamner
Public Works Director Nick Edelman
Public Works Director Matt Michalik

Absent: Mayor Johnnie Franzeskos
Alderman Jeff Bethurem

Others Present: 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 May 19, 2015 meeting minutes. With one small correction, Mr. Hamner motioned to approve the minutes as written. Second by Mr. Van Dee with unanimous approval of the remaining Board members.

Public Comment: None at this time.

Bills List: Mayor Lyons requested a motion to approve the Bills List. Mr. Murawski motioned approval of payment of the bills. Second by Mr. Edelman 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 April 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.

Mr. Hutchcraft also advised that the MO DNR had recently changed the requirements for permit renewal and that three (3) expanded effluent tests are required in a five year cycle. The remaining two tests will need to be done prior to the end of the year and the cost is approximately \$1,050 per test. Discussion turned to the timing of the remaining two tests and it was agreed that Mr. Hutchcraft should go ahead and have the remaining tests done within the next few weeks.

Mayor Lyons then requested a motion to approve the April 2015 Flow Chart. Mr. Van Dee motioned approval. Second by Mr. Murawski with unanimous approval of the remaining Board members.

Old Business:

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

New Business:

Travelers Insurance correspondence. Ms. Bell advised that a check was received in the amount of \$429 due to a premium adjustment. This amount will be applied to reduce the insurance line item on the budget.

Other Discussion: None at this time.

Adjournment:

With nothing further to discuss, Mayor Lyons adjourned the meeting at 4:10 pm. The next scheduled meeting is Tuesday, June 16, 2015, 4:00 pm. at Lake Ozark City Hall.

Penny Lyons
Osage Beach Mayor

Judy Noser
Clerk

JOINT SEWER BOARD
BILL LIST
JUNE 16, 2015

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:	\$ -
OPERATING FUND BILLS TO BE PAID:	\$ 39,759.24
EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:	\$ -
EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:	\$ -
TOTAL	\$ 39,759.24

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:

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

OPERATING FUND BILLS TO BE PAID:

Account	Check	Paid To:	Description:	Amount:
4000	3447	Equipment Replacement Fund	Payment into ER Fund	\$ 3,467.17
4170	3448	Alliance Water Resources, Inc.	June 2015 Management Fee	\$ 24,686.09
4160	3449	Alliance Water Resources, Inc.	Hauled Waste	\$ 1,300.00
4020	3450	Alliance Water Resources, Inc.	new AC, maintenance	\$ 1,483.99
4150	3450	Alliance Water Resources, Inc.	99 GMC Motor Mount Bolts	\$ 114.80
4185	3446	Ameren Missouri	May 2015 Electric	\$ 8,707.19
TOTAL				\$ 39,759.24

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:
				\$ -

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: 6478

01-Jun-15

Customer No: 20220

Terms: 30 days

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

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

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

Invoice No:	6513
Invoice Date:	31-May-15
Customer No:	20220
Terms:	30 days

-8-

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: 6479

Invoice Date: 01-Jun-15

Customer No: 20220

Terms: 30 days

REFERENCE	DESCRIPTION	AMOUNT
	The Home Depot - 50%	\$367.99
	John Henry Foster - 50%	\$103.28
	Jefferson City Oil	\$1,012.72
	Roemer's Heavy Equipment & Truck Repair - 50%	\$114.80
TOTAL DUE		\$1,598.79



**More saving.
More doing.SM**

4030 HWY 54
OSAGE BEACH, MO 65065 (573)348-0082

3027 00002 67047 05/11/15 01:43 PM
CASHIER PAMELA - PKR6339

048231376501 24.5K WINDOW <A> 599.00
24,500 BTU WINDOW A/C W/REMOTE
0000-200-637 3 YR REPAIR <A,U> 130.00N
3 YR REPAIR PLAN \$500-\$799.99
049057101780 EASY FIX <A> 6.98
KORKY EASYFIX FLUSH VALVE REPAIR KIT

SUBTOTAL 735.98
SALES TAX 45.30
TOTAL \$781.28

XXXXXXXXXXXX6759 HOME DEPOT 781.28
AUTH CODE 011925/3020400 TA

ALLIANCE WATER RESOURCES
WATER RESOURCES ALLIANCE

P.O.#/JOB NAME: GARY

<U> - NON-DISCOUNTABLE ITEM



3027 02 67047 05/11/2015 8800

RETURN POLICY DEFINITIONS
POLICY ID DAYS POLICY EXPIRES ON
A 1 90 08/09/2015
THE HOME DEPOT RESERVES THE RIGHT TO
LIMIT / DENY RETURNS. PLEASE SEE THE
RETURN POLICY SIGN IN STORES FOR
DETAILS.

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

ENTER FOR A CHANCE
TO WIN A \$5,000
HOME DEPOT GIFT
CARD!

Share Your Opinion With Us! Complete
the brief survey about your store visit
and enter for a chance to win at:

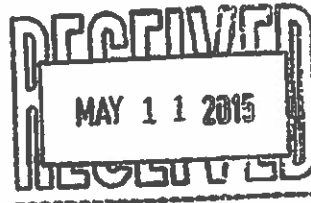
www.homedepot.com/opinion

COMPARTA SU OPINION EN UNA BREVE
ENCUESTA PARA LA OPORTUNIDAD DE GANAR.

User ID:
H8B 137410 134385

Password:
15261 134383

Entries must be entered by 06/10/2015.
Entrants must be 18 or older to enter.
See complete rules on website. No
purchase necessary.



GL Acct#: 6705-20 \$413.29 1220-20 \$367.99

Signature: *[Signature]*

Date: 5/11/15 4020

**John Henry Foster**

pneumatic and hydraulic equipment

www.jhf.com

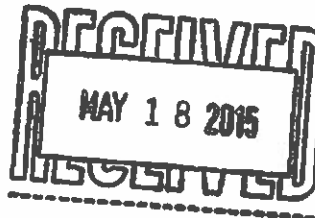
REMIT TO: P.O. BOX 419181
Creve Coeur, MO 63141-9181Ph (314) 427-0600
Fax (314) 427-3502

Invoice #	01421585
Page #	1
Date	05/14/2015

We accept Visa and Mastercard

** ORIGINAL INVOICE **

SOLD TO
Account #: 30798
ALLIANCE WATER RESOURCES
#3 ANDERSON ROAD
P.O. BOX #1985
LAKE OZARK, MO 65049-



SHIP TO
30798
ALLIANCE WATER RESOURCES
#3 ANDERSON ROAD
P.O. BOX #1985
LAKE OZARK, MO 65049-

Customer PO Number		Ship Date	Salesperson		Terms	Order Date	
VB-GARY		05/13/2015	House Account		Net 20 Days	03/31/2015	
JHF Order #	Order Entered By		Placed By		Ship Via	Secondary Ship Via	
01677366	Adam Aylsworth		GARY HUTCHCRAFT		UPS	Best Way	
Part Number / Description			Ordered	Shipped	Backorder	Price Ea.	Extension
10761FIL STAINLESS COUNTER SUNK SCREW DIN7991 M3X10-A2-70 Direct from Vendor Note:			12	12	0	2.25	27.00
10118FIL STAINLESS WIPER SPRING 0.8X7.5X13 Direct from Vendor			12	12	0	2.40	28.80
10085FIL ORIGA OSP WIPER END Direct from Vendor			2	2	0	9.75	19.50
10066FIL ORIGA PISTON YOKE Direct from Vendor			1	1	0	108.05	108.05
PARTS FOR UV WIPERS							
GL Acct#: 6705-20 \$119.98 1220-20 \$103.28							
Signature: Gary Hutchcraft 4020							
Date: 5/18/15							



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
183.35	23.20	16.71	223.26

QF-03-02 10-1-2005

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



"QUALITY LUBRICANTS FROM"
JEFFERSON CITY OIL CO., INC. 61566.1

1601 CHRISTY DR. P.O. BOX 576, JEFFERSON CITY, MO 65102
PHONE: (573) 634-2025 FAX: (573) 634-5248

Mobil

CUSTOMER ACCT#		PHONE		DATE			
10624P		(573) 365-0455		5/13/2015			
NAME: Alliance Water Res-Lake							
ADDRESS: P.O. Box 185, 3 Anderson Rd							
CITY/STATE: Lake Ozark, Mo 65049							
DELIVERED TO: _____ TERMS: _____							
CASH	CHECK#	C.O.D.	CARD	ON ACCT	MOUSE RETD	PAID OUT	CUSTOMER ORDER NO. (P.O.#)
GALLONS/POUNDS	COUNT	PROD. SIZE	PRODUCT		PRICE	AMOUNT	
	1	400lb	Mobilgear 600XP		945.45	945.45	
		Drum	150VG 320				
	1	100lb	Mobil Poly RX EM		52.30	52.30	
			Grease Tubes				
			Thank You				
	1	gal	Shell Rotella T Triple		14.97	14.97	
			Protection SAE 15W40				
			Motor Oil API CJ4				
DRUM DEPOSIT							
NO.	TYPE	SIZE	PRICE	AMOUNT	SUB TOTAL		
1	Mobil	55	20.00	20.00	1012.72		
SALES TAX 7.25%					78.23		
DRUM DEPOSIT					+ 20.00		
DRUM RETURN FOR DEPOSIT					DRUM RETURNS		
1	Mobil	55	20.00	20.00	20.00		
TOTAL					1090.95		
CUSTOMER SIGN HERE					SALESMAN SIGN HERE		

On approved credit purchases, unless otherwise noted on this invoice, payment is due by the 10th of the month following first statement date. Any future unpaid balance on this invoice is then subject to a FINANCE CHARGE of a monthly periodic rate of 1.5% (annual rate 18%).

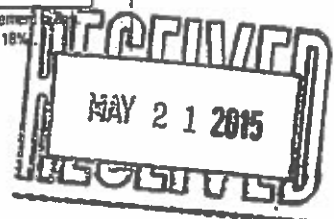
LONE VENDOR

GL Acct#: 1220-20 100% \$1012.72

Signature: *Larry Hutchcraft*

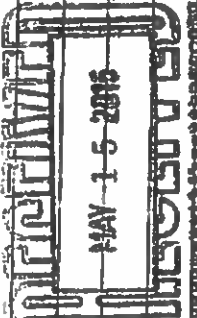
Date: 5/21/15

4020



**ROEMER'S HEAVY EQUIPMENT
& TRUCK REPAIR**
P.O. Box 191
Osage Beach, Missouri 65065
(573) 348-3733

19795

QTY	PART NO. AND DESCRIPTION	PRICE
2	1/2 X 3 1/2 Bolts	1.25
4	1/2 Flat Washers	25
2	1/2 Locks	15
2	1/2 Nuts G.S.S.	40
		80
		
GL Acct#: 6707-2015.16 1200.00 \$14.80 Signature: <i>David Hutchings</i> Date: 5/15/15 4:50		
(MAY BE CONTINUED ON OTHER SIDE)		
TOTAL PARTS		4.80
ACCESSORIES		
TOTAL ACCESSORIES		

NAME <i>Alliance Water Resources</i>	CUSTOMER SERVICE NO.	DATE <i>April 28-15</i>
ADDRESS <i>P.O. Box 1905</i>	ORDER WRITTEN BY	PROMISED
CITY, STATE, ZIP <i>LAKE OZARK, MO 65049</i>	BUSINESS PHONE	A.M. P.M.
HOME PHONE	EXT.	ODOMETER IN
YEAR, MAKE, MODEL <i>94 White GMC</i>	LICENSE NUMBER	ODOMETER OUT
SERIAL NUMBER <i>RSR 833094</i>	MOTOR NUMBER	TERMS
DESCRIPTION OF WORK		
☐ LUBE ☐ CHANGE OIL ☐ OIL FILTER ☐ TUNE-UP ☐ TRANS. ☐ DIFF. <i>REPLACE Broken front Motor Mount Bolts, nuts and washers. Check Rear Valve on Tank for not operating. Check Power Top Switch. Fald Actuator, Remove and Repair Actuator Assembly and Check operation</i>		
LITERS/GALS. OF GAS @	TOTAL LABOR	225.00
LITERS/QTS. OF OIL @	TOTAL PARTS	4.80
kg/LBS OF GREASE @	ACCESSORIES	
	GAS, OIL & GREASE	
	SUBLET REPAIRS	
	EM/PASTE/SPICER	
	TAX	26
	TOTAL	229.86
	THANK YOU!	

I hereby authorize the above repair work to be done along with the necessary materials. You and your employees may operate above vehicle for purposes of testing, inspection, or delivery of my risk. An express mechanics lien acknowledged on above vehicle to secure the amount of repairs herein. It is also understood that you will not be held responsible for loss or damage to cars or vehicles left in care of firm, theft or any other cause beyond your control.

SAVE OLD PARTS? ☐ YES ☐ NO
SIGNATURE



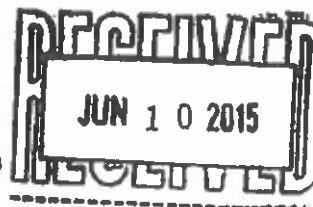
Please Return This Portion With Your Payment.

AMOUNT DUE BY	DATE
\$8,628.06	Jun 22, 2015
AMOUNT DUE BY	ACCOUNT NUMBER
\$8,757.48	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



60600000 0045800058302 000008628060 000008628060

Keep This Portion For Your Records

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

DATE	Jun 10, 2015
------	--------------

AMOUNT DUE BY	Jun 22, 2015	\$8,628.06
AMOUNT DUE BY	Jul 1, 2015	\$8,757.48

Payment Received on May 18, 2015

\$4,797.64

ACCOUNT NUMBER	DATE	FROM	TO	AMOUNT	READING	READING	READING	READING	READING
Total kWh	11673321	05/07-06/08	32	28320.0000	28903.0000	583.0000	160.0000	93280.0000	A
Peak kW	11673321	05/07-06/08	32	0.0000	1.1010	1.1010	160.0000	176.1600	A

SUMMARY				Service To			
Total kWh	06/08/2015	93280.0000	Peak kW	06/08/2015	176.2000		
Billing Demand	06/08/2015	176.2000	Total Billing Demand	06/08/2015	176.2000		

METERED ELECTRIC SERVICE BILLING

Rate 3M Large General Service		Service From 05/07/2015 To 06/08/2015	
Demand Charge	176.20 kW	@ \$4.60562500	\$825.61
Energy Charge/Hours Used	26,430.00 kWh	@ \$.10030625	\$2,651.09
Energy Charge/Hours Used	35,240.00 kWh	@ \$.07546250	\$2,659.30
Energy Charge/Hours Used	31,610.00 kWh	@ \$.05071875	\$1,603.22
Customer Charge			\$90.08
Fuel Adjustment Charge	93,280.00 kWh	@ \$.00420000	\$391.78
Energy Efficiency Pgm Charge	93,280.00 kWh	@ \$.00080000	\$74.62
Energy Efficiency Invest Chg	93,280.00 kWh	@ \$.00356300	\$332.36
Total Service Amount			\$8,628.06

Current Amount Due	\$8,628.06
Prior Amount Due	\$0.00
Total Amount Due	\$8,628.06

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.

The Missouri Public Service Commission has approved a 4.5% overall increase in Ameren Missouri's electric rate levels which took effect on May 30, 2015. For information about these changes, please visit AmerenMissouri.com or contact our customer service at 1.800.552.7583. Your electric service charges for this billing period are being prorated. Proration occurs when part of your bill is calculated on old rates and part of your bill is calculated on new rates.

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



Please Return This Portion With Your Payment.

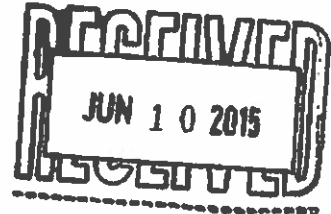
☐ Pure Power

AMOUNT DUE	Jun 22, 2015
\$79.13	
AMOUNT PAYABLE	
\$80.32	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



30633000 0055800059200 000000079130 000000079130

Keep This Portion For Your Records

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

DATE	Jun 10, 2015
------	--------------

TOTAL AMOUNT DUE BY	Jun 22, 2015	\$79.13
DELINQUENT AFTER	Jul 1, 2015	\$80.32

Payment Received on May 18, 2015 \$286.61

DATE	TIME	DATE	TIME	METER READING	DATE	TIME	METER READING
Total kWh	98041275	05/07-06/08	32	8819.0000	8872.0000	53.0000	10.0000
Peak kW	98041275	05/07-06/08	32	0.0000	5.8400	5.8400	10.0000

Service To 06/08/2015 530.0000

METERED ELECTRIC SERVICE BILLING

Rate 2M 5m Gen Svc - 3 Ph w/Omd
Threshold - Peak Demand Service From 05/07/2015 To 06/08/2015

Total Energy Charge	530.00 kWh	@ \$.10486875	\$55.58
Customer Charge			\$19.82
Fuel Adjustment Charge	530.00 kWh	@ \$.00420000	\$2.23
Energy Efficiency Pgm Charge	530.00 kWh	@ \$.00040000	\$0.21
Energy Efficiency Invest Chg	530.00 kWh	@ \$.00243500	\$1.29
Total Service Amount			\$79.13

Current Amount Due	\$79.13
Prior Amount Due	\$0.00
Total Amount Due	\$79.13

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.

The Missouri Public Service Commission has approved a 4.5% overall increase in Ameren Missouri's electric rate levels which took effect on May 30, 2015. For information about these changes, please visit AmerenMissouri.com or contact our customer service at 1.800.552.7583. Your electric service charges for this billing period are being prorated. Proration occurs when part of your bill is calculated on old rates and part of your bill is calculated on new rates.

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.

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

Account Number	Account Name	5/31/2015				Percent YTD
		2013 Actual	2014 Actual	2015 Budget	2015 Actual as of 5/31/2015	2015 May Revenue
3020	Osage Beach	452,145.77	464,343.06	467,500.00	199,300.24	39,885.98
3010	Lake Ozark	92,854.22	85,716.93	82,500.00	29,866.42	5,947.36
3100	Interest	34.50	31.18	30.00	18.22	4.30
3060	Waste Haulers' Fee	41,460.00	34,340.00	38,000.00	10,300.00	1,600.00
Total Operating Fund		586,494.49	584,431.17	588,030.00	239,484.88	47,437.64
E/R Fund Income		1,320.11	1,025.06	1,200.00	469.43	52.91
TOTAL INCOME		587,814.60	585,456.23	589,230.00	239,954.31	47,490.55
						41%

**MONTH-TO-DATE AND YEAR-TO-DATE
EXPENDITURE/BUDGET ANALYSIS
5/31/2015**

Account Number	Account Name	2013 Actual	2014 Actual	2015 Budget	2015 Actual as of 5/31/2015	2015 May Expenses	Percent YTD
4000	Equipment Replace Fund	41,606.04	41,606.04	41,606.04	17,335.85	3,467.17	42%
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	1,116.34	365.50	1%
4140	Insurance	15,489.00	16,502.00	17,000.00	16,306.00	(429.00)	96%
4150	***Vehicle Repair/Maint	1,352.11	9,186.16	3,000.00	374.87	0.00	12%
4160	Haulers Fees to Contractor	8,000.00	8,000.00	8,000.00	3,850.00	1,150.00	48%
4170	Contract Management	281,409.84	288,445.08	295,657.05	123,430.45	24,686.09	42%
4185	Electric	71,923.84	70,366.40	75,000.00	21,791.66	4,820.60	29%
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	184,205.17	34,060.36	31%
	**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	184,205.17	34,060.36	30%
**Equipment & Replacement							
	Normal E/R	10,000.00					500.00
	Rebuild Arm Support Clarifier #1 & 2	5,000.00					1,000.00
	Replace doors	2,000.00					8,000.00
		<u>17,000.00</u>					8,000.00
***Vehicle Repair/Maint							
	Vehicle Maintenance	3,000.00					2,100.00
		<u>3,000.00</u>					1,200.00
							10,000.00
							2,000.00
							1,000.00
							55,000.00
							<u>88,800.00</u>

*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
	<u>88,800.00</u>

OPERATING FUND INCOME AND EXPENSE SUMMARY
5/31/2015

Beginning Balance	113,998.25
Income - Osage Beach	39,885.98
Income - Lake Ozark	5,947.36
Income - Other	429.00
Income - Waste Haulers' Fees	2,600.00
Interest - Checking	4.30
Income - CD Interest	0.00
Transfers From E/R Fund	0.00
Transfers to E/R fund	-3,467.17
Expenses	-31,582.09
Ending Fund Balance	127,815.63
NOW Account - Central Bank	127,815.63
Outstanding Checks:	0.00
Deposit in Transit:	0.00
	127,815.63

EQUIPMENT REPLACEMENT FUND INCOME AND EXPENSE SUMMARY
5/31/2015

Beginning Balance	423,144.28
Interest - Checking	52.91
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	426,664.36
NOW Account - First Bank	136,223.33
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
	426,664.36

Operating Fund

CHECK REGISTER - JOINT SEWER BOARD OPERATION FUND

	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
3435	Xylon Water Solutions	X	2,864.54		100,067.44
3436	Ameren UE	X	4,820.60		95,246.84
3437	Equipment Replacement Fund	X	3,467.17		91,779.67
3438	Alliance Water Resources, Inc.	X	550.00		91,229.67
3439	Alliance Water Resources, Inc.	X	24,686.09	-	66,543.58
3440	Alliance Water Resources, Inc.	X	682.45		65,861.13
	Deposit LO	X		6,263.06	72,124.19
	Deposit OB	X		39,570.27	111,694.46
	Deposit	X		2,300.00	113,994.46
	Interest	X		3.79	113,998.25
	reconciled balance 4/30/15				113,998.25
3441	Ameren MO	X	5,084.15		108,914.10
3442	Equipment Replacement Fund	X	3,467.17		105,446.93
3443	Alliance Water Resources, Inc.	X	1,150.00		104,296.93
3444	Alliance Water Resources, Inc.	X	24,686.09		79,610.84
3445	Alliance Water Resources, Inc.	X	661.85	-	78,948.99
	Deposit LO	X	-	5,947.36	84,896.35
	Deposit OB	X		39,885.98	124,782.33
	Deposit Insurance Refund	X		429.00	125,211.33
	Deposit	X		2,600.00	127,811.33
	Interest	X		4.30	127,815.63
	reconciled balance 5/31/15				127,815.63



Central Bank of Lake of the Ozarks

P.O. Box 1500, Jefferson City, MO 65102
(573) 348-2761 001114

Return Service Requested



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

Period 05/01/2015-05/29/2015 Page 1 of 2

Web Address www.cbolobank.com

M

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Your Financial Summary on May 29, 2015

Account Balances & Other Assets

Checking	\$ 127,815.63
Total	\$ 127,815.63

Detailed Explanation of Account Balances and Other Assets

Basic Plus Interest Checking

No. 000007297 Beginning Balance April 30, 2015 \$ 113,998.25

Deposits

May 19 Deposit	429.00
May 19 Deposit	5,947.36
May 19 Deposit	39,885.98
May 21 Deposit	800.00
May 22 Deposit	1,800.00
May 29 Interest Earned	4.30

Total +\$ 48,866.64

Checks

Check No.	Date Paid	Amount	Check No.	Date Paid	Amount
3441	May 19	5,084.15	3444	May 27	24,686.09
3442	May 22	3,467.17	3445	May 27	661.85
3443	May 27	1,150.00			

Total -\$ 35,049.26

Ending Balance May 29, 2015 \$ 127,815.63

Number of days since last statement/interest cycle 31
Beginning and ending dates for calculation of statement/interest cycle are 05/01/2015 through 05/31/2015
Average collected balance 126,479.00
Interest rate 0.04%
Annual percentage yield earned 0.04%

JSB - CHECK REGISTERS 2015

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
	Deposit	X		3,467.17	132,650.02
	Interest	X		53.23	132,703.25
	reconciled balance 4/30/15				132,703.25
	Deposit	X		3,467.17	136,170.42
	Interest	X		52.91	136,223.33
	reconciled balance 5/31/15				136,223.33



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

536 00010 26
ACCOUNT:
DOCUMENTS:

PAGE: 1
05/29/2015

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

Effective June 1, 2015, an account will become Inactive after (6) six months of customer inactivity and Dormant after (12) twelve months of customer inactivity. The monthly fee of \$5 for inactive accounts and \$10 for dormant accounts will not change.

BUSINESS MMDA ACCOUNT 101318411

LAST STATEMENT 04/30/15 132,703.25
2 CREDITS 3,520.08
DEBITS .00
THIS STATEMENT 05/29/15 136,223.33

REF #.....DATE.....AMOUNT REF #.....DATE.....AMOUNT REF #.....DATE.....AMOUNT
05/21 3,467.17

DESCRIPTION OTHER CREDITS DATE AMOUNT
INTEREST 05/29 52.91

AVERAGE LEDGER BALANCE: 133,779.26 INTEREST EARNED: 52.91
AVERAGE AVAILABLE BALANCE: 133,181.48 DAYS IN PERIOD: 29
INTEREST PAID THIS PERIOD: 52.91 ANNUAL PERCENTAGE YIELD EARNED: .50%
INTEREST PAID 2015: 198.25

* * * CONTINUED * * *



**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
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 May 2015

Submitted by Alliance Water Resources, Inc. for the

June 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 Colonies/100 ml	Coliform	Ammonia as N mg/L	O&G mg/L	Metals Selenium ug/L
Monthly Average	2.0	2.2	NA	25.7		.08	<5.0	
Peak Day	2.6	2.4	8.0	42.7		.12	<5.0	
Percent Removal	99.1	99.2	NA	NA		NA	NA	NA

NPDES EFFLUENT LIMITATIONS

	BOD mg/l	TSS mg/l	pH	E.coli Colonies/100 ml	Coliform	Ammonia as N mg/L	O&G mg/L	Metals Selenium ug/ L
Monthly Average	30	30	6-9	126		1.2	10	4.0
Weekly Average	45	45		630				
Daily Max						5.6	15	8.1

PLANT HYDRAULIC AND ORGANIC LOADING

The average daily influent flow for the month was 1.667 MGD or 56% 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 92468 pounds of BOD.

BIOSOLIDS APPLICATION AND INVENTORY

Plant personnel land applied 55 tanker loads of bio-solids during the month equivalent to a total of 203,500 gallons and 61,284 pounds dry weight solids.

174,563 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 589,375 gallons with a level of 5.5 feet in Tank 1 and 6.0 feet in Tank 2.

WASTEHAULERS

The plant received 26 loads of septage during the month totaling 65,000 gallons.

WWTP OPERATIONS

- Decanting digesters and wasting weekly.
- Normal operations.

WWTP MAINTENANCE AND REPAIR

- Performed routine maintenance throughout the month as per Antero Maintenance Data Management schedule. (New version of Operator 10 Software)
- RAS pump #4 mechanical seal started leaking on or around the 1st of May and is in need of repair. We have received 3 bids for the repair. (see attachment)
- We changed oil in all the oxidation ditch aerator gear boxes and all three clarifiers gear boxes this month.

SAFETY

- We conducted our monthly routine Safety Meeting on Electrical Safety on the 13th of May.

REGULATORY AGENCY, INSPECTION AND REPORTS

- We filled out the EDMR on MDNR website on the 9th of June.
- We received the results for the 2nd quarter 503 sludge test on the 1st of June and everything looked good. (see attachment)

MISCELLANEOUS AND RECOMMENDATIONS

- We gave plant tours to 11 students and 1 teacher from Columbia College on the 6th of May.

TABLE A
LAKE OZARK/OSAGE BEACH WWTP

MONTH OF **May** **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-May	0	0.163	1.097	1.260	12.9	87.1	205	218	233	172	226	270
2-May	0	0.203	1.233	1.436	14.1	85.9						
3-May	0	0.275	1.364	1.639	16.8	83.2						
4-May	0	0.229	1.379	1.608	14.2	85.8						
5-May	0	0.172	1.240	1.412	12.2	87.8						
6-May	0	0.162	1.164	1.326	12.2	87.8						
7-May	0	0.165	1.106	1.271	13.0	87.0						
8-May	0.3	0.178	1.195	1.373	13.0	87.0	230	275	215	152	242	268
9-May	0.6	0.212	1.306	1.518	14.0	86.0						
10-May	0	0.197	1.507	1.704	11.6	88.4						
11-May	0.3	0.258	1.272	1.530	16.9	83.1						
12-May	0	0.182	1.166	1.348	13.5	86.5						
13-May	0	0.175	1.093	1.268	13.8	86.2						
14-May	0	0.175	1.136	1.311	13.3	86.7						
15-May	0.75	0.224	1.372	1.596	14.0	86.0	213	203	205	250	232	248
16-May	0.4	0.354	1.783	2.137	16.6	83.4						
17-May	0.5	0.270	1.594	1.864	14.5	85.5						
18-May	0	0.282	1.609	1.891	14.9	85.1						
19-May	0	0.211	1.325	1.536	13.7	86.3						
20-May	0	0.194	1.198	1.392	13.9	86.1						
21-May	0.5	0.162	1.344	1.506	10.8	89.2						
22-May	0	0.142	1.243	1.385	10.3	89.7	213	215	195	162	188	260
23-May	0	0.199	1.567	1.766	11.3	88.7						
24-May	0	0.250	1.874	2.124	11.8	88.2						
25-May	1	0.384	2.311	2.695	14.2	85.8						
26-May	0.2	0.330	1.796	2.126	15.5	84.5						
27-May	0.4	0.191	1.340	1.531	12.5	87.5						
28-May	0	0.212	1.274	1.486	14.3	85.7						
29-May	0.75	0.241	1.445	1.686	14.3	85.7	263	210	225	226	186	262
30-May	1	0.346	1.994	2.340	14.8	85.2						
31-May	0.5	0.471	2.129	2.600	18.1	81.9						
SUM	7.2	7.209	44.456	51.665								
AVG		0.233	1.434	1.667	14	86	225	224	215	192	215	262
NOTE: BOLD PRINT INDICATES WEEKEND DAYS												

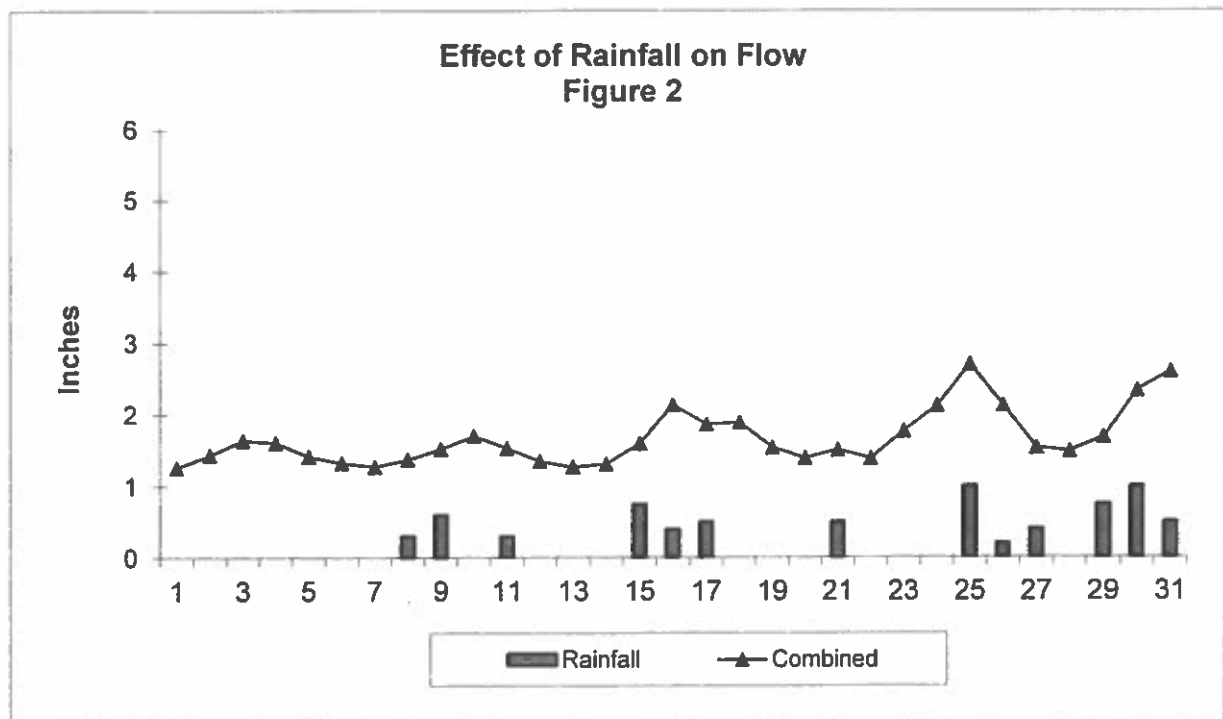
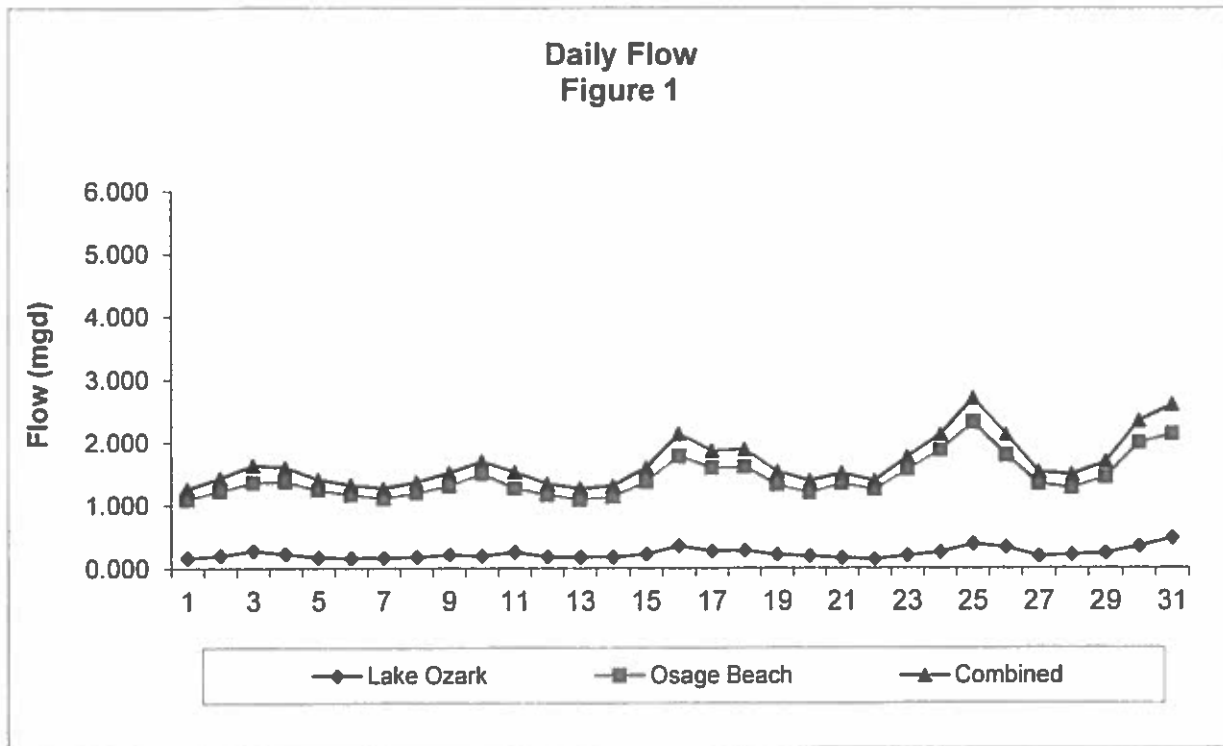
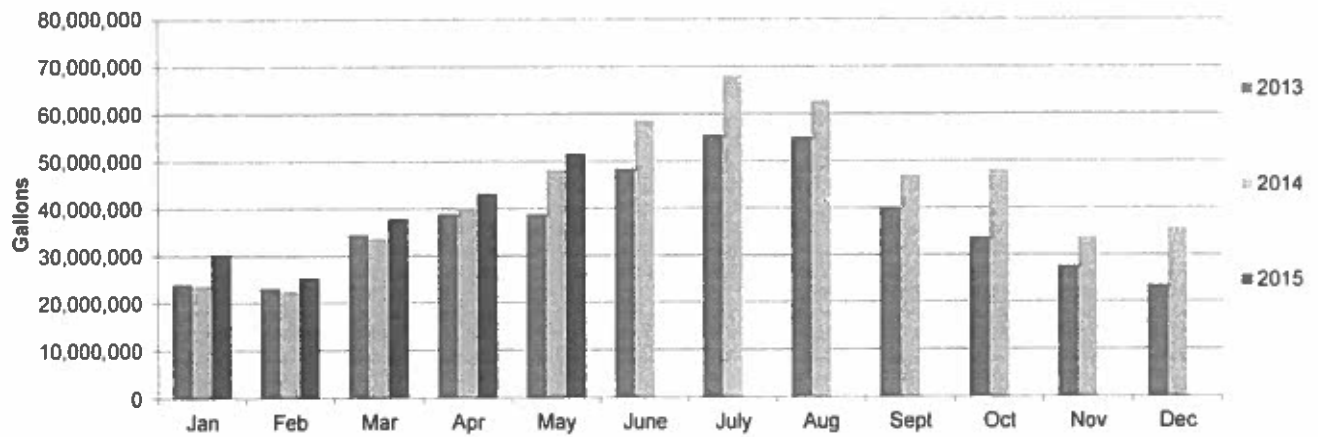


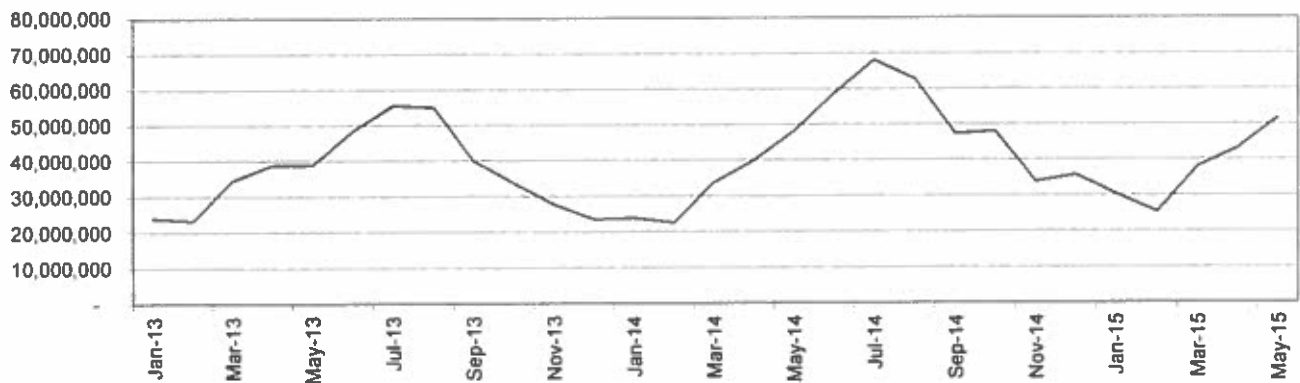
TABLE B
JOINT SEWER BOARD
Monthly Flows

<u>2013</u>	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	2.8	19,923,000	83%	4,104,000	17%	24,027,000	100%
February	4.2	19,290,000	83%	3,979,000	17%	23,269,000	100%
March	5.3	28,232,000	82%	6,308,000	18%	34,540,000	100%
April	8.7	31,410,000	81%	7,507,000	19%	38,917,000	100%
May	2.9	32,247,000	83%	6,560,000	17%	38,807,000	100%
June	4.6	40,205,000	83%	8,185,000	17%	48,390,000	100%
July	2.2	46,803,000	84%	8,794,000	16%	55,597,000	100%
August	15.0	45,742,000	83%	9,351,000	17%	55,093,000	100%
September	2.3	33,128,000	83%	6,869,000	17%	39,997,000	100%
October	3.6	27,722,000	82%	5,996,000	18%	33,718,000	100%
November	2.5	22,915,000	83%	4,775,000	17%	27,690,000	100%
December	2.5	19,507,000	83%	4,038,000	17%	23,545,000	100%
	56.6	367,124,000	83%	76,466,000	17%	443,590,000	100%
<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							
July							
August							
September							
October							
November							
December							
	18.0	162,883,000	86%	25,624,000	14%	188,507,000	100%

Monthly Influent Flow
Figure 3A

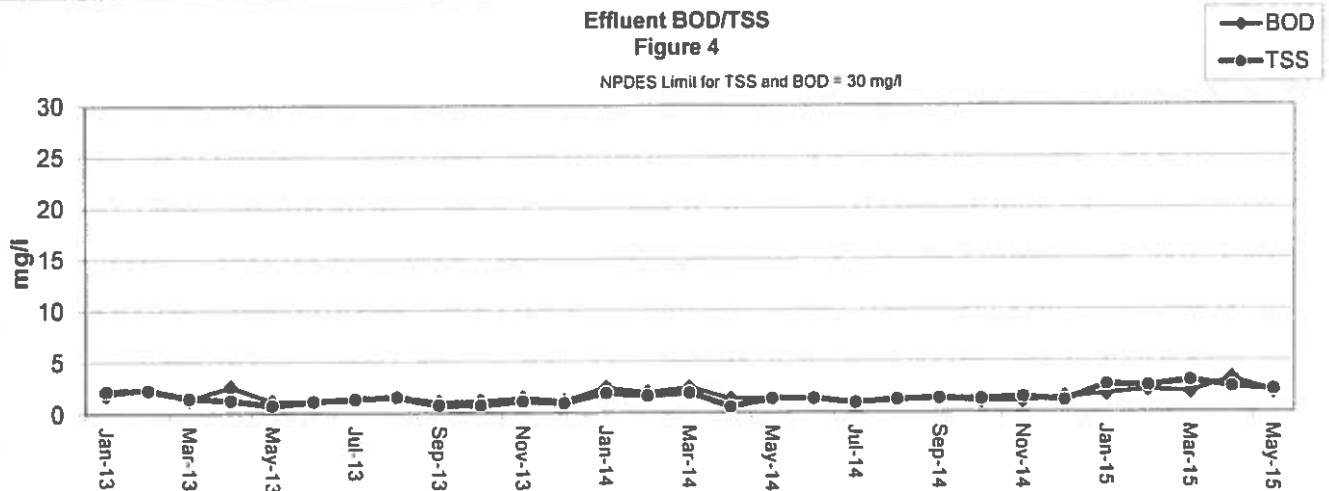


Monthly Influent Flow
Figure 3B

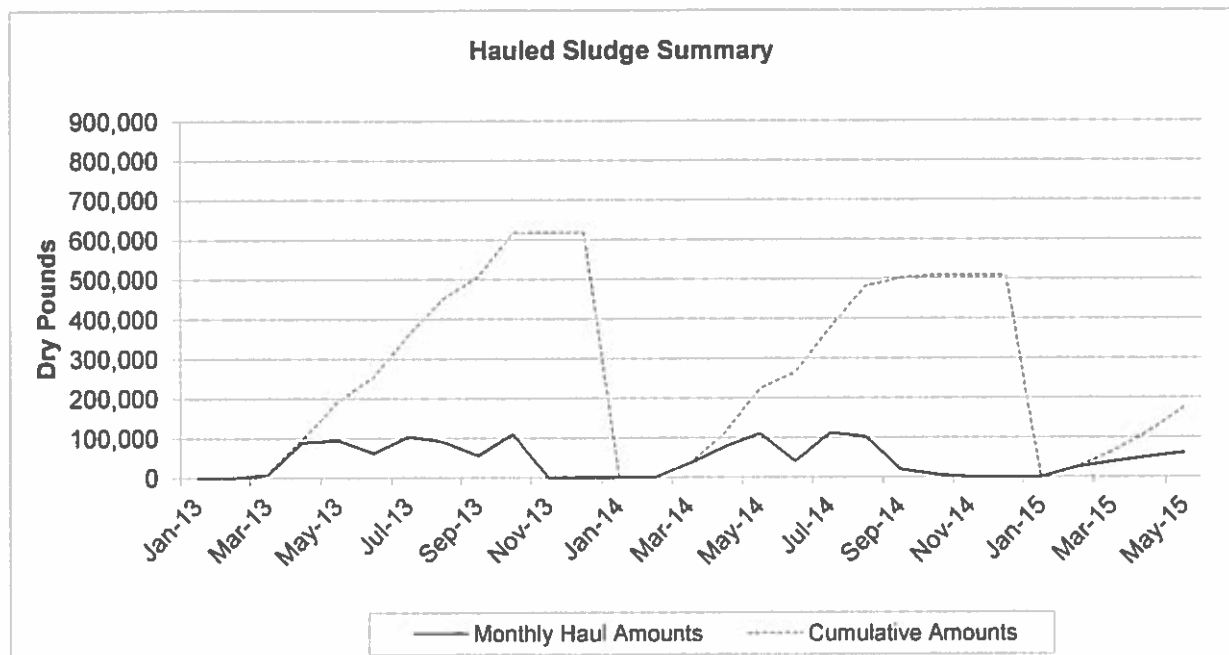
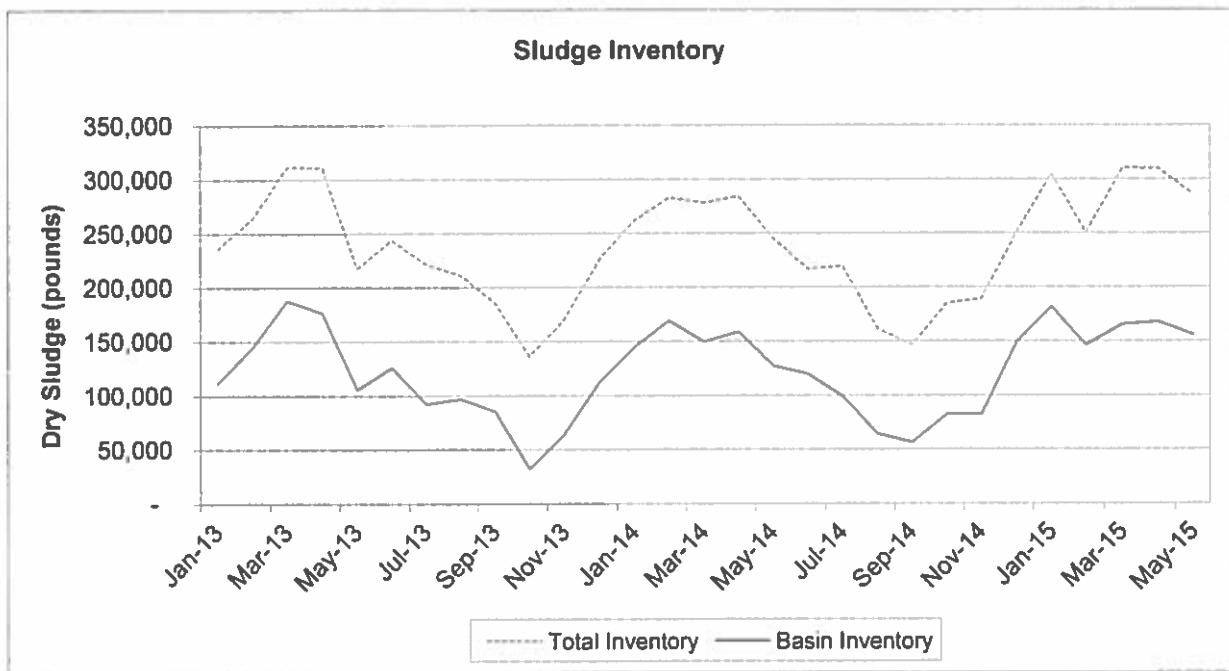


Effluent BOD/TSS
Figure 4

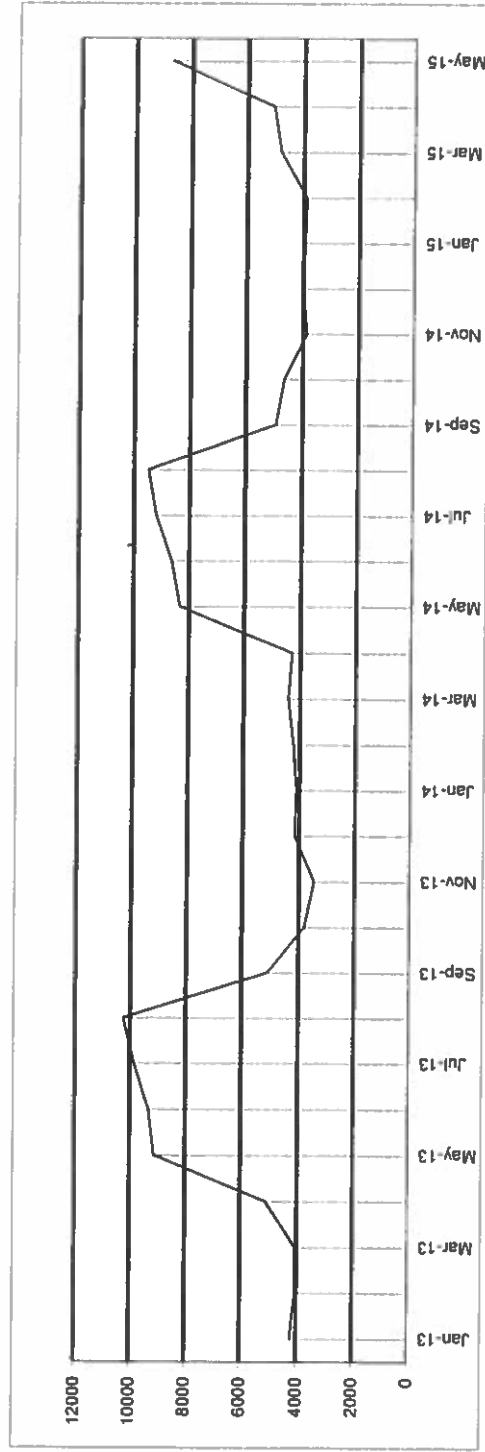
NPDES Limit for TSS and BOD = 30 mg/l



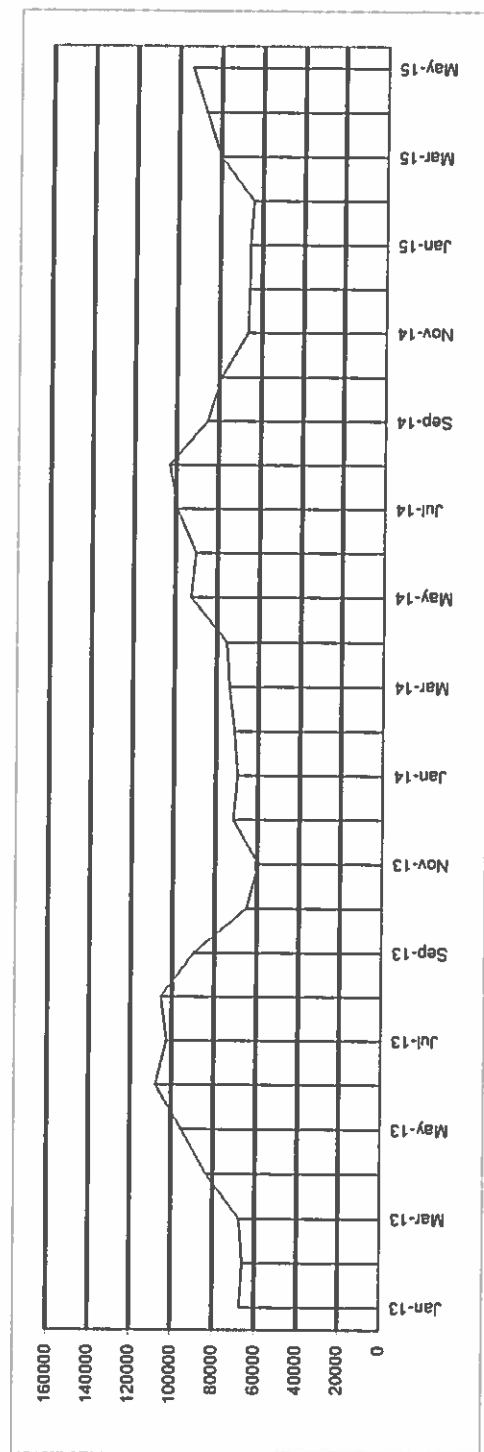
Loads	Gallons	Hauled Sludge # Dry	% Solids	Annual Cumulative # Dry	Basin Depths			# Dry	Blanket Depths			MLSS Inventory			Blanket and MLSS Inventory		MLSS % Solids	Total Dry Sludge Inventory	Accepted Septage Loads	Gallons
					Tank #1	Tank #2	AB #1		Clar #1	Clar #2	Clar #3	MLSS AB #1	MLSS AB #2	Gallons	# Dry	% Solids				
Jan-13	0	-	0	3.5%	-	-	-	382,500	111,652	1.5	2.0	0.0	4,120	4,010	3,662,167	124,155	0.00407	235,807	26	65,000
Feb-13	0	-	0	3.5%	6.0	5.0	0.0	485,000	144,491	1.0	2.0	1.0	4,000	3,740	3,696,714	116,314	0.00387	263,805	56	110,000
Mar-13	8	29,600	8,517	3.5%	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	3.8%	6.0	6.0	0.0	540,000	176,492	2.5	2.0	2.0	4,620	4,130	3,768,785	135,084	0.0043	311,576	24	60,000
May-13	82	303,400	95,228	3.6%	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%	6.0	3.0	0.0	405,000	126,101	1.0	7.0	2.0	3,850	3,540	3,828,952	117,984	0.0037	244,095	47	117,500
Jul-13	97	358,900	105,164	3.5%	6.0	1.0	0.0	315,000	92,301	1.5	2.0	1.0	3,950	4,410	3,705,595	129,161	0.00418	221,482	58	137,500
Aug-13	74	273,800	90,989	4.0%	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	58,069	3.8%	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%	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%	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%	5.0	2.0	0.0	315,000	112,965	0.0	0.5	1.0	3,600	3,680	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%	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%	7.5	3.5	0.0	495,000	158,845	1.5	1.0	1.5	4,420	4,200	3,709,547	125,761	0.00407	284,606	30	75,000
May-14	96	355,200	111,613	3.9%	5.5	5.5	0.0	450,000	120,005	3.0	2.0	2.0	3,530	2,830	3,775,666	96,986	0.00308	216,991	28	61,000
Jun-14	41	151,700	40,455	3.2%	4.5	3.5	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
Jul-14	117	432,900	112,292	3.1%	5.5	5.5	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
Aug-14	107	395,900	102,973	3.1%	6.5	2.0	0.0	180,000	56,693	0.0	1.5	1.0	2,670	3,210	3,670,071	89,989	0.00294	146,827	37	92,500
Sep-14	17	62,900	19,811	3.6%	5.5	1.5	0.0	225,000	82,569	0.0	1.5	2.0	2,980	3,620	3,713,499	102,358	0.00331	184,927	33	79,500
Oct-14	5	18,500	506,812	4.4%	4.0	1.0	0.0	405,000	148,619	0.0	2.0	2.0	3,630	3,330	3,678,952	106,775	0.00348	189,341	20	50,000
Nov-14	0	-	0	4.4%	5.0	4.0	0.0	495,000	181,645	0.0	2.0	2.0	3,480	3,060	3,722,980	101,516	0.00327	250,135	18	40,000
Dec-14	0	-	0	4.4%	5.5	5.5	0.0	450,000	146,368	2.0	2.0	0.0	3,900	4,160	3,671,048	123,385	0.00403	305,030	22	55,000
Jan-15	20	74,000	24,069	3.9%	6.0	6.0	0.0	540,000	185,704	1.0	1.0	0.0	3,580	3,290	3,635,524	104,150	0.00344	250,516	21	52,500
Feb-15	34	125,800	38,603	3.7%	6.0	6.0	0.0	540,000	167,861	2.5	2.0	2.0	5,040	4,250	3,740,142	144,890	0.00465	310,595	11	27,500
Mar-15	44	162,800	50,607	3.7%	6.0	6.0	0.0	540,000	167,861	2.5	2.0	1.0	5,180	4,000	3,723,357	142,532	0.00459	310,393	23	57,500
Apr-15	55	203,500	61,284	3.6%	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



Electric Cost



Kilowatts Used



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
Apr-15	5084	87,050
May-15	8707	93,810



**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							
May-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	7.3	233	270	16	1.583	7.9	2.5	1.8		6.7		15.9	98.9	99.3
2	7.4			15.8	1.578	7.9				6.2		15.9		
3	7.4			16.8	1.875	7.8				5.5		16.6		
4	7.4			18.2	1.857	7.9				5.4	42.7	18.3		
5	7.3			19.1	1.615	7.8				5.6		19.1		
6	7.4			18.3	1.450	7.9				5.7		19.8		
7	7.3			18.4	1.484	7.8			0.04	5.5		19.2		
8	7.3	215	268	18.0	1.601	7.9	2.0	2.4		5.0		19.3	99.1	99.1
9	7.3			18.2	1.701	7.8				4.3		19.4		
10	7.5			19.3	2.000	8.0				6.1		20.6		
11	7.3			18.0	1.752	7.9				5.0	< 20	19.2		
12	7.5			17.3	1.639	7.9				5.9		18.5		
13	7.5			17.1	1.518	7.9				5.3		18		
14	7.4			17.6	1.557	7.9			0.04	5.6		18.2		
15	7.3	205	248	18.9	1.918	7.8	1.6	2.4		5.4		19.3	99.2	99.0
16	7.5			19	2.298	7.8				4.7		19.8		
17	7.6			18.7	2.095	7.9				4.6		19.9		
18	7.5			19.1	2.085	7.9				5.1	< 20	20.5		
19	7.4			18	1.733	7.9				5.3		19.7		
20	7.3			17.7	1.530	7.9				5.3		18.7		
21	7.4			17.4	1.915	7.9			0.10	6.2		17.5		
22	7.3	195	260	18.4	1.699	7.9	1.2	1.8		5.6		18.2	99.4	99.3
23	7.3			18.4	1.976	7.9				5.4		17.9		
24	7.4			18.9	2.359	7.9				5.1		18.7		
25	7.5			19.1	2.941	7.9				5.0		19.3		
26	7.4			19.4	2.307	8.0				4.5	< 20	20.6		
27	7.3			19.8	1.531	7.8				5.4		20.9		
28	7.4			20	1.677	8.0			0.12	5.7		21.3		
29	7.3	225	262	19.6	1.934	7.9	2.6	2.4		4.8		20.6	98.8	99.1
30	7.3			20	2.526	7.9				4.4		20.7		
31	7.3			18.8	2.600	7.9				5.4		19.4		
Total					58.334									
Avg		215	262	18	1.882		2.0	2.2	0.08	5.3	25.7	19.1	99.1	99.2
Min	7.3	195	248	16	1.450	7.8	1.2	1.8	0.04	4.3	< 20	15.9	98.8	99.0
Max	7.6	233	270	20	2.941	8.0	2.6	2.4	0.12	6.7	42.7	21.3	99.4	99.3

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			
12	< 5.0		
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
Total			
Avg	< 5.0	0.00	0.00
Min	< 5.0	0.00	0.00
Max	< 5.0	0.00	0.00

OPERATIONAL CONTROLS/LABORATORY TEST REQUIRED FOR "ACTIVATED SLUDGE" PROCESSES

DATE	SLUDGE DISP. LBS. DRY WEIGHT	#1 Aeration Basin, O-Ditch, Etc.				#2 Aeration Basin, O-Ditch, Etc.				*Weather Conditions		
		MIXED LIQUOR				MIXED LIQUOR				Outside * 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	5,184	2.3	5,070	460	15.9	3.7	3,860	300	15.7	46	0	7:30
2		3.1	4,670	480	15.5	2.1	4,380	480	15.1	50	0	7:30
3		1.6	4,910	530	16.5	2.9	4,160	400	16.5	56	0	7:30
4	6,017	1.5	5,380	500	19.1	1.4	4,820	450	18.9	65	0	7:30
5	5,554	1.2	4,420	370	19.8	1.3	5,530	580	19.2	70	0	7:30
6	5,709	1.4	4,650	450	20	1.5	4,360	430	19.5	66	0	7:30
7	5,709	1.3	6,040	560	19.8	1.6	4,630	420	19.4	67	0	7:30
8		1.2	5,030	480	19.3	1.5	4,690	490	19.1	65	0.3	7:30
9		1.5	5,160	500	19.3	1.3	4,430	420	19.2	64	0.6	7:30
10		1.4	5,650	580	20.6	1.6	3,510	410	20.6	66	0	7:30
11		1.2	4,570	560	19.1	1.6	4,230	470	19.0	60	0.3	7:30
12	5,709	1.7	4,220	450	18.5	1.4	5,440	640	18.5	55	0	7:30
13	5,554	1.8	4,980	510	17.5	1.6	4,630	530	17.6	49	0	7:30
14		1.5	5,640	720	17.8	1.8	3,950	380	17.9	60	0	7:30
15	5,809	1.5	4,320	450	20.1	1.3	5,610	710	19.5	66	0.75	7:30
16		1.3	4,880	620	19.8	1.5	4,620	560	19.7	67	0.4	7:30
17		1.2	5,360	640	19.9	1.4	4,290	510	19.8	65	0.5	7:30
18	4,567	1.2	5,250	690	20.6	1.5	4,460	550	20.4	66	0	7:30
19	5,709	1.2	4,710	550	19.4	1.7	5,450	740	19.6	55	0	7:30
20		1.4	5,470	740	18.3	2.7	3,880	480	18.2	55	0	7:30
21	5,863	2.0	5,080	680	17.3	3.2	4,840	660	17.3	50	0.5	7:30
22		1.5	4,850	590	18.2	2	4,920	680	17.9	51	0	7:30
23		2.1	4,050	510	18	1.6	5,120	700	18	50	0	7:30
24		1.2	5,910	770	18.7	1.5	4,080	480	18.7	64	0	7:30
25		0.9	5,730	800	19.6	1.4	3,480	430	19.5	64	1	7:30
26		1.0	5,130	570	20.6	1.5	2,980	300	20.4	66	0.2	7:30
27		1.0	5,560	750	21	1.5	4,070	480	21.5	66	0.4	7:30
28		2.2	5,340	740	21.2	3.4	4,640	660	20.9	64	0	7:30
29		1.2	4,480	540	20.4	1.2	5,030	750	20.4	67	0.75	7:30
30		1.3	4,130	500	20.6	1.3	4,250	630	20.6	68	1	7:30
31		2.5	4,030	650	19.1	1.9	4,110	740	19.2	60	0.5	7:30

COMMENTS:

TESTS PERFORMED BY (PRINT)	SIGNATURE	PHONE #	DATE
Frank Hendricks	<i>Frank Hendricks</i>	(573)365-0455	6/9/2015
REPORT APPROVED BY (PRINT)	SIGNATURE	PHONE #	DATE
Gary Hutchcraft	<i>Gary Hutchcraft</i>	(573)365-0455	6/9/2015

*Required Daily (Monday /Friday)

**Required 1/week

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

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

PERMITTEE NAME/ADDRESS

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

MO0103241	001 A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
2013	05	01	2013	05	31

FROM TO

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS
BEFORE COMPLETING THIS FORM

Parameter		MASS	Unit	CONCENTRATION	Unit	FREQUENCY OF ANALYSIS	SAMPLE TYPE	LAB CODE
BOD, 5-day, 20 deg. C (00310)	REPORTD	*****		2.6	2.0	*****	Weekly	24 Hour Composite
Stage Type: End of Pipe	REQRMNT	*****		Weekly Average: 45	Monthly Average: 30	*****	Weekly	24 Hour Composite
E. coli, colony forming units (CFU) (51041)	REPORTD	*****		*****	42.7	25.7	Weekly	Grab
Stage Type: End of Pipe	REQRMNT	*****		*****	Weekly Average: 630	Monthly Average: 126	Weekly	Grab
Flow, in conduit or thru treatment plant (50050)	REPORTD	2.941	1.882	*****	*****	*****	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	*****		0.12	0.08	*****	Weekly	Grab
Stage Type: End of Pipe	REQRMNT	*****		Daily Maximum: 5.6	Monthly Average: 1.2	*****	Weekly	Grab
Oil and grease (soxhlet extr.) (tot.) (00550)	REPORTD	*****		<5.0	<5.0	*****	Monthly	Grab
Stage Type: End of Pipe	REQRMNT	*****		Daily Maximum: 15	Monthly Average: 10	*****	Monthly	Grab
pH (00400)	REPORTD	*****		7.8	8.0	*****	Weekly	Grab
Stage Type: End of Pipe	REQRMNT	*****		Minimum: 6	Maximum: 9	*****	Weekly	Grab
Temperature, water deg. centigrade (00010)	REPORTD	*****		21.3	19.1	*****	Weekly	Grab
Stage Type: End of Pipe	REQRMNT	*****		Daily Maximum Monitoring Required	Monthly Average Monitoring Required	*****	Weekly	Grab

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

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

OPERATOR IN RESPONSIBLE CHARGE	
Gary Hutchcraft	7305
TYPED OR PRINTED NAME	CERTIFICATE NUMBER
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE
Gary F Hutchcraft	573-365-0455
TYPED OR PRINTED NAME	2015-06-09 10:29:04
SIGNATURE	Date

Page 1

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

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

PERMITTEE NAME/ADDRESS

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

MO0103241	001 A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
2013	05	01	2013	05	31

FROM TO

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS
BEFORE COMPLETING THIS FORM

Parameter		MASS	Unit	CONCENTRATION	Unit	FREQUENCY OF ANALYSIS	SAMPLE TYPE	LAB CODE
Total Suspended Solids (TSS) (00530)	REPORTD	*****		2.4	2.2	*****	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	573-365-0455
TYPED OR PRINTED NAME	2015-06-09 10:29:04
SIGNATURE	Date

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LAKE OZARKOSAGE BEACH WWTP
Operation Report

FOR **MAY** 2015

[illegible]

Use following abbreviations: K=kin, S=snow, O=ovest, C=clear, PC=partly cloudy



Bids for Repair of 1 - Fairbanks Morse RAS pump

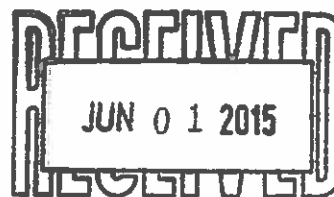
Bidder	Budgeted Amount	Total Bid	Equipment
Vandevanter Engineering	\$8,000.00	\$4,647.00	Fairbanks Morse Model # 4X6B5443C,
		freight included	Serial # K3N1-056154-4
Evans Enterprises	"	\$3,930.00	Fairbanks Morse Model # 4X6B5443C,
		picked up and delivered	Serial # K3N1-056154-4
JCI Industries	"	\$2,850.00	Fairbanks Morse Model # 4X6B5443C,
		picked up and delivered	Serial # K3N1-056154-4

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: 130709



Report of Analysis

Reference:

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

Log Number: 1811521 Sample Description: Quarterly Sludge Sample Date: 4/20/2015 Sample Received Date: 4/21/2015

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Fecal Coliform in Sludge	14,600	CFU/g	SM-9222 D-97		04/21/15	102
Total Solids Average	4.13	% w/w	SM-2540 G-97		04/21/15	102

Nutrients

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Phosphorus	27700	mg/Kg	SM-20 4500-P E-99		04/27/15	133

PAN Group

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Ammonia Nitrogen, Distilled	12,100	mg/Kg	Lachat-10-107-06-1-K		05/04/15	102
Kjeldahl Nitrogen	41,800	mg/Kg	Lachat-10-107-06-2-K		05/04/15	102
Nitrate as Nitrogen	167	mg/Kg	EPA-300.0 Rev. 2		04/27/15	133
Nitrite as Nitrogen	< 50	mg/Kg	EPA-300.0 Rev. 2		04/27/15	133
Organic Nitrogen	29,700	mg/Kg	Lachat-10-107-06-2-K		05/04/15	102
PAN - Subsurface Application	18207	ppm	Calculation		05/06/15	127
PAN - Surface Application	14577	ppm	Calculation		05/06/15	127

Preparation Methods

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Anions IC Sample Preparation	1	Prep	SM-4110B-00		04/21/15	133
Metals ICP Sample Digestion	1	Prep	EPA-200.7 Rev. 4.4	PDC	05/05/15	
Total Metals Flame-AA Digestion	1	Prep	EPA-200.2		04/27/15	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: 130709

Report of Analysis

Log Number: 1811521
Sample Description: Quarterly Sludge

Sample Date:
4/20/2015

Sample Received Date:
4/21/2015

Solids

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Total Solids	4.01	% w/w	SM-2540 G-97		04/24/15	133

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	05/05/15	
Cadmium	0.40	mg/Kg	SM-3111 B-99		05/14/15	133
Chromium	49.7	mg/Kg	SM-3111 B-99		05/14/15	133
Copper	552	mg/Kg	SM-3111 B-99		05/19/15	133
Lead by ICP	25	mg/Kg	EPA-200.7 Rev. 4.4	PDC	05/05/15	
Mercury by Cold-Vapor Technique	< 0.10	mg/Kg	SM-3112 B-99		04/23/15	133
Molybdenum by ICP	7.9	mg/Kg	EPA-200.7 Rev. 4.4	PDC	05/05/15	
Nickel	9.4	mg/Kg	SM-3111 B-99		05/14/15	133
Potassium	2450	mg/Kg	SM-3111 B-99		05/07/15	133
Selenium by ICP	< 2.0	mg/Kg	EPA-200.7 Rev. 4.4	PDC	05/05/15	
Zinc	1080	mg/Kg	SM-3111 B-99		05/19/15	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

Environmental Analysis South
4080 East Jackson Blvd. * Jackson, MO 63755
Telephone (573) 204-8817 * Fax (573) 204-8818
ALLIANCE-LAKE OZARK

CHAIN OF CUSTODY RECORD

Client:

Sampler's Signature: _____

Address:

Date: 4/20/15 Time: 2:50 ☐ See Table

City/State/Zip:

City/State/Zip: LAKE OZARK, MO 65649

PO Number: 1614 ☐ Rush Requested (Due Date: _____)

[illegible]

FECAL COLIFORM IN SLUDGE

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

Log # 1811521

Date: 4/21/2015

Analyst: 102

Total Solid calculation

Sample Replicate	Sample Size (grams)	Tare Weight (grams)	Tare Wt.+ Res. (grams)	Residue Wt. (grams)	Final Result (%w/w)
A	26.6527	1.9463	3.0545	1.1082	4.16
B	25.2513	1.9525	2.9914	1.0389	4.11
C	28.8192	1.9566	3.1407	1.1841	4.11
D	29.5066	1.9522	3.1728	1.2206	4.14
E	27.5386	1.9536	3.0948	1.1412	4.14
F	27.7559	1.9604	3.1074	1.1470	4.13
G	29.8687	1.9495	3.1871	1.2376	4.14
				Average Total Solid	4.13

Colony Counts

Date: 4/21/2015

Analyst: 102

Sample Replicate	Wt. Of Sample (grams)	Sample Size (mls - 0.1,1.0,10)	Colony Count used	Final Count #/gram (dry)
A	0.4074	1	1	5,900
B	0.4011	1	4	24,300
C	0.3873	1	3	18,800
D	0.4345	1	1	5,560
E	0.4511	1	4	21,400
F	0.4192	1	3	17,300
G	0.3837	1	4	25,200
Geometric Average				14,600

Approved by:



Environmental Analysis South, Inc.
Clarification Coagulant Sludges
Sludge Analysis

5/21/2015

Submitted by: Alliance Lake Ozarks					
Log Number: 1811521					
pH					
Coliform					
Parameter	Wet %	Net ppm	Dry %	Dry ppm	lbs/dry Tons
Moisture			95.99		
Solids			4.01		
Volatile Solids					
Ash					
Nitrogen (TKN)	0.168%	1676.180	4.180%	41800.000	83.600
Nitrate N	0.001%	6.697	0.017%	167.000	0.334
Nitrite N	0.000%	0.000	0.000%	ND	0.000
Ammonia N	0.049%	485.210	1.210%	12100.000	24.200
Organic N	0.119%	1190.970	2.970%	29700.000	59.400
PAN Surface Application	0.058%	584.538	1.458%	14577.000	29.154
PAN Subsurface Application	0.073%	730.101	1.821%	18207.000	36.414
Potassium (as K)	0.010%	98.245	0.245%	2450.000	4.900
Phosphorus (as P)	0.111%	1110.770	2.770%	27700.000	55.400
Arsenic (as As)	ND	ND	ND	ND	ND
Cadmium (as Cd)	0.000%	0.016	0.000%	0.400	0.001
Chromium (as Cr)	0.000%	1.993	0.005%	49.700	0.099
Copper (as Cu)	0.002%	22.135	0.055%	552.000	1.104
Molybdenum (as Mo)	0.000%	0.317	0.001%	7.900	0.016
Nickel (as Ni)	0.000%	0.377	0.001%	9.400	0.019
Lead (as Pb)	0.000%	1.003	0.003%	25.000	0.050
Selenium (as Se)	ND	ND	ND	ND	ND
Zinc (as Zn)	0.004%	43.308	0.108%	1080.000	2.160
Mercury (as Hg)	ND	ND	ND	ND	ND
code ND = none detected					
code NT = not tested					

