

**OSAGE BEACH/LAKE OZARK
JOINT SEWER BOARD MEETING
AGENDA
April 19, 2011
5:15 p.m.**

@**LAKE OZARK CITY HALL******

1. CALL TO ORDER

2. ROLL CALL

Committee Members

Penny Lyons, Mayor, Osage Beach
Johnnie Franzekos, Mayor, Lake Ozark
Nancy Viselli, City Administrator, Osage Beach
Dave VanDee, City Administrator, Lake Ozark
Don Langley, Alderman, Lake Ozark
Ron Schmitt, Alderman, Osage Beach
Rick King, Public Works Director, Osage Beach
Matt Michalik, Public Works Director, Lake Ozark
Gary Hamner

Non- Members:

Karri Bell, Treasurer, Osage Beach
Julie Huttenlocker, Joint Sewer Clerk, Lake Ozark
Gary Hutchcraft, Plant Manager
Gary Anger, Alliance Water Resources

3. MINUTES

Minutes from March 15, 2011

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4. REPORTS

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March 2011 Alliance Report & Flow Report	23-41

5. OLD BUSINESS

**A. Review and further discussion of the New Service Area
Connections Policy of the Joint Sewer Board of the
Cities of Lake Ozark and Osage Beach**

pass
42-49

6. NEW BUSINESS

**A. Discussion of 3% APR Energy Loans provided by DNR
for all Water and Wastewater Facilities**

50-51

7. DISCUSSION

8. ADJOURNMENT

THE NEXT MEETING WILL BE MAY 17, 2011 @ 5:15 PM @ LAKE OZARK CITY HALL

LAKE OZARK - OSAGE BEACH
Joint Sewer Board
MINUTES OF MEETING
March 15, 2011

CALL TO ORDER: Mayor Penny Lyons called the meeting to order @ 5:15 P.M., at Lake Ozark City Hall.

ROLL CALL:

Committee Persons Present:

Mayor Penny Lyons, OB
Mayor Johnnie Franzeskos, LO
Nancy Viselli, City Administrator, OB
Don Langley, Alderman, LO
Ron Schmitt, Alderman, OB
Rick King, Public Works Director, OB
Matt Michalik, Public Works Director, LO
Gary Hamner

Committee Members Absent:

Dave Van Dee, City Administrator, LO

Others Present:

Gary Hutchcraft, Plant Manager
Gary Anger, Alliance Water Resources
Karri Bell, Treasurer, OB
Julie Huttenlocker, Joint Sewer Clerk
Ed Rucker, Osage Beach City Attorney

ADOPTION OF PREVIOUS MINUTES:

Mayor Penny Lyons asked for a motion to approve the February 15, 2011 Minutes. Mayor Johnnie Franzeskos made a motion to approve the minutes; second by City Administrator Nancy Viselli. All present voted aye, motion carried.

Board Member Gary Hamner inquired about the discussion that occurred at the end of **Old Business** on the **February 15, 2011** minutes regarding ownership of the Treatment Plant, some discussion occurred.

BILLS:

Mayor Franzeskos made a motion to approve the Bills List, second by Board Member Gary Hamner. All present voted aye, motion carried.

Some discussion occurred regarding the pay-off of the New Basin Loan Payment on page 4, Board Member Gary Hamner then reminded Members that the Board had agreed to extended the payment for a year or two to make up for what should have been put in the equipment replacement fund in the years past.

REPORTS:

INCOME & EXPENSE SUMMARY/ER FUND ANALYSIS

Members reviewed. No discussion occurred.

REVENUE BUDGET ANALYSIS

Members reviewed. No Discussion occurred.

EXPENDITURE BUDGET ANALYSIS

Members reviewed. No discussion.

BALANCE SHEET

Members Reviewed. No discussion.

CHECK REGISTERS

Members reviewed. No discussion.

ALLIANCE REPORT & FLOW CHARTS:

The average daily incoming flow for February 2011 was 0.885 mgd. We had 4.8 inches of precipitation measured at the WWTP in February 2011.

Operationally, the plant's discharge was excellent, with an effluent monthly average BOD and TSS of 4.2 mg/l and 5.7 mg/l respectively for February 2011. This represented better than a 97.6% or better removal.

The MLSS combined average for both aeration basins was 3,580mg/l in February 2011. The total dry weight sludge inventory for February 2011 totaled 295,646 pounds. Plant Personnel were unable to land apply in February 2011.

Alliance Member Gary Hutchcraft presented a Bid Sheet for a New Steam Cleaner/Pressure Washer, Members reviewed. Hutchcraft suggested going with Northern Tool & Equipment with a total bid of \$3,848.38. A motion was then made by Alderman Don Langley to go with Northern Tool & Equipment, second by Mayor Johnnie Franzekos. All present voted aye, motion carried.

Some further discussion occurred regarding the Alliance Flows and Reports.

Mayor Penny Lyons then asked for a motion to approve the February Alliance Reports and Flow Reports. Alderman Don Langley made a motion to approve the Alliance Reports and Flows, second by Mayor Johnnie Franzekos. All voted aye, motion carried.

NEW BUSINESS:

Mayor Johnnie Franzekos stated he would like make a motion to start having all of the Joint Sewer Meetings at Lake Ozark City Hall if there were no objections from Members. Some discussion occurred, Board Member Hamner stated that he enjoys having the meetings at the Treatment Plant as he feels it gives him a chance to tour the Plant on a monthly basis, no other objections were made. Alderman Don Langley then seconded the motion. All present voted aye, Board Member Gary Hamner opposed. Motion carried. Members also agreed that if the new location does not work or would need to be changed they would go back to the regular scheduled location.

OLD BUSINESS:

A. Review and further discussion of the New Service Area Connection Policy of the Joint Sewer Board of the Cities of Lake Ozark and Osage Beach:

Mayor Penny Lyons asked if anyone had any suggested changes to the most recent draft policy which was included in the packet. Alliance Member Gary Anger discussed a few suggested changes he had with City Attorney Ed Rucker and Members; there were a few suggestive changes that Members agreed upon. An amended draft will be included with the April's packet which will include the agreed changes made tonight.

DISCUSSION:

Some discussion occurred between Alderman Langley and Members.

ADJOURNMENT

Osage Beach Mayor Penny Lyons adjourned meeting at 5:47 pm.

Next Meeting: April 19, 2011 at 5:15 P.M at Lake Ozark City Hall.

Penny Lyons, Mayor

Julie Huttenlocker, Joint Sewer Clerk

JOINT SEWER BOARD

BILL LIST

April 19, 2011

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:	\$	21,787.07
OPERATING FUND BILLS TO BE PAID:	\$	11,391.95
EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:	\$	-
EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:	\$	-

TOTAL	\$	33,179.02
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OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:

Account	Check	Paid To:	Description:	Amount:
4185	3086	Ameren Missouri	Electric	\$ 3,757.20
4170	3087	Alliance Water Resources, Inc.	Management Fee	\$ 21,787.07

TOTAL	\$	21,787.07
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OPERATING FUND BILLS TO BE PAID:

Account	Check	Paid To:	Description:	Amount:
4000	3088	Equipment Replacement Fund	Payment into ER Fund	\$ 3,467.17
4010	3089	Equipment Replacement Fund	New Basin -Loan Payment	\$ 2,330.12
4020	3090	Alliance Water Resources, Inc.	Repair/replace Clarifer motor 1 & 2	\$ 384.85
4150	3090	Alliance Water Resources, Inc.	Vehicles Main	\$ 161.43
4240	3090	Alliance Water Resources, Inc.	13hp Honda hot pw/steam hose	\$ 3,848.38
4160	3091	Alliance Water Resources, Inc.	Waste Hauling Fees	\$ 1,200.00

	\$	11,391.95
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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:
				\$ -



Please Return This Portion With Your Payment.

AMOUNT DUE	DUE DATE
\$3,477.33	Mar 22, 2011
AMOUNT PAYABLE AFTER MAR 31, 2011	ACCOUNT NUMBER
\$3,529.49	45800-05832

Amount

Enclosed \$



>00528 0058792 0001 092139
ALLIANCE WATER RESOURCES INC
ACCTS PAYABLE
206 S KEENE ST
COLUMBIA, MO 65201

00528 1 MB 0.382 MIX 630



Ameren Missouri
P.O. Box 66301
St. Louis, MO 63166-6301

60600000 0045800058302 000003477330 000003477330

Keep This Portion For Your Records

ACCOUNT NUMBER	45800-05832
NAME	ALLIANCE WATER RESOURCES INC
SERVICE AT	3 ANDERSON RD, - LAKE OZARK, MO 65049

BILL DATE	Mar 10, 2011
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TOTAL AMOUNT DUE BY	Mar 22, 2011	\$3,477.33
DELINQUENT AFTER	Mar 31, 2011	\$3,529.49

Payment Received on Feb 22, 2011

\$3,261.21

TYPE OF READING	METER NUMBER	SERVICE FROM TO	NO DAYS	METER HEADING PREVIOUS	METER HEADING PRESENT	READING DIFFERENCE	METER MULTIPLIER	THERM FACTOR	USAGE	R D
Total kWh	11673321	02/07-03/08	29	3077.0000	3499.0000	422.0000	160.0000		67520.0000	A
Peak kW	11673321	02/07-03/08	29	0.0000	0.7990	0.7990	160.0000		127.8400	A

Service To

SUMMARY

Total kWh	03/08/2011	67520.0000	Peak kW	03/08/2011	127.8000
Total Billing Demand	03/08/2011	127.8000	October Winter Base kW	03/08/2011	177.6000
Winter Base Demand	03/08/2011	127.8000	Base kWh Ratio	03/08/2011	1.0000
Base kWh (HUD)	03/08/2011	67520.0000	Seasonal kWh (HUD)	03/08/2011	0.0000

METERED ELECTRIC SERVICE BILLING

Rate 3M Large General Service

	Service From	02/07/2011	To	03/08/2011
Seasonal Energy Charge	0.00	kWh	@	\$.03260000
Demand Charge	127.80	kW	@	\$1.54000000
Base Energy Chg / Hours Used	19,170.00	kWh	@	\$.05600000
Base Energy Chg / Hours Used	25,560.00	kWh	@	\$.04150000
Base Energy Chg / Hours Used	22,790.00	kWh	@	\$.03260000
Customer Charge				\$742.95
Rider FAC Adjustment				\$79.89
Total Service Amount	67,520.00	kWh	@	\$.00479000

\$3,477.33

Current Amount Due	\$3,477.33
Prior Amount Due	\$0.00
Total Amount Due	\$3,477.33

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

MAR 14 2011

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: 4844

Invoice Date: 01-Apr-11

Customer No: 20220

Terms: 30 days

REFERENCE	DESCRIPTION	AMOUNT
	Wastewater Plant operating service for month of: Apr-11 Base Fee	\$21,787.07
TOTAL DUE		\$21,787.07

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: 4874

Invoice Date: 01-Apr-11

Customer No: 20220

Terms: 30 days

REFERENCE	DESCRIPTION	AMOUNT
	Grainger - 1 Invoice - 50%	\$189.43
	O'Reilly - 2 Invoices - 50%	\$161.43
	JCI - 1 Invoice - 50%	\$195.42
	HSBC Business Solutions (Northern Tool) - 1 Invoice - 100%	\$3,848.38
TOTAL DUE		\$4,394.66



455 KNIGHTSBRIDGE PKWY
LINCOLNSHIRE, IL 60069-3614
www.grainger.com

PAGE 1

ORIGINAL INVOICE

GRAINGER ACCOUNT NUMBER 858374754
INVOICE NUMBER 9489288432
INVOICE DATE 03/18/2011
DUE DATE 04/17/2011
AMOUNT DUE \$378.85

SHIP TO
ATTN: GARY HUTCHCRAFT
ALLIANCE WATER RESOURCES
GARY HUTCHCRAFT
3 ANDERSON RD
LAKE OZARK MO 65049-0000

PO NUMBER
REQUISITIONED BY
CALLER:
CUSTOMER PHONE
INCO TERMS.

GARY HUTCHCRAFT
GARY HUTCHCRAFT
GARY HUTCHCRAFT
5733850455
FOB ORIGIN

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

THANK YOU!

FEI NUMBER 36-1150280
FOR QUESTIONS ABOUT THIS INVOICE OR ACCOUNT CALL 877-202-2594

PO LINE #	ITEM #	DESCRIPTION	QUANTITY	BACK ORDERED	UNIT PRICE	TOTAL
0	41565568	EMERSON GEAR MOTOR -EMERSON GEAR MOTOR 1 Emerson gear motor 1/2 hp MANUFACTURER # 7762 SPARE/Backup Motor for CLARIFIERS 1+2 GL Acct#: <u>6705-20 \$189.42 1220-20 \$189.43</u> Signature: <u>Gary Hutchcraft</u> Date: <u>3/22/11</u>	1		365.90	365.90

NUMBER OF PKGS:

WEIGHT: 0.000

DATE SHIPPED:

CARRIER: UPS GROUND

TRACKING NO.

INVOICE SUB TOTAL

365.90

SHIPPING CHARGE

12.95

These items are sold for domestic consumption in the United States. If exported, purchaser assumes full responsibility for compliance with US export controls.

PAYMENT TERMS Net 30 days - PAY THIS INVOICE. NO STATEMENT SENT PAYABLE IN U.S. DOLLARS

AMOUNT DUE

\$378.85

PLEASE DETACH THIS PORTION AND RETURN WITH YOUR PAYMENT

BILL TO:

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

REMIT TO:

GRAINGER
DEPT. 858374754
P.O. BOX 419267
KANSAS CITY, MO 64141-6267

858374754948928843210000378851000000010000000100000011041784

X

ACCOUNT NUMBER

858374754

DATE

03/18/2011

INVOICE NUMBER

9489288432

AMOUNT DUE

\$378.85

FOR COMMENTS OR CHANGE OF ADDRESS, ENTER INFORMATION ON REVERSE SIDE



OFFICE P.O. BOX 1156, SPRINGFIELD, MO. 65801
PHONE (417) 862-3333

STORE PHONE # 573 392-1341
REMIT TO: PO BOX 790098
ST LOUIS MO 63179-0098

BILL TO

192187

SHIP TO

ALLIANCE WATER RESOURCES
#3 ANDERSON RD
PO BOX 1985
LAKE OZARK

MO 65049-1985

INVOICE
NUMBER

0092 160940

INVOICE
TYPE

CHARGE SALE

INVOICE
DATE

3/22/11

COUNTER NO.	SPECIAL INSTRUCTIONS				SHIP VIA	CUSTOMER ORDER NO.	TIME OF ORDER	FILLED BY	CHECKED BY				
10066						FRANK	14:07:11						
TAX	R	C	QTY.	LINE	ITEM NUMBER	UNIT MEAS.	CD.	DESCRIPTION	LIST PRICE	NET PRICE	DISC %	CORE PRICE	EXTENDED PRICE
T	*		5		SHE. 115-40-1	EA		103MotorOil	25.41	10.99			54.95
T	*		1		ARC 5103	EA		11ozFlatClnr	10.15	9.99			9.99
T	*		3		WIP. GRL	EA		61 WIPER FLD	3.37	1.99			5.97
					MFG. DEFECT WARRANTY								
T	*		1		WIX 51791	EA		OIL FILTER	25.41	11.99			11.99
T	*		1		WIX 57035	EA		OIL FILTER	18.63	10.99			10.99
T	*		1		WIX 1982	EA		12pkShopTowl	9.16	1.99			1.99
					MFG. DEFECT WARRANTY								

TOTALS

13

CUSTOMER COPY "We appreciate your business."

288.27

102.97

SUB-TOTAL

102.97

CUSTOMER SIGNATURE

Frank

CASH TEND

CHANGE

MISC.

TAX/FEES

TOTAL

ALL MERCHANDISE RETURNED MUST BE ACCOMPANIED BY THIS INVOICE

Visit Us At: www.oreillyauto.com



OFFICE P.O. BOX 1156, SPRINGFIELD, MO. 65801
PHONE (417) 862-3333

STORE PHONE # 573 392-1341
REMIT TO: PO BOX 790098
ST LOUIS MO 63179-0098

BILL TO

192187

SHIP TO

ALLIANCE WATER RESOURCES
#3 ANDERSON RD
PO BOX 1985
LAKE OZARK

MO 65049-1985

INVOICE
NUMBER

0092 160940

INVOICE
TYPE

CHARGE SALE

INVOICE
DATE

3/22/11

COUNTER NO.	SPECIAL INSTRUCTIONS			SHIP VIA	CUSTOMER ORDER NO.	TIME OF ORDER	FILLED BY	CHECKED BY					
10066					FRANK	14:07:11							
TAX	R	C	QTY.	LINE	ITEM NUMBER	UNIT MEAS.	CD.	DESCRIPTION	LIST PRICE	NET PRICE	DISC %	CORE PRICE	EXTENDED PRICE

Promotional and/or Advertised Everyday Low Price applied to some items

TOTALS

13

CUSTOMER COPY "We appreciate your business."

288.27

102.97

SUB-TOTAL

102.97

CASH

CUSTOMER SIGNATURE

Frank

CASH TEND

CHANGE

MISC.

TAX/FEES

TOTAL

8.36

ALL MERCHANDISE RETURNED MUST BE ACCOMPANIED BY THIS INVOICE

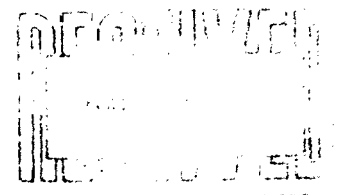
Visit Us At: www.oreillyauto.com

GL Acct#: 6702-20 \$59.79 1220-20 \$51.44

Signature: *Larry Hultsch*

4150

Date: 3/22/11





OFFICE P.O. BOX 1156, SPRINGFIELD, MO. 65801
PHONE (417) 862-3333



STORE PHONE # 573 348-2325
REMIT TO: PO BOX 700498
ST LOUIS MO 63179-0098

BILL TO

192183

SHIP TO

ALLIANCE WATER RESOURCES
#3 ANDERSON RD
PO BOX 1985
LAKE OZARK

MO 65049-1985

INVOICE
NUMBER

0046-489693

INVOICE
TYPE

CHARGE SALE

INVOICE
DATE

3/02/11

COUNTER NO.	SPECIAL INSTRUCTIONS				SHIP VIA	CUSTOMER ORDER NO.	TIME OF ORDER	FILLED BY	CHECKED BY			
93					DELIVER	FRANK	14:09:16					
TAX	R C	QTY.	LINE	ITEM NUMBER	UNIT MEAS.	CO.	DESCRIPTION	LIST PRICE	NET PRICE	DISC %	CORE PRICE	EXTENDED PRICE
T	*	2	SSB 31 57		EA	E	BATTERY	186.42	103.99			219.98
	*	=		36 MO P/R WARR. 18 MO FREE REPLACEMENT								
N		2	TAX BATTERY FEE		EA		BATTERY FEE	.85	.50			1.00

TOTALS Call 866-830-4351 for Super Start National Warranty Information
2 CASH TENDERS \$17.44 We appreciate your business

372.84 219.98

SUB-TOTAL 219.98

MISC.

TAX / FEES 17.44

TOTAL

FRANK
CUSTOMER SIGNATURE

Frank Hutchcraft

CASH TEND

CHANGE

ALL RETURNED MERCHANDISE MUST BE ACCOMPANIED BY THIS INVOICE

Visit Us At: www.oreillyauto.com

BATTERIES FOR FIELD TRK.

GL Acct#: 6702-20 \$127.43 1220-20 \$109.99

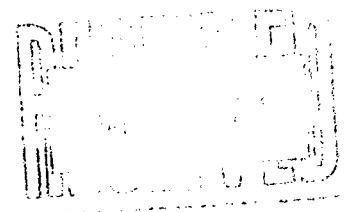
Signature:

Larry Hutchcraft

Date:

3/2/11

4150



INVOICE

Remit To:

JCI Industries, Inc
PO Box 411114
Kansas City, MO 64141
816-525-3320



Invoice Number	
8030301	
Invoice Date	Page
3/31/2011 13:29:35	1 of 1
Sales Order Number	
1026830	

Branch: 06 JEFFERSON CITY

Bill To:

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

Ship To:

ALLIANCE WATER RESOURCES
LAKE OZARK
#3 ANDERSON ROAD
LAKE OZARK, MO 65049

****DIRECT SHIPMENT****

Customer ID:400030

PO Number					Terms Description			Net Due Date		
GARY HUTCHCRAFT					NET 20			4/20/2011		
Order Date		Pick Ticket No		Primary Salesrep Name					Order Taker	
3/15/2011 08:28:40		3029247		Gary Edwards II					JGOERES	
Quantities					Item ID Item Description			Pricing UOM	Unit Price	Extended Price
Ordered	Shipped	Remaining	UOM Unit Size	Disp.				Unit Size		
1.00	1.00	0.00	EA		7762	EA			372.5000	372.50
			1.0		US GEARMOTOR	1.0000				

Total Lines: 1

Total Freight In: 0.00

Total Freight Out: 18.34

SUB-TOTAL: 372.50
TOTAL FREIGHT: 18.34
TAX: 0.00
AMOUNT DUE: 390.84

Carrier: UPS

Tracking #: 1ZA139220327377789

Merchandise cannot be returned without permission. Claims for shortages or errors must be made in writing within thirty (30) days after receipt of goods. All approved returns must include a JCI return authorization number and may be subject to a restocking fee up to 25%.

REPLACEMENT MOTOR FOR CLARIFIER #2

GL Acct#: 6705-20 \$195.42 1220-20 \$195.42

Signature: Gary Hutchcraft 4020

Date: 4/4/11

ORIGINAL

NORTHERN TOOL & EQUIPMENT

Account Number	Invoice Number	Total Due	Due Date	Amount Paid
7003-7059-2011-8987	23621693	\$3,848.38	04/27/2011	\$

Please make your check payable to HSBC BUSINESS SOLUTIONS. Include your account number on your check or money order. To avoid late charges, mail at least 7 business days before due date to:

ALLIANCE WATER RESOURCES
3 ANDERSON RD
LAKE OZARK MO 65049

HSBC BUSINESS SOLUTIONS
PO BOX 5219
CAROL STREAM IL 60197-5219



00384838003848380007003705920118987007831

PLEASE RETURN THE ABOVE PORTION WITH YOUR PAYMENT.



ACCOUNT: 7003-7059-2011-8987
NORTHERN TOOL & EQUIPMENT

PAGE: 1 OF 1
PURCHASE DATE: 03/16/2011

INVOICE: 23621693

SHIP TO: ALLIANCE WATER RESOURCES
3 ANDERSON RD
122129750309342575
LAKE OZARK MO 65049

P.O. #: 1037-20
AUTHORIZED BUYER: 0000000000012241856

ITEM DESCRIPTION	QUANTITY	UNIT PRICE	DISCOUNT	EXTENDED TOTAL
157310 13HP HONDA HOT PW 4/3	1	\$3,499.99	\$.00	\$3,499.99
30337 3/8"X100' STEAM HOSE	1	\$249.99	\$.00	\$249.99

GL Acct#: 1220-20

Signature: [Signature]

Date: 4/5/11

SUBTOTAL \$3,749.98
TAX \$.00
SHIPPING/DELIVERY \$98.40

TOTAL INVOICE \$3,848.38

Important Notice
This is a notification that a change of address has been processed on your account. Please be advised that a confirmation letter has been sent to your previous address. If you have not authorized a recent change of address, please contact us immediately at the phone number indicated on your statement.

TDD/Hearing Impaired: 800-365-0186

NET TERMS = 30 DAYS
INVOICE PAYMENT DUE DATE: 04/27/2011

For billing errors or questions, please call 1-800-365-6519

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: 4841

Invoice Date: 31-Mar-11

Customer No: 20220

Terms: 30 days

REFERENCE	DESCRIPTION	AMOUNT
	Hauled waste payments for the month of Mar-11	
	1 Hauled Waste Load @ \$30.00 each	\$30.00
	3 Hauled Waste Loads @ \$40.00 each	\$120.00
	21 Hauled Waste Loads @ \$50.00 each	\$1,050.00
TOTAL DUE		\$1,200.00

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

Account Number	Account Name	3/31/2011					Percent YTD
		2009 Actual	2010 Actual	2011 Budget	2011 Actual as of 3/31/2011	2011 March Revenue	
3020	Osage Beach	497,506.57	407,036.02	396,900.00	66,679.65	31,842.67	17%
3010	Lake Ozark	88,558.73	92,130.61	93,100.00	14,987.01	8,990.66	16%
3100	Interest	47.88	136.11	100.00	21.79	9.17	22%
3060	Waste Haulers' Fee	45,240.00	41,630.00	38,000.00	4,700.00	2,560.00	12%
3030	Misc Income Gen Grant	209.40	0.00	0.00	0.00	25.00	0%
Total Operating Fund		631,562.58	540,932.74	528,100.00	86,388.45	43,427.50	16%
E/R Fund Income		1,183.30	1,645.40	1,000.00	58.37	9.67	6%
TOTAL INCOME		632,745.88	542,578.14	529,100.00	86,446.82	43,437.17	16%

**MONTH-TO-DATE AND YEAR-TO-DATE
EXPENDITURE/BUDGET ANALYSIS
3/31/2011**

Account Number	Account Name	2009 Actual	2010 Actual	2011 Budget	2011 Actual as of 3/31/2011	2011 March Expenses	Percent YTD
4000	Equipment Replace Fund	41,606.04	41,606.04	42,000.00	10,401.51	3,467.17	25%
4010	ERF Repayment	27,961.44	27,961.44	27,961.44	6,990.36	2,330.12	25%
4020	**Maintenance & Repair	34,052.32	15,611.62	57,000.00	688.48	177.21	1%
4140	Insurance	16,305.00	16,211.00	17,000.00	0.00	0.00	0%
4150	Vehicle Repair/Maint	5,906.73	2,660.05	3,000.00	409.78	195.78	14%
4160	Haulers Fees to Contractor	8,600.00	8,000.00	8,000.00	1,200.00	300.00	15%
4170	Contract Management	308,837.65	312,836.20	265,000.00	70,440.95	26,866.81	27%
4185	Electric	0.00	0.00	65,000.00	3,547.01	3,547.01	5%
4190	Miscellaneous	0.00	0.00	0.00	0.00	0.00	0%
4200	Audit	1,550.00	1,600.00	1,650.00	0.00	0.00	0%
4220	***Professional Service	155,052.28	24,828.71	30,000.00	3,744.18	0.00	12%
4240	*Capital Purchases	5,339.49	1,659.40	12,000.00	2,344.53	2,344.53	20%
	Totals	605,210.95	452,974.46	528,611.44	99,766.80	39,228.63	19%
	**E/R Expenses	41,562.00	31,809.73	10,000.00	1,523.00	0.00	15%
	TOTAL EXPENSES	646,772.95	484,784.19	538,611.44	101,289.80	39,228.63	19%
***Professional Services:							
	Engineering Consulting Fee/Backup Generator		5,000.00				8,000.00
	Normal/Magrunder Lawsuit		25,000.00				4,000.00
			<u>30,000.00</u>				<u>12,000.00</u>
*Capital Purchase Detail:							
	16 Channel Auto Dialer						8,000.00
	Pressure Washer/Steam Clean						4,000.00
							<u>12,000.00</u>
**Maintenance & Repair							
	UV Spare Parts						5,000.00
	Replace Wooden Doors with Fib						4,000.00
	Rock for Road						2,000.00
	Normal Maintenance						6,000.00
	#2 Aeration Basin Main.						40,000.00
							<u>57,000.00</u>

OPERATING FUND INCOME AND EXPENSE SUMMARY
3/31/2010

Beginning Balance	199,941.89
Income - Osage Beach	31,842.67
Income - Lake Ozark	8,990.66
Income - Other	25.00
Income - Waste Haulers' Fees	2,560.00
Interest - Checking	9.17
Transfers From E/R Fund	0.00
Transfers to E/R fund	-5,797.29
Expenses	-33,641.53
Ending Fund Balance	203,930.57
NOW Account - Central Bank	103,930.57
CD First National Bank, 1.00%, 07/10/11	100,000.00
Outstanding Checks:	
Deposit in Transit:	0.00
	203,930.57

EQUIPMENT REPLACEMENT FUND INCOME AND EXPENSE SUMMARY
3/31/2010

Beginning Balance	184,523.97
Interest - Checking	9.67
Transfers From E/R Fund	5,797.29
Transfers to E/R Fund	0.00
Income - CD Interest	0.00
Income - Miscellaneous	0.00
Expenses	0.00
Ending Fund Balance	190,330.93
NOW Account - First Bank	78,727.07
CD First National Bank, 1.00%, 07/10/11	111,603.86
Deposit in Transit	0.00
Outstanding Checks:	0.00
	190,330.93

**OPERATING FUND
BALANCE SHEET
3/31/2010**

		DEBITS	CREDITS	
ASSETS	CASH AND INVESTMENTS	203,930.57		
ACCOUNTS PAYABLE	DUE TO E.R. FUND - BASIN		70,722.80	
EQUITY	FUND BALANCE		133,207.77	
TOTAL OPERATING FUND		203,930.57	203,930.57	-

**EQUIPMENT REPLACEMENT FUND
BALANCE SHEET
3/31/2010**

		DEBITS	CREDITS	
ASSETS	CASH AND INVESTMENTS	190,330.93		
ACCOUNTS RECEIVABLE	DUE FROM OPERATING FUND - BASIN	70,722.80		
EQUITY	FUND BALANCE		261,053.73	
TOTAL EQUIPMENT REPLACEMENT FUND		261,053.73	261,053.73	-

Operating Fund

CHECK REGISTER - JOINT SEWER BOARD OPERATION FUND

	reconciled balance 10/31/10			158,555.58
3060	Alliance Water Resources, Inc.	X	26,055.68	132,499.90
3061	ER Fund Transfer	X	3,467.17	129,032.73
3062	ER Fund Loan Payment	X	2,330.12	126,702.61
3063	Alliance Water Resources, Inc.	X	605.33	126,097.28
	Deposit	X	6,796.13	132,893.41
	Deposit	X	34,037.20	166,930.61
	Deposit	X	1,520.00	168,450.61
	Deposit	X	683.00	169,133.61
	Interest	X	13.42	169,147.03
	reconciled balance 11/30/10			169,147.03
3064	Alliance Water Resources, Inc.	X	26,055.68	143,091.35
3065	ER Fund Transfer	X	3,467.17	139,624.18
3066	ER Fund Loan Payment	X	2,330.12	137,294.06
3067	Alliance Water Resources, Inc.	X	204.33	137,089.73
	Deposit	X	7,191.50	144,281.23
	Deposit	X	33,641.83	177,923.06
	Interest	X	15.20	177,938.26
	reconciled balance 12/31/10			177,938.26
3068	Alliance Water Resources, Inc.	X	21,787.07	156,151.19
3069	ER Fund Transfer	X	3,467.17	152,684.02
3070	ER Fund Loan Payment	X	2,330.12	150,353.90
3071	Alliance Water Resources, Inc.	X	87.50	150,266.40
3072	CD		100,000.00	50,266.40
	Deposit	X	7,149.70	57,416.10
	Deposit	X	33,383.63	90,799.73
	Deposit	X	3,800.00	94,599.73
	Interest	X	14.18	94,613.91
	reconciled balance 1/31/11			94,613.91
3073	Alliance Water Resources, Inc.	X	21,787.07	72,826.84
3074	ER Fund Transfer	X	3,467.17	69,359.67
3075	ER Fund Loan Payment	X	2,330.12	67,029.55
3076	Alliance Water Resources, Inc.	X	637.77	66,391.78
3077	Alliance Water Resources, Inc.	X	900.00	65,491.78
3078	Bryan Cave	X	2,572.82	62,918.96
3079	Bryan Cave	X	1,171.00	61,747.96
3080	Ameren Missouri	X	3,547.01	58,200.95
	Deposit	X	7,837.31	66,038.26
	Deposit	X	32,996.02	99,034.28
	Deposit	X	900.00	99,934.28
	Interest	X	7.61	99,941.89
	reconciled balance 2/28/11			99,941.89
3081	Alliance Water Resources, Inc.	X	26,866.81	73,075.08
3082	ER Fund Transfer	X	3,467.17	69,607.91
3083	ER Fund Loan Payment	X	2,330.12	67,277.79
3084	Alliance Water Resources, Inc.	X	2,717.52	64,560.27
3085	Alliance Water Resources, Inc.	X	300.00	64,260.27
3086	Alliance Water Resources, Inc.	X	3,757.20	60,503.07
	Deposit	X	8,990.66	69,493.73
	Deposit	X	31,842.67	101,336.40
	Deposit	X	2,585.00	103,921.40
	Interest	X	9.17	103,930.57
	reconciled balance 3/31/11			103,930.57



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

001918

Return Service Requested

EFFECTIVE JANUARY 4, 2011: WE WILL NO
LONGER CHARGE A \$2.00 DAILY OVERDRAFT
FEE OUR OVERDRAFT/RETURN CHECK (NSF)
FEE AND STOP PAYMENT FEE WILL BE \$30.00



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

Period 03/01/2011-03/31/2011 Page 1 of 2

Web Address
www.cbolobank.com

M 000007297 M 6

Your Financial Summary on March 31, 2011

Account Balances & Other Assets

Checking	\$ 103,930.57
Total	\$ 103,930.57

Detailed Explanation of Account Balances and Other Assets

Basic Plus Interest Checking

No. 000007297 Beginning Balance February 28, 2011 \$ 99,941.89

Deposits

Mar. 04 Deposit		460.00
Mar. 11 Deposit		8,990.66
Mar. 11 Deposit		31,842.67
Mar. 16 Deposit		2,100.00
Mar. 22 Deposit		325.00
Mar. 31 Interest Earned		9.17

Total +\$ 43,727.50

Checks

Check No.	Date Paid	Amount	Check No.	Date Paid	Amount
3081	Mar. 14	26,866.81	3084	Mar. 17	2,717.52
3082	Mar. 17	3,467.17	3085	Mar. 17	300.00
3083	Mar. 17	2,330.12	3086	Mar. 23	3,757.20

Total -\$ 39,438.82

Withdrawals and other charges

Date	Type	Transaction Description
Mar. 09	Return Item	

Total -\$ 300.00

Ending Balance March 31, 2011

\$ 103,930.57

Number of days since last statement/interest cycle 31
Beginning and ending dates for calculation of statement/interest cycle are 03/01/2011 through 03/31/2011
Average collected balance 107,960.00
Interest rate 0.10%
Annual percentage yield earned 0.10%

CHECK REGISTER - JOINT SEWER BOARD EQUIPMENT REPLACEMENT FUND

			reconciled balance 4/30/10	39,788.23
	Interest	X	3.20	39,791.43
	Deposit	X	5,797.29	45,588.72
			reconciled balance 5/31/10	45,588.72
	Interest	X	5.24	45,593.96
	Deposit	X	5,797.29	51,391.25
			reconciled balance 6/30/10	51,391.25
	Interest	X	6.55	51,397.80
	Deposit	X	5,797.29	57,195.09
			reconciled balance 7/31/10	57,195.09
1117	Alliance Water Resources	X	1,641.03	55,554.06
	Interest	X	7.66	55,561.72
	Deposit	X	5,797.29	61,359.01
			reconciled balance 8/31/10	61,359.01
	Interest	X	7.76	61,366.77
	Deposit	X	5,797.29	67,164.06
			reconciled balance 9/30/10	67,164.06
	Interest	X	8.12	67,172.18
	Deposit	X	5,797.29	72,969.47
			reconciled balance 10/31/10	72,969.47
1118	Spray Com Utilities	X	18,750.00	54,219.47
1119	GLW	X	2,998.70	51,220.77
	Interest	X	9.26	51,230.03
	Deposit	X	5,797.29	57,027.32
			reconciled balance 11/30/10	57,027.32
	Interest	X	7.65	57,034.97
	Deposit	X	5,797.29	62,832.26
			reconciled balance 12/31/10	62,832.26
1120	Denny's Dock Service	X	1,523.00	61,309.26
	Interest	X	8.24	61,317.50
	Deposit	X	5,797.29	67,114.79
			reconciled balance 1/31/11	67,114.79
	Interest	X	8.03	67,122.82
	Deposit	X	5,797.29	72,920.11
			reconciled balance 2/28/11	72,920.11
	Interest	X	9.67	72,929.78
	Deposit	X	5,797.29	78,727.07
			reconciled balance 3/31/11	78,727.07



4558 Hwy 54, Suite 100
Osage Beach, MO 65065
(573) 348-2265

009 00010 26
ACCOUNT:
DOCUMENTS:

100395311
1
PAGE: 1
03/31/2011

45

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

THE LAKE OZARK BRANCH WILL BE CLOSING ON APRIL 30, 2011

BUSINESS MMDA ACCOUNT 100395311

LAST STATEMENT 02/28/11 72,920.11
2 CREDITS 5,806.96
DEBITS .00
THIS STATEMENT 03/31/11 78,727.07

DESCRIPTION DATE AMOUNT
WIRE TRANSFER 03/16 5,797.29
INTEREST 03/31 9.67

I N T E R E S T

AVERAGE LEDGER BALANCE: 75,912.25 INTEREST EARNED: 9.67
AVERAGE AVAILABLE BALANCE: 75,912.25 DAYS IN PERIOD: 31
INTEREST PAID THIS PERIOD: 9.67 ANNUAL PERCENTAGE YIELD EARNED: .15
INTEREST PAID 2011: 25.94

ITEMIZATION OF OVERDRAFT AND RETURNED ITEM FEES

	TOTAL FOR THIS PERIOD	TOTAL YEAR TO DATE
TOTAL OVERDRAFT FEES:	.00	.00
TOTAL RETURNED ITEM FEES:	.00	.00

DATE	BALANCE	DATE	BALANCE	DATE	BALANCE
03/16	78,717.40	03/31	78,727.07		

NOTICE: SEE REVERSE SIDE FOR IMPORTANT INFORMATION



**OPERATING
DIVISIONS**

MISSOURI

Bonne Terre
Bowling Green
Buchanan County #1
Cameron
Cape Girardeau
East Central Missouri
Water & Sewer
Authority
Elsberry
Franklin County #1
Franklin County #3
Henry County
Water Company
Henry County #3
Lake Ozark/
Osage Beach
Lincoln County #1
Nevada
Olympian Village
Parkville
Phelps County #2
Platte County #C-1
Proctor & Gamble
Ralls County #1
Sedalia
St Charles County #2
St Genevieve
Troy

IOWA

Maquoketa
Tipton

REPORT OF OPERATIONS

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

Month of March 2011

Submitted by Alliance Water Resources, Inc. for the

April 2011

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 have occurred 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	Fecal Coliform Colonies/100 ml
Monthly Average	2.5	2.1	NA	0
Peak Day	3.4	3.2	7.8	0
Percent Removal	99.0	98.9	NA	NA

NPDES EFFLUENT LIMITATIONS

	BOD mg/l	TSS mg/l	pH	Fecal Coliform Colonies/100 ml
Monthly Average	30	30	6-9	400 col/100 ml
Weekly Average	45	45		

PLANT HYDRAULIC AND ORGANIC LOADING

The average daily influent flow for the month was 1.008 MGD or 34% of Permitted flow with Lake Ozark contributing 20% of the total flow and Osage Beach contributing 80%. 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 63829 pounds of BOD.

BIOSOLIDS APPLICATION AND INVENTORY

Plant personnel land applied 43 tanker loads of bio-solids during the month equivalent to a total of 159,100 gallons and 49,803 pounds dry weight solids.

49,803 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 7.5 feet in Tank 1 and 4.0 feet in Tank 2.

WASTEHAULERS

The plant received 25 loads of septage during the month totaling 59,000 gallons.

WWTP OPERATIONS

- Decanting digesters and wasting weekly.
- Normal operations.

WWTP MAINTENANCE AND REPAIR

- Performed routine maintenance throughout the month as per Antero Maintenance Data Management schedule. (New version of Operator 10 Software)
- We received the replacement drive motor for Clarifier #2 on the 17th and installed it on the 18th.
- We started refilling Clarifier #3 on the 17th and put it back online on the 21st.
- We installed all the UV modules on the 23rd and started them up on the 24th. At startup on the 24th we had 7 bulbs show bad and 1 wiper cylinder not working properly, so we changed 3 of the 7 bulbs and rebuilt the wiper cylinder on the 25th. We changed the other 4 bulbs on the 28th and everything is working fine now. We ran an e-coli test on the 29th and it had a 0 colony count.

SAFETY

- We conducted our monthly routine Back Safety / Lifting Methods on the 10th of February.

REGULATORY AGENCY, INSPECTION AND REPORTS

- Mailed DMR to MDNR on the 6th of April.
- We received our first quarter 503 sludge samples results on the 24th and everything looked good. (see attachment)

MISCELLANEOUS AND RECOMMENDATIONS

- We would like to thank Matt and the City of Lake Ozark for letting us use their 6" trash pump for refilling Clarifier #3 and for the use of their skid loader to fill pot holes in the road around the plant. Many Thanks!

TABLE A
LAKE OZARK/OSAGE BEACH WWTP

MONTH OF **March** **2011**

DATE		FLOW					BOD 5 MG/L			TSS MG/L		
	RAIN FALL IN.	LO mgd	OB mgd	COMB mgd	% LO	% OB	LO mg/l	OB mg/l	COMB mg/l	LO mg/l	OB mg/l	COMB mg/l
1-Mar		0.198	0.815	1.013	19.5	80.5						
2-Mar		0.159	0.629	0.788	20.2	79.8						
3-Mar		0.146	0.542	0.688	21.2	78.8						
4-Mar		0.141	0.632	0.773	18.2	81.8	238	213	315	168	156	268
5-Mar	0.4	0.156	0.762	0.918	17.0	83.0						
6-Mar		0.153	0.707	0.860	17.8	82.2						
7-Mar		0.149	0.599	0.748	19.9	80.1						
8-Mar		0.132	0.511	0.643	20.5	79.5						
9-Mar	1.25	0.363	1.437	1.800	20.2	79.8						
10-Mar		0.200	0.703	0.903	22.1	77.9						
11-Mar		0.163	0.606	0.769	21.2	78.8	130	183	170	112	134	122
12-Mar		0.168	0.815	0.983	17.1	82.9						
13-Mar		0.187	0.808	0.995	18.8	81.2						
14-Mar	1	0.219	0.989	1.208	18.1	81.9						
15-Mar	0.3	0.407	1.590	1.997	20.4	79.6						
16-Mar		0.303	1.114	1.417	21.4	78.6						
17-Mar		0.203	0.809	1.012	20.1	79.9						
18-Mar		0.182	0.857	1.039	17.5	82.5	148	225	215	128	152	146
19-Mar		0.187	0.810	0.997	18.8	81.2						
20-Mar	0.8	0.323	1.252	1.575	20.5	79.5						
21-Mar		0.235	0.878	1.113	21.1	78.9						
22-Mar		0.167	0.788	0.955	17.5	82.5						
23-Mar		0.169	0.760	0.929	18.2	81.8						
24-Mar		0.184	0.709	0.893	20.6	79.4						
25-Mar		0.172	0.639	0.811	21.2	78.8	303	250	280	170	236	212
26-Mar		0.180	0.705	0.885	20.3	79.7						
27-Mar	0.5	0.218	1.026	1.244	17.5	82.5						
28-Mar		0.196	0.710	0.906	21.6	78.4						
29-Mar		0.189	0.617	0.806	23.4	76.6						
30-Mar	0.4	0.173	0.625	0.798	21.7	78.3						
31-Mar		0.161	0.611	0.772	20.9	79.1						
SUM	4.7	6.183	25.055	31.238								
AVG		0.199	0.808	1.008	20	80	205	218	245	145	170	187
NOTE: BOLD PRINT INDICATES WEEKEND DAYS												

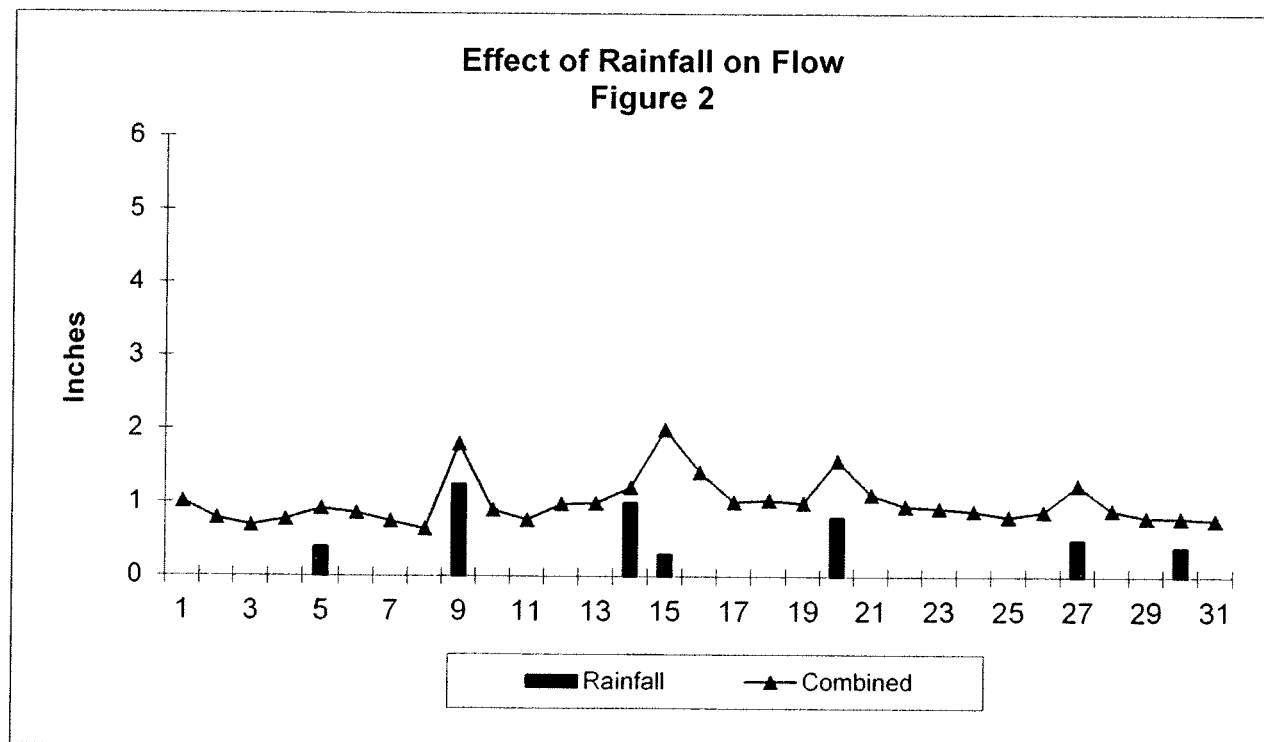
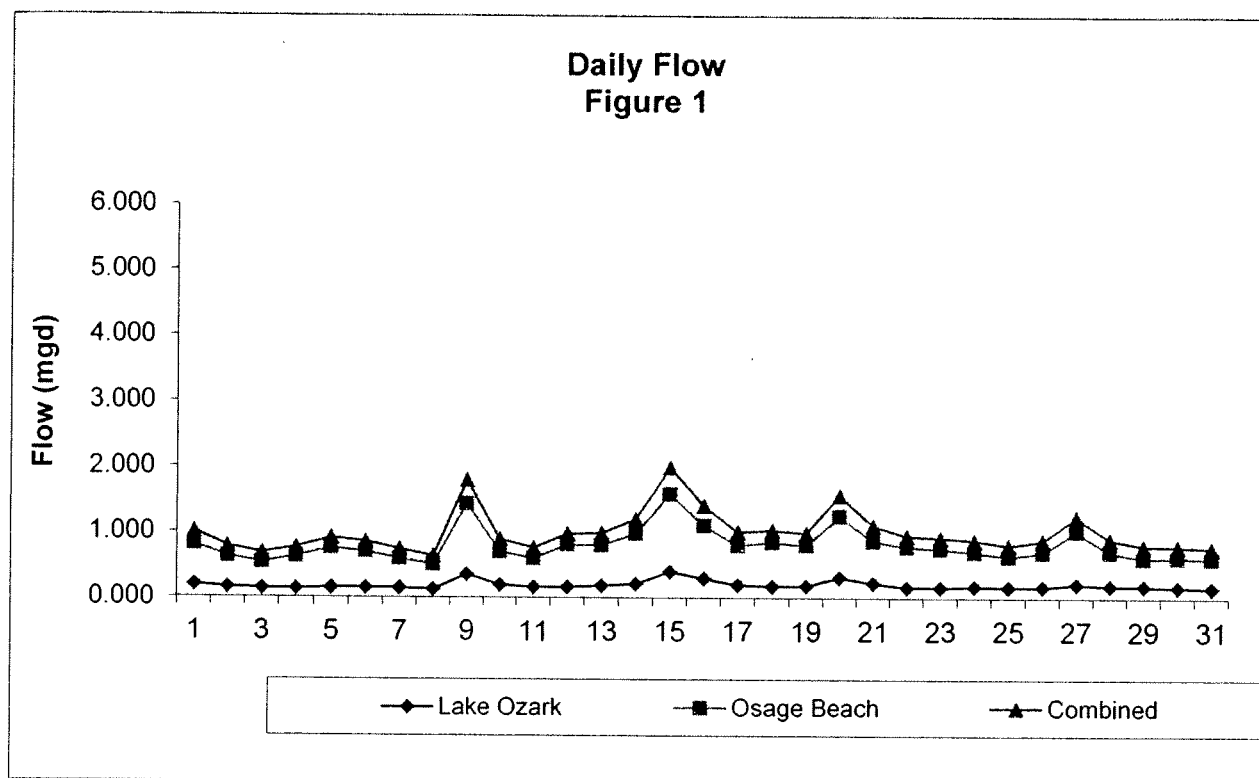


TABLE B
JOINT SEWER BOARD
Monthly Flows

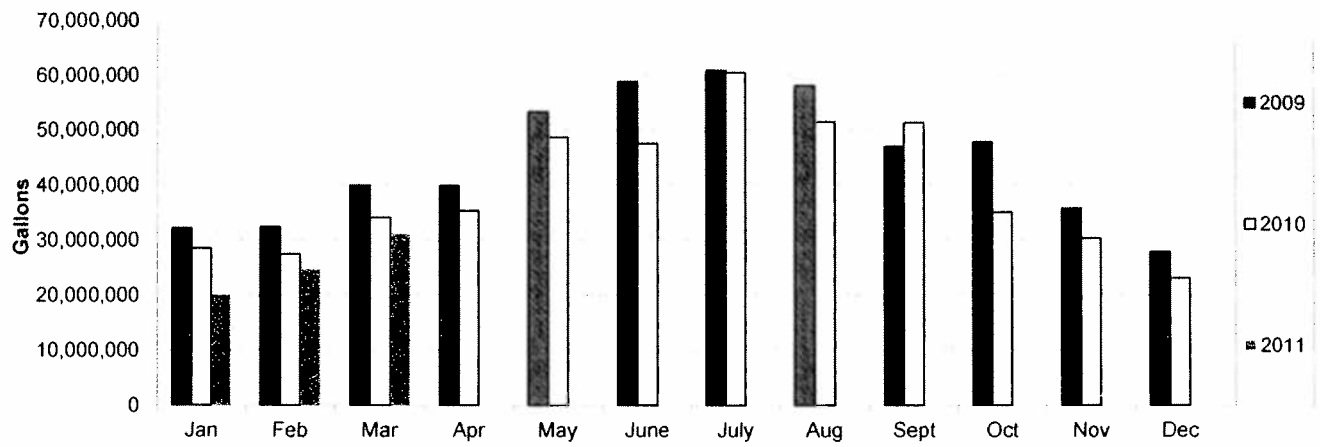
<u>2009</u>	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	0.8	27,603,000	86%	4,633,000	14%	32,236,000	100%
February	3	28,264,000	87%	4,216,000	13%	32,480,000	100%
March	4.5	34,287,000	86%	5,701,000	14%	39,988,000	100%
April	4.6	33,832,000	85%	6,093,000	15%	39,925,000	100%
May	11	44,780,000	84%	8,533,000	16%	53,313,000	100%
June	10	49,564,000	84%	9,253,000	16%	58,817,000	100%
July	4.1	51,683,000	85%	9,198,000	15%	60,881,000	100%
August	3.7	49,673,000	86%	8,413,000	14%	58,086,000	100%
September	5.2	38,768,000	82%	8,243,000	18%	47,011,000	100%
October	11.8	39,271,000	82%	8,484,000	18%	47,755,000	100%
November	4.8	29,057,000	81%	6,697,000	19%	35,754,000	100%
December	3.5	21,993,000	79%	5,887,000	21%	27,880,000	100%
	67.0	448,775,000	84%	79,464,000	16%	534,126,000	100%

<u>2010</u>	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	3.6	22,407,000	78%	6,144,000	22%	28,551,000	100%
February	2.8	21,783,000	79%	5,753,000	21%	27,536,000	100%
March	3.8	27,636,000	81%	6,500,000	19%	34,136,000	100%
April	3.6	28,951,000	82%	6,386,000	18%	35,337,000	100%
May	10.2	39,970,000	82%	8,765,000	18%	48,735,000	100%
June	4.4	39,496,000	83%	8,067,000	17%	47,563,000	100%
July	6.2	50,636,000	84%	9,837,000	16%	60,473,000	100%
August	2.7	42,922,000	83%	8,532,000	17%	51,454,000	100%
September	13.2	42,731,000	83%	8,532,000	17%	51,263,000	100%
October	0.4	28,896,000	82%	6,177,000	18%	35,073,000	100%
November	4.8	25,040,000	82%	5,315,000	18%	30,355,000	100%
December	0.4	18,634,000	81%	4,426,000	19%	23,060,000	100%
	55.9	389,102,000	82%	80,008,000	18%	473,536,000	100%

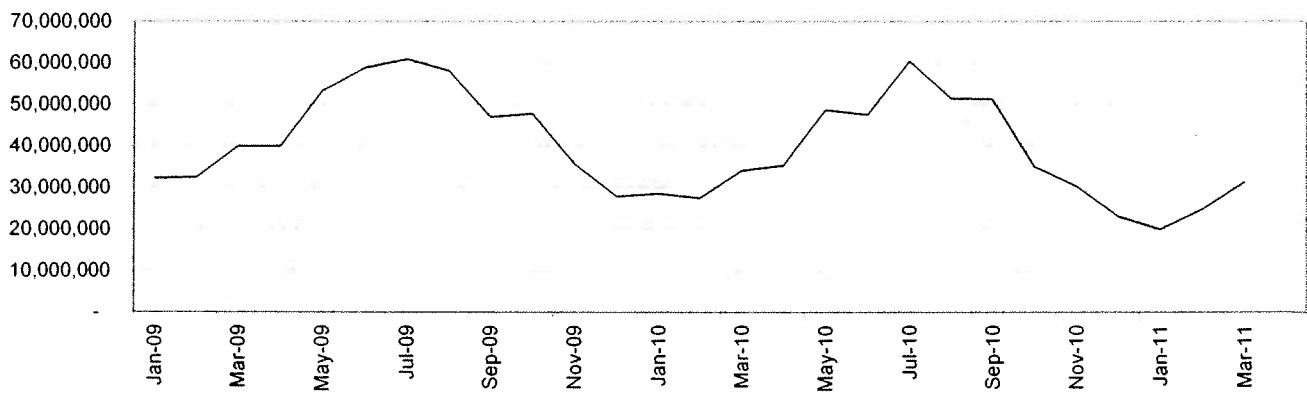
<u>2011</u>	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	0.8	15,566,000	78%	4,395,000	22%	19,961,000	100%
February	4.8	19,737,000	80%	5,030,000	20%	24,767,000	100%
March	4.7	25,055,000	80%	6,183,000	20%	31,238,000	100%
April							
May							
June							
July							
August							
September							
October							
November							
December							
	10.3	60,358,000	79%	15,608,000	21%	75,966,000	100%

*Const in
O.B. &*

Monthly Influent Flow
Figure 3A

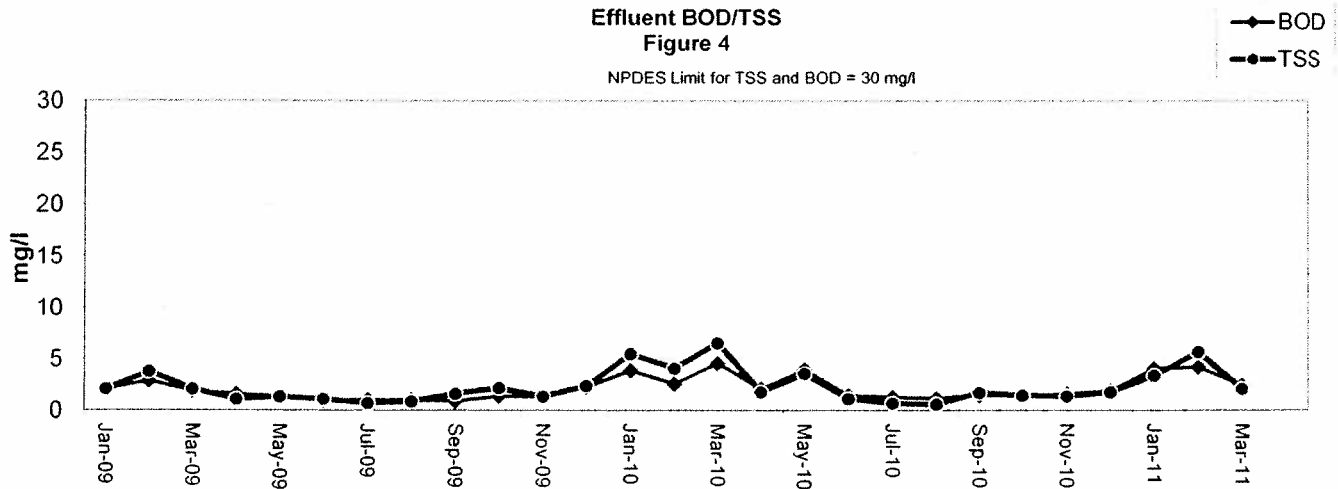


Monthly Influent Flow
Figure 3B

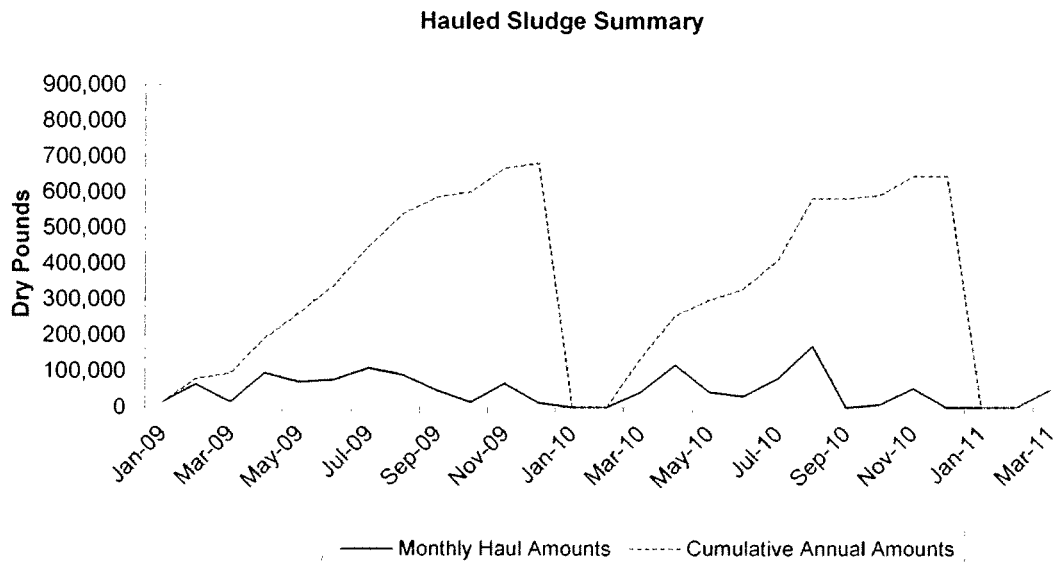
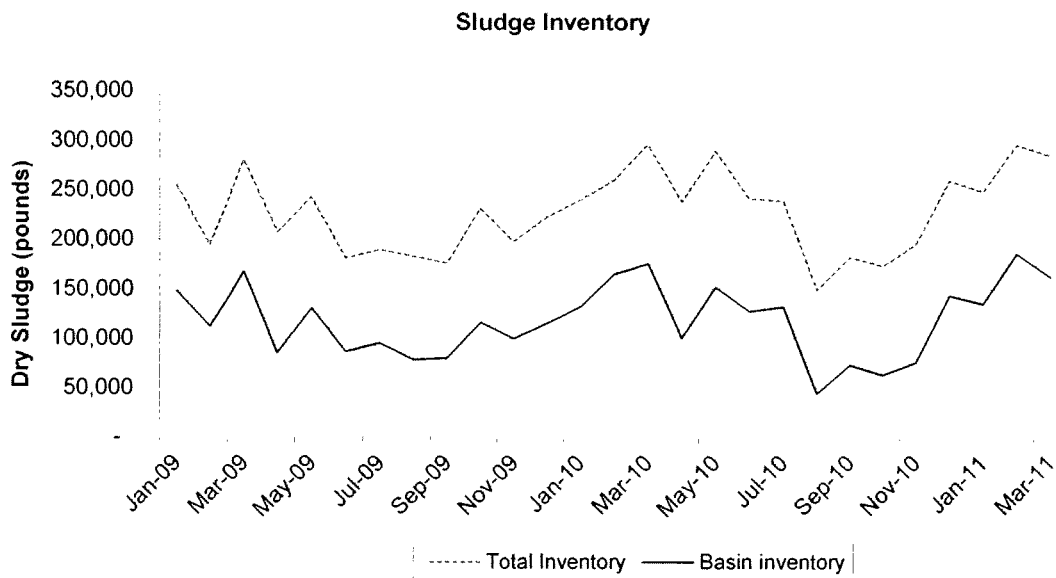


Effluent BOD/TSS
Figure 4

NPDES Limit for TSS and BOD = 30 mg/l

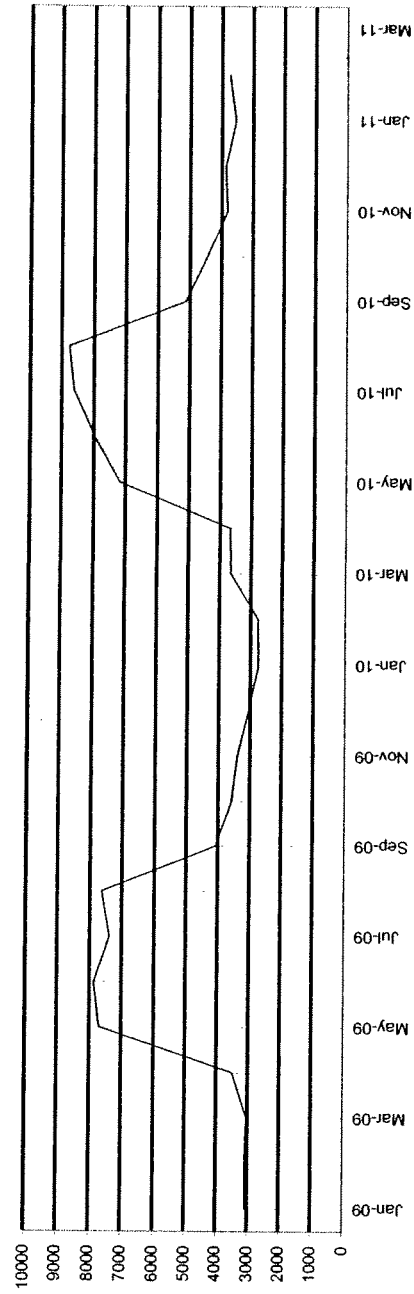


Month	Loads	Hauled Sludge			Basin Depths			Blanket Depths			Blanket and MLSS Inventory			Accepted Septage		
		Gallons	# Dry	% Solids	Tank #1	Tank #2	AB #1	Clar #1	Clar #2	Clar #3	MLSS AB #1	MLSS AB #2	# Dry	% Solids	Studge Inventory	Total Dry
Jan-09	12	44,400	14,627	4.0%	6.0	4.0	0.0	0.0	0.0	0.0	3,860	3,617,762	106,809	0.00354	255,056	24
Feb-09	53	196,100	65,018	4.0%	5.0	2.5	0.0	0.0	0.5	0.0	3,640	3,608,881	82,469	0.00274	194,369	24
Mar-09	12	44,400	15,738	4.3%	5.5	5.0	0.0	0.0	0.0	0.5	4,110	3,657,238	112,855	0.0037	280,337	18
Apr-09	82	303,400	96,032	3.8%	5.0	1.0	0.0	0.0	0.0	0.0	3,360	3,696,714	122,089	0.00396	207,549	26
May-09	53	196,100	71,251	4.4%	5.5	2.5	0.0	0.0	1.0	1.0	3,360	3,678,952	111,991	0.00365	242,793	26
Jun-09	70	259,000	76,875	3.6%	4.5	2.0	0.0	0.0	0.5	1.0	2,890	3,735,213	94,545	0.00304	181,364	32
Jul-09	70	259,011	110,008	5.1%	5.0	0.0	0.0	0.0	0.0	4.0	3,040	3,791,474	94,072	0.00298	189,635	50
Aug-09	84	310,800	90,568	3.5%	4.5	1.5	0.0	0.0	1.0	1.0	2,910	3,678,952	104,320	0.0034	182,999	55
Sep-09	43	159,100	47,213	3.6%	6.0	0.0	0.0	0.0	0.5	0.0	3,750	3,617,762	96,098	0.00319	176,221	37
Oct-09	13	48,100	14,626	3.6%	6.5	2.0	0.0	0.0	1.0	0.0	3,040	3,635,524	115,217	0.0038	231,526	43
Nov-09	57	210,900	66,838	3.8%	6.0	1.0	0.0	0.0	1.0	0.0	3,820	3,653,286	98,413	0.00323	198,242	57
Dec-09	10	37,000	13,577	4.4%	5.0	2.0	0.0	0.0	2.0	1.0	3,320	3,714,476	107,186	0.00346	222,774	25
Jan-10	0	-	0	4.4%	5.0	3.0	0.0	0.0	2.0	1.0	3,600	3,635,524	107,637	0.00355	239,743	20
Feb-10	0	-	-	4.4%	5.0	5.0	0.0	0.0	1.0	0.0	3,640	3,653,286	94,757	0.00311	259,889	35
Mar-10	37	136,900	42,800	3.7%	7.0	5.5	0.0	0.0	0.0	1.5	3,310	3,682,904	120,251	0.00392	296,109	13
Apr-10	101	373,700	119,328	3.8%	6.0	1.0	0.0	0.0	1.5	2.0	4,440	3,731,261	137,234	0.00441	237,818	48
May-10	31	114,700	43,047	4.5%	6.0	3.0	0.0	0.0	4.5	2.0	3,930	3,793,428	137,305	0.00434	289,302	48
Jun-10	30	111,000	31,506	3.4%	7.0	3.0	0.0	0.0	1.0	1.0	3,650	3,678,952	113,832	0.00371	241,559	60
Jul-10	68	251,600	82,206	3.8%	8.0	1.0	0.0	0.0	2.0	1.0	3,650	3,696,714	106,366	0.00345	238,692	22
Aug-10	141	521,700	171,540	3.9%	3.0	0.0	0.0	0.0	2.5	1.5	3,250	3,714,476	104,708	0.00338	149,097	96
Sep-10	0	-	0	3.9%	2.5	2.5	0.0	0.0	2.0	1.0	3,300	3,750	109,045	0.00352	182,229	18
Oct-10	9	33,300	8,517	3.1%	4.0	1.5	0.0	0.0	0.0	2.0	3,460	3,704,618	110,301	0.00357	173,603	26
Nov-10	39	144,300	54,094	4.5%	4.5	0.0	0.0	0.0	1.5	2.5	3,640	3,736,190	119,654	0.00384	195,565	16
Dec-10	0	-	0	4.5%	4.5	4.0	0.0	0.0	2.0	0.0	3,700	3,671,048	116,037	0.00379	259,589	24
Jan-11	0	-	-	4.5%	5.5	2.5	0.0	0.0	2.0	0.0	3,520	3,653,286	113,495	0.00373	248,603	19
Feb-11	0	-	0	4.5%	6.0	5.0	0.0	0.0	2.5	0.0	3,580	3,679,929	109,872	0.00358	295,646	6
Mar-11	43	159,100	49,803	3.8%	7.5	4.0	0.0	0.0	1.0	0.5	4,100	3,657,238	122,615	0.00402	284,608	25

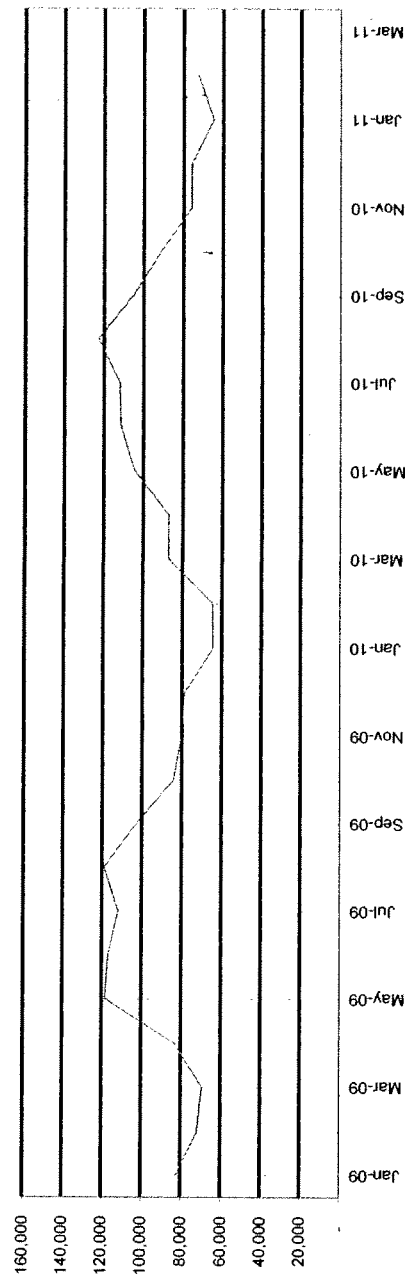


Month	Electric Cost	Kilowatts Used
Jan-09	3068	82,567
Feb-09	3090	71,761
Mar-09	3040	69,590
Apr-09	3502	83,325
May-09	7699	118,303
Jun-09	7873	116,962
Jul-09	7400	111,912
Aug-09	7651	119,019
Sep-09	4089	102,892
Oct-09	3582	84,384
Nov-09	3399	80,485
Dec-09	3061	78,719
Jan-10	2747	64,648
Feb-10	2771	64,964
Mar-10	3640	87,123
Apr-10	3679	87,091
May-10	7182	104,323
Jun-10	7977	111,383
Jul-10	8613	112,010
Aug-10	8770	122,995
Sep-10	5151	105,347
Oct-10	4454	91,462
Nov-10	3815	76,006
Dec-10	3880	76,007
Jan-11	3547	65,206
Feb-11	3757	72,752

Electric Cost



Kilowatts Used





**MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY**

Discharge Monitoring Report For Municipal Wastewater Treatment Plants

NAME OF FACILITY					LOCATION ADDRESS & CITY								COUNTY/REGION	
Lake of the Ozarks Regional WWTP #1					#3 Anderson Road								Miller/SWRO	
MONTH/YEAR		PERMIT NUMBER			OUTFALL NUMBER		TYPE TREATMENT FACILITY							
Mar-11		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			9.9	1.490	7.6				6.9		10.1		
2	7.4			10.3	1.133	7.6				7.5		9.8		
3	7.3			10.2	1.063	7.7			0.06	7.6		9.5		
4	7.4	315	268	11.8	1.109	7.7	3.4	3.2		7.3		11.6	98.9	98.8
5	7.3			11.1	1.230	7.6				6.2		10.8		
6	7.3			11.1	1.350	7.7				6.4		9.8		
7	7.7			9.6	1.169	7.7				6.9		8.8		
8	7.4			11.6	1.052	7.7				7.0		10.1		
9	7.4			9.8	1.800	7.7				5.9		9.1		
10	7.3			8.8	1.394	7.8			0.1	7.4		8.4		
11	7.2	170	122	9.7	1.232	7.7	2.5	1.6		7.9		8.4	98.5	98.7
12	7.4			9.8	1.314	7.7				7.0		9.5		
13	7.2			10	1.369	7.7				6.3		8.6		
14	7.4			11.4	1.721	7.6				5.4		10.1		
15	7.4			10.4	2.662	7.6				5.5		10.3		
16	7.4			10.8	1.889	7.6				6.7		10.1		
17	7.4			12.1	1.012	7.6			0.06	5.5		12.3		
18	7.4	215	146	13.1	1.063	7.7	1.6	2.6		5.5		13.5	99.2	98.2
19	7.5			12.7	0.840	7.7				5.8		13		
20	7.4			12.8	2.029	7.7				5.3		12.5		
21	7.4			13.8	1.423	7.8				5.4		14.3		
22	7.3			14.8	1.200	7.8				4.9		15.5		
23	7.4			12.8	1.118	7.8				5.6		14.3		
24	7.4			13	1.152	7.8			0.02	5.7		13.8		
25	7.4	280	212	12.6	1.250	7.8	2.3	1		6.5		12	99.2	99.5
26	7.4			11.5	1.306	7.8				6.9		11.5		
27	7.4			13.3	1.848	7.7				6.9		11.2		
28	7.4			12.1	1.439	7.7				7.2		10.1		
29	7.4			12	1.268	7.8				6.1		10.9		
30	7.3			10.8	1.207	7.8				8.1		9.2		
31	7.2			12.2	1.244	7.8			0.06	7.8		9.6		
Total					42.376									
Avg		245	187	11	1.367		2.5	2.1	0.1	6.5	0.0	10.9	99.0	98.8
Min	7.2	170	122	9	0.840	7.6	1.6	1.0	0.0	4.9	0.0	8.4	98.5	98.2
Max	7.7	315	268	15	2.662	7.8	3.4	3.2	0.1	8.1	0.0	15.5	99.2	99.5

MONTHLY EFFLUENT MONITORING		QUARTERLY EFFLUENT MONITORING	
DATE	Oil & Grease mg/L	Selenium µg/L	Zinc µg/L
1			
2			
3			
4			
5			
6			
7	8.0	< 0.010	0.025
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
Total			
Avg	8.0	< 0.010	0.025
Min	8.0	< 0.010	0.025
Max	8.0	< 0.010	0.025

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

DATE	SLUDGE DISP. LBS. DRY WEIGHT	#1 Aeration Basin, O-Ditch, Etc.				#2 Aeration Basin, O-Ditch, Etc.				#Weather Conditions		
		MIXED LIQUOR				MIXED LIQUOR				Outside	#RAIN	Time
		* DO	** MLSS	*Settleability		* DO	** MLSS	*Settleability		* Ambient		
		mg/l	mg/l	*30 min ml	Temp ° C	mg/l	mg/l	*30 min ml	Temp ° C	Temp ° F		
1		4.7	3,580	290	9.4	4.8	3,800	360	9.7	29		7:30
2		4.9	3,470	270	9.7	5.7	3,830	350	9.8	36		7:30
3		4.2	3,980	270	10.1	3.7	3,420	350	10.2	37		7:30
4		4.0	3,480	250	11.6	3.8	4,100	360	11.5	49		7:30
5		3.4	2,310	330	10.6	3.7	3,560	380	10.8	34	0.4	7:30
6		4.6	3,580	290	9.9	4.2	3,400	300	9.6	34		7:30
7	5,709	3.6	3,330	260	9.3	4.2	4,040	380	9	40		7:30
8		4.3	3,300	260	10.5	3.9	4,080	370	10.5	44		7:30
9	5,400	3.9	3,680	300	9.6	2.6	3,700	300	10	41	1.25	7:30
10	6,850	4.3	3,440	270	8.5	5	4,140	400	8.9	36		7:30
11	5,554	5.3	3,460	280	9	4.6	4,460	400	9.2	31		7:30
12	6,850	2.9	3,360	290	10	3.5	3,890	360	10.2	41		7:30
13	6,665	3.7	3,710	300	9	3.6	3,850	370	9.4	35		7:30
14		1.1	3,910	350	10	1.2	3,470	330	10.2	36	1	7:30
15		3.2	4,020	400	9.7	3.7	3,470	320	10.3	35	0.3	7:30
16		3.9	3,920	420	10.1	4.2	3,400	320	10.1	37		7:30
17		2.1	3,950	360	12.3	2.9	3,440	320	12.2	53		7:30
18		1.1	3,640	320	13.9	1	4,160	390	13.8	58		7:30
19		3.3	2,930	270	12.9	1.5	4,240	480	13.2	47		7:30
20		1.4	3,780	370	12.2	1.1	4,020	420	12.3	50	0.8	7:30
21		1.3	3,310	270	14.7	1	4,710	520	14.4	62		7:30
22		0.8	4,600	430	16	0.9	3,600	330	15.4	64		7:30
23		0.8	3,940	350	14.7	0.8	3,960	400	14.5	56		7:30
24		2.6	3,940	400	13	3.1	3,770	400	13.4	39		7:30
25		3.1	3,870	400	11.4	4.3	3,940	450	11.7	38		7:30
26		4.1	3,670	350	11.6	4.3	4,050	470	11.7	40		7:30
27		3.6	4,373	520	11.1	5.4	3,490	380	11.2	35	0.5	7:30
28		3.6	4,460	490	10.6	5.1	3,490	390	9.7	36		7:30
29	6,017	4.2	4,520	480	11.2	5.8	4,150	430	10.7	45		7:30
30	6,017	4.1	4,080	440	9.6	5.3	4,130	480	9.7	39	0.4	7:30
31	7,406	4.3	4,100	450	10.1	2.7	3,940	480	10.1	42		7:30

COMMENTS:

TESTS PERFORMED BY (PRINT)	SIGNATURE	PHONE #	DATE
Frank Hendricks	<i>Frank Hendricks</i>	(573)365-0455	4/4/2011
REPORT APPROVED BY (PRINT)	SIGNATURE	PHONE #	DATE
Gary Hutchcraft	<i>Gary Hutchcraft</i>	(573)365-0455	4/4/2011

*Required Daily (Monday - Friday)

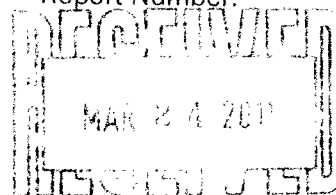
**Required 1/week

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: 112228



Report of Analysis

Reference:

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

Log Number:
1303113

Sample Description:
Quarterly Sludge

Sample Date:
2/16/2011

Coli S

Test Description	Result	Units	Method	Comment Code
Fecal Coliform in Sludge	14,100	CFU/g	SM-9222 D-97	
Total Solids Average	3.00	% w/w	SM-2540 B-97	

Nutrients

Test Description	Result	Units	Method	Comment Code
Phosphorus	31900	mg/Kg	SM-20 4500-P E-99	

PAN Group

Test Description	Result	Units	Method	Comment Code
Ammonia as Nitrogen	17,400	mg/Kg	Lachat-10-107-06-1-K	
Kjeldahl Nitrogen	90,200	mg/Kg	Lachat-10-107-06-2-K	
Nitrate as Nitrogen	< 95	mg/Kg	EPA-300.0 Rev. 2	
Nitrite as Nitrogen	< 95	mg/Kg	EPA-300.0 Rev. 2	
Organic Nitrogen	72,800	mg/Kg	Lachat-10-107-06-2-K	
PAN - Subsurface Application	31960	ppm	Calculation	
PAN - Surface Application	26740	ppm	Calculation	

Preparation Methods

Test Description	Result	Units	Method	Comment Code
Anions IC Sample Preparation	1	Prep	SM-4110B-00	
Metals ICP Sample Digestion	1	Prep	EPA-200.7 Rev. 4.4	PDC
Total Metals Flame-AA Digestion	1	mg/Kg	EPA-200.2	

Friday, March 18, 2011

Page 1 of 2

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: 112228

Report of Analysis

Log Number: 1303113
Sample Description: Quarterly Sludge

Sample Date:
2/16/2011

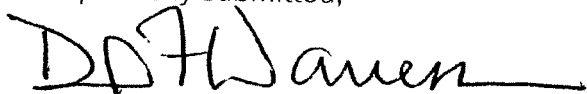
Solids

Test Description	Result	Units	Method	Comment Code
Total Solids	2.11	% w/w	SM-2540 B-97	

Total (Total Recoverable) Trace Metals

Test Description	Result	Units	Method	Comment Code
Arsenic by ICP	< 3.0	mg/Kg	EPA-200.7 Rev. 4.4	PDC
Cadmium	1.0	mg/Kg	SM-3111 B-99	
Chromium	23.1	mg/Kg	SM-3111 B-99	
Copper	389	mg/Kg	SM-3111 B-99	
Lead	23.9	mg/Kg	SM-3111 B-99	
Mercury by Color Vapor Technique	0.25	mg/Kg	SM-3112 B-99	
Molybdenum by ICP	6.5	mg/Kg	EPA-200.7 Rev. 4.4	PDC
Nickel	8.0	mg/Kg	SM-3111 B-99	
Potassium	3050	mg/Kg	SM-3111 B-99	
Selenium by ICP	< 2.0	mg/Kg	EPA-200.7 Rev. 4.4	PDC
Zinc	1060	mg/Kg	SM-3111 B-99	

Respectfully submitted,



David F. Warren

Comments:

PDC

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

4000 East Jackson Blvd. * Jackson, MO 63755

Telephone (573) 204-8817 * Fax (573) 204-8818

ALLIANCE-LAKE OZARK

Client:

CHAIN OF CUSTODY RECORD

INDUSTRY TRENDS

Address: #3 ANDERSON RD. / P.O. Box 1985

City/State/Zip: LAKE OZARK MO 65049

PO Number: N/A ☐ Rush Requested (Due Date: ~~8/1~~)

Sampler's Signature:

Date: 2/16/11 Time: 8:50 ☐ See Table ☒ See Table

Additional Comments:

[illegible]

FECAL COLIFORM IN SLUDGE

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

Log #

1303113

Date:

2/17/2011

Analyst: SCS 133

Total Solid calculation

Sample	Sample Size	Tare Weight	Tare Wt. + Res.	Residue Wt.	Final Result
Replicate	(grams)	(grams)	(grams)	(grams)	(%w/w)
A	15.1938	1.0206	1.4773	0.4567	3.01
B	14.1097	1.0178	1.4394	0.4216	2.99
C	14.6840	0.9909	1.4291	0.4382	2.98
D	10.1030	0.9924	1.2926	0.3002	2.97
E	17.3402	1.0258	1.5493	0.5235	3.02
F	11.2761	1.0221	1.3636	0.3415	3.03
G	13.6138	0.9793	1.3899	0.4106	3.02
				Average Total Solid	3.00

Colony Counts

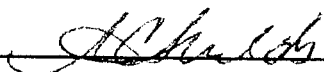
Date:

2/17/2011

Analyst: SCS 133

Sample	Wt. Of Sample	Sample Size	Colony Count	Final Count
Replicate	(grams)	(mls - 0.1, 1.0, 10)	used	#/gram (dry)
A	0.2272	1	<1	<14620
B	0.4105	1	2	16,300
C	0.4020	1	4	33,400
D	0.4067	1	3	24,800
E	0.3923	1	<1	<8440
F	0.4172	1	4	31,600
G	0.3894	1	1	8,500
Geometric Average				14,100

Approved by:



Environmental Analysis South, Inc.
Clarification Coagulant Sludges
Sludge Analysis

3/18/2011

Submitted by: Alliance Lake Ozarks					
Log Number: 1303113					
pH					
Coliform					
Parameter	Wet %	Wet ppm	Dry %	Dry ppm	lbs/Dry Tons
Moisture			97.89		
Solids			2.11		
Volatile Solids					
Ash					
Nitrogen (TKN)	0.190%	1903.220	9.020%	90200.000	180.400
Nitrate N	0.000%	0.000	0.000%	ND	0.000
Nitrite N	0.000%	0.000	0.000%	ND	0.000
Ammonia N	0.037%	367.140	1.740%	17400.000	34.800
Organic N	0.154%	1536.080	7.280%	72800.000	145.600
PAN Surface Application	0.056%	564.214	2.674%	26740.000	53.480
PAN Subsurface Application	0.067%	674.356	3.196%	31960.000	63.920
Potassium (as K)	0.006%	64.355	0.305%	3050.000	6.100
Phosphorus (as P)	0.067%	673.090	3.190%	31900.000	63.800
Arsenic (as As)	ND	ND	ND	ND	ND
Cadmium (as Cd)	0.000%	0.021	0.000%	1.000	0.002
Chromium (as Cr)	0.000%	0.487	0.002%	23.100	0.046
Copper (as Cu)	0.001%	8.208	0.039%	389.000	0.778
Molybdenum (as Mo)	0.000%	0.137	0.001%	6.500	0.013
Nickel (as Ni)	0.000%	0.169	0.001%	8.000	0.016
Lead (as Pb)	0.000%	0.504	0.002%	23.900	0.048
Selenium (as Se)	ND	ND	ND	ND	ND
Zinc (as Zn)	0.002%	22.366	0.106%	1060.000	2.120
Mercury (as Hg)	0.000%	0.005	0.000%	0.250	0.001
code ND = none detected					
code NT = not tested					

The Joint Sewer Board of the Cities Of Lake Ozark and Osage Beach New Service Area Connections Policy¹

Adopted/Latest Revision April 19, 2011

Inquiries about new connections, through the City of Lake Ozark please call the City Administrator for the City of Lake Ozark at 573-365-5378.

Inquiries about new connections, through the City of Osage Beach please call the City Administrator for the City of Osage Beach at 573-302-2000

Welcome to the Lake of the Ozarks!

The Joint Sewer Board of the cities of Lake Ozark and Osage Beach encourages environmentally responsible new development in the lake region and takes seriously its obligation to operate the plant in a responsible and professional manner and to balance that obligation with its desire to see the lake region as a whole, continue to develop and prosper. We have adopted this Policy as a guide for new developers outside either city, who seek to connect to the plant either through a city or directly. We encourage developers to call us directly at the beginning of the process so we can move forward in a cooperative and mutually beneficial manner.

Overview of the Process

1. A simultaneous application is submitted by the applicant to the City through which connection is proposed, and to the Joint Sewer Board.
2. Staff will review the Application and determine whether the Application is complete and whether the proposed project is eligible under the policy.
3. Staff confirms to the Joint Sewer Board that the application meets the requirement of this policy and any individual requirements of the individual city through which the new connection is proposed.
4. The individual city through which the new connection is made approves the agreement by ordinance.

¹ Important Notice and Disclaimer This policy is adopted by The Joint Sewer Board of the Cities of Lake Ozark and Osage Beach to assist developers in the consideration of whether a prospective project outside the boundaries of either city is eligible for connection to the Joint Sewer Board's Waste Water Treatment Plant. The Joint Sewer Board reserves the right to reject any project or to waive any non-conformance to these policies.

5. The Joint Sewer Board considers approval of the proposed agreement.

JOINT SEWER BOARD CORE VALUES

These are the core values of the Joint Sewer Board in the operation of the plant and consideration of the addition of new users to the system.

1. Protect the plant infrastructure
2. Preserve adequate cash flow to operate and maintain the plant
3. Protect and serve the existing customers efficiently
4. Service future development within each city
5. Contribute to lake water quality efforts by safely and completely treating all acceptable effluent in the Lake of the Ozarks region.

Application Overview

1. APPLICATION:

Submission. Not less than five (5) copies of the completed Application should be submitted to the City Administrator.

Preliminary Determination of Completeness. The Application is reviewed by City staff to determine if it is complete. If the Application is determined to be incomplete by City staff or if additional information is needed the applicant will be notified that the Application is not complete, and asked to supply such additional information as may be required, for engineering, financial, legal or planning and development concerns.

2. STAFF REVIEW:

The City's departments of Engineering, Public Works, Finance, Law, Planning and Administration will conduct a review of the Application and, when deemed appropriate, seek a review by other professionals as the city may require.

Prior to making a recommendation to the Joint Sewer Board, the City staff may require an independent feasibility study by an expert of the City's choosing. The Applicant shall pay the cost of such study.

Applications which are determined to be incomplete or do not conform to this policy or the City's policy will not be considered by the Joint Sewer Board. Applicants are responsible for monitoring the status of their applications.

3. BOARD OF ALDERMEN:

The Board of Aldermen for each City may, in its discretion, convene a study session on the Application or hold a public hearing before consideration of an ordinance approving the connection requested in the application. The recommendation of the Joint Sewer Board may be considered, or amended by the Board of Aldermen.

4. **JOINT SEWER TREATMENT PLANT BOARD CONSIDERATION:**

The Joint Sewer Board may have a study session on the Application and may make a recommendation to the City concerning the application. After the city adopts an ordinance approving a connection, the Joint Sewer Board may consider, approve, deny or recommend amendments to the connection agreement.

**POLICY FOR CONNECTION OF NEW SERVICE AREAS TO
THE LAKE OZARK / OSAGE BEACH
JOINT SEWER TREATMENT PLANT**

1. **FEE FOR CONNECTION TO THE PLANT**

The fee for connection to the plant shall be a one-time, capacity charge based on the anticipated volume of wastewater flows from the applicant's development.

The charge rate will be based on the current estimated capacity replacement price expressed in \$/gallon/day of installed treatment plant cost. This fee will be established by the Joint Board at the time of application and will be based on engineering estimates for replacement capacity at the time of approval of the connection agreement. All connection fees shall be paid directly to the Joint Board when the connection agreement is executed.

2. **CONNECTIONS THAT CONNECT DIRECTLY TO THE SEWER PLANT**

For a dedicated sewer line that reaches the plant directly without connection through the sewerage infrastructure of either city, applicant shall pay monthly fee to the Joint Sewer Board, in addition to No. 1 above, which shall be 1.15 times the outside the city rate for monthly sewage service of the city nearest the development.

3. **LIMITATIONS ON NEW DEVELOPMENT / BUILD OUT SCHEDULE**

The applicant shall adhere to the limitations in the connection agreement that may restrict or limit new development and construction in the applicant's service area and shall not issue any permits to connect in excess of those listed in the

agreement without the express consent of the Joint Sewer Board and the City through which the sewage flows. Any expansion of development beyond the original agreement will result in a purchase of new capacity as may be decided by the Joint board at the time of the expansion.

4. **LIMITATIONS OF QUANTITY AND QUALITY OF FLOW**

The applicant shall adhere to the limitations and permissions concerning the quantity and quality of the flow sent to the Joint Sewer Treatment Plant as set out in the connection agreement. Applicant shall not issue any permits to connect in excess of those listed in the agreement without the express written consent of the Joint Sewer Board and the City affected. The design and construction of applicant's system shall provide all necessary facilities for equalization of the flow of sewage to level the demand on the capacity of the Joint Sewer Treatment Plant and ensure that the impact of the applicant's system will not exceed the agreed upon flow at any time. This may include holding tanks, equalization basins or other infrastructure built into the applicant's system, necessary to minimize flow from the applicant's system during periods of high demand on the capacity of the plant. The control of this infrastructure, which is part of the applicant's system, must be accessible by the attached city and the Joint Sewer Board or its agents as necessary to assess and confirm the equalization of the flow of sewage.

5. **APPROVAL OF DESIGN**

The applicant shall adhere to the limitations and permissions for approval of design of applicant's system as set out in the connection agreement

6. **REMEDIES**

For violation of the agreement which damages the physical plant or creates an "Abnormal Condition"² as detailed in the connection agreement, or influent that exceeds the allowable quantity of flow or quality of influent with regards to BOD,

² "Abnormal Condition" means (a) the presence in the influent of substances which cannot be removed or treated by the WWTP, including but not limited to those relating to an interference or pass-through, (b) influent which violates applicable laws, (c) a flow or loading of influent which is beyond the WWTP's capacity.

TSS, grease and oil, and/or “Biologically Toxic Substances³” or hazardous wastes, etc. the remedies available to the Joint Board will include any or all of the following:

- i. Physical shutoff of the flow,
- ii. Requirement of applicant to cure problem,
- iii. Financial penalties of 1.25 times cost to Joint Sewer Board to remedy the matter.

7. **PLANT OWNERSHIP**

Nothing in any agreement may be in any way construed as an ownership interest by applicant or any other entity or any user acting on behalf of applicant or claiming any interest by virtue of connection to or use of applicant’s system. Further, any new service area agreement with any applicant may not in any way diminish or abrogate the ownership interests of the Cities of Lake Ozark and Osage Beach. All applicants begin, continue and remain as arms-length customers of the Joint Sewer Board for the life of the connection.

8. **INDEMNIFICATION AND HOLD HARMLESS**

Applicant, shall at all times beginning with the opening of the connection between the applicant’s system and either City sewage system or the Joint Sewer Treatment Plant directly, maintain adequate insurance against any loss (including but not limited to any economic or non-economic and environmental damage) caused by the applicant’s system or users to the property of either city or the Joint Sewer Treatment Plant. The Applicant shall indemnify and hold harmless the Joint Sewer Board and the Cities of Lake Ozark and Osage Beach from any and all harm caused by the applicant or its operations, both immediate and consequential damages, both upstream from the plant and downstream. This obligation shall last for the life of the connection, the cities and the Joint Sewer

³ “Biologically Toxic Substances” means any substance or combination of substances contained in the influent in sufficiently high concentrations so as to interfere with the biological processes necessary for the removal of the organic and chemical constituents of the wastewater required to meet the discharge required by the NPDES permit. Biologically Toxic Substances include but are not limited to heavy metals, phenols, cyanides, pesticides, and herbicides.

Board shall be listed as an additional insured on the
general/environmental/liability insurance policy or policies of the applicant.

The Joint Sewer Board of the Cities Of Lake Ozark and Osage Beach

APPLICATION FOR CONNECTION FOR SERVICE

PROJECT NAME:

APPLICANT:

ADDRESS:

PHONE:

FAX:

EMAIL:

CONTACT PERSON:

Application Format: On a separate sheet of paper please answer the following questions. Please type each question prior to the applicable response.

- (1) In no more than three pages provide relevant information on the applicant's background and development experience and financial ability to successfully complete the project. Include resumes of key individuals assigned to the project.
- (2) Identify the applicant's consultants involved or proposed to be involved in the project noting relevant experience on similar projects (i.e., civil engineer, land use planner, applicant's legal counsel, applicant's financial advisor).
- (3) Describe the proposed project, including the size and scope and phasing of the proposed project. Specifically outline residential development, if any, to be included in the project.
- (4) Define the boundaries of the proposed service area by address and locator number(s). Include a map of the proposed service area.
- (5) Identify the property which is currently in the control of the applicant via ownership or option. If the property is under an option contract please note the option expiration date.
- (6) Is the proposed development consistent with all applicable infrastructure, development, or comprehensive plans?
- (7) State the need and justification for this connection.
- (8) Identify sources, amounts, and status of all debt financing and/or equity funding available to complete the project. Does the applicant anticipate the debt will be privately financed by the construction lender or developer or publicly sold?

(9) Briefly describe the "environmental and quality of life" benefits of the proposed project to the Lake area.

(10) If the applicant's system is to be managed, administered or maintained by someone other than a direct employee of the applicant, please provide the name qualifications and direct operator's contact information for the individual/vendor responsible for the system.

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MISSOURI DEPARTMENT OF NATURAL RESOURCES

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Example	Yearly Savings	Simple Payback	Est. Title Savings
Install D.O. control system for activated sludge	\$55,000	3.6 years	25% savings
Modify raw water pump flow control from throttling to VFD.	\$25,900	4.3 years	30% savings

Power = \$.08/Kwh including demand charges. Based on \$12/Kw/Month demand charges.

**WATER AND WASTEWATER
ENERGY LOANS**



MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

For more information e-mail energyloan@dnr.mo.gov,
visit www.EnergizeMissouri.org or call 573-751-7466.

MISSOURI WATER AND WASTEWATER FACILITIES ARE ELIGIBLE FOR 3% LOANS ... Missouri water and wastewater facilities are eligible for 3% Loans for energy efficiency retrofits through the Missouri Department of Natural Resources, Division of Energy's Energize Missouri Water program. Program funds are provided through the Department of Energy, American Recovery and Reinvestment Act.

Applications will be received on a first come, first serve basis now through Friday, May 31, 2011

For more information e-mail energyloan@dnr.mo.gov, visit www.EnergizeMissouri.org or contact Bernard Thompson at 573-751-7466."

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