

**OSAGE BEACH/LAKE OZARK
JOINT SEWER BOARD MEETING
AGENDA
June 21, 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

Page Numbers

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4. REPORTS

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Check Registers & Bank Statements	21-24
May 2011 Alliance Report and Flow Report	25-43

5. OLD BUSINESS

6. NEW BUSINESS

A. Magruder Permit Application

7. DISCUSSION

8. ADJOURNMENT

THE NEXT MEETING WILL BE JULY 19, 2011 @ 5:15 PM @ LAKE OZARK CITY HALL

LAKE OZARK - OSAGE BEACH
Joint Sewer Board
MINUTES OF MEETING
May 17, 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 Franzekos, LO
Nancy Viselli, City Administrator, OB
Dave Van Dee, City Administrator, LO
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:

Others Present:

Gary Hutchcraft, Plant Manager
Julie Huttenlocker, Joint Sewer Clerk
Ed Rucker, Osage Beach City Attorney-Entered at 5:20pm
Mike Welty, Osage Beach Staff Accountant
Dale Wagner, Vice President, Finance Director of Administration

ADOPTION OF PREVIOUS MINUTES:

Mayor Penny Lyons asked for a motion to approve the My 17, 2011 Minutes. Mayor Johnnie Franzekos made a motion to approve the minutes; second by City Administrator Nancy Viselli. All present voted aye, motion carried.

BILLS:

Alderman Don Langley made a motion to approve the Bills List, second by City Administrator Dave Van Dee. All present voted aye, motion carried.

Some discussion occurred on page 13.

REPORTS:

REVENUE BUDGET ANALYSIS

Members reviewed. No Discussion occurred

EXPENDITURE BUDGET ANALYSIS

Members reviewed. Some discussion occurred on page 15 regarding the decrease in Electric Expenses for April.

INCOME & EXPENSE SUMMARY/ER FUND ANALYSIS

Members reviewed. No discussion occurred.

BALANCE SHEET

Members Reviewed. No discussion.
CHECK REGISTERS

Members reviewed. No discussion.

ALLIANCE REPORT & FLOW CHARTS:

Alliance Member Gary Anger introduced Mr. Dale Wagner, Vice President of Finance and Administration of Alliance and stated that he was here tonight to visit and observe the meeting.

The average daily incoming flow for April 2011 was 1.082 mgd. We had 4.8 inches of precipitation measured at the WWTP in April 2011.

Operationally, the plant's discharge was excellent, with an effluent monthly average BOD and TSS of 1.7 mg/l and 1.1 mg/l respectively for April 2011. This represented better than a 99.4% or better removal.

The MLSS combined average for both aeration basins was 3,835mg/l in April 2011. The total dry weight sludge inventory for April 2011 totaled 280,385 pounds. Plant Personal was able to land apply 45 loads of biosolids in April 2011.

Mayor Penny Lyons then asked for a motion to approve the Alliance Reports and Flow Reports. City Administrator Nancy Viselli made a motion, second by Mayor Johnnie Franzekos. All voted aye, motion carried.

OLD BUSINESS:

No Discussion Occurred.

NEW BUSINESS:

Alliance Member Gary Hutchcraft informed Members that the report from EDI was not finished and he would send it to Members when it was completed.

DISCUSSION:

No Discussion Occurred.

ADJOURNMENT

Osage Beach Mayor Penny Lyons adjourned meeting at 5:23 pm.

Next Meeting: June 21, 2011 at 5:15 P.M at Lake Ozark City Hall.

Penny Lyons, Mayor

Julie Huttenlocker, Joint Sewer Clerk

JOINT SEWER BOARD

BILL LIST

June 21, 2011

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:	\$ 51,883.23
OPERATING FUND BILLS TO BE PAID:	\$ 8,069.52
EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:	\$ -
EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:	\$ -
TOTAL	\$ 59,952.75

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:

Account	Check	Paid To:	Description:	Amount:
4185	3099	Ameren Missouri	Electric April 2011	\$ 5,092.23
4140	3100	Travelers	Insurance	\$ 17,127.00
4170	3101	Alliance Water Resources, Inc.	Management Fee	\$ 21,787.07
4185	3102	Ameren Missouri	Electric May 2011	\$ 7,876.93
TOTAL				\$ 51,883.23

OPERATING FUND BILLS TO BE PAID:

Account	Check	Paid To:	Description:	Amount:
4000	3103	Equipment Replacement Fund	Payment into ER Fund	\$ 3,467.17
4010	3104	Equipment Replacement Fund	New Basin -Loan Payment	\$ 2,330.12
4020	3105	Alliance Water Resources, Inc.	Repair/Main	\$ 230.62
4160	3106	Alliance Water Resources, Inc.	Waste Hauling Fees	\$ 2,030.00
4220	3107	Zerger & Mauer LLC	Magruder	\$ 11.61
				\$ 8,069.52

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: 4908

Invoice Date: 01-Jun-11

Customer No: 20220

Terms: 30 days

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



Please Return This Portion With Your Payment.

AMOUNT DUE	DUE DATE
\$8,952.28	May 20, 2011
AMOUNT PAYABLE AFTER Jun 1, 2011	ACCOUNT NUMBER
\$9,086.57	45800-05832

Amount
Enclosed \$



>00527 0068033 0001 092139
ALLIANCE WATER RESOURCES INC
ACCTS PAYABLE
206 S KEENE ST
COLUMBIA, MO 65201

00627 1 MB 0.390 MIX 530

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

30600000 0045800058302 000004997840 000008952280

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	May 10, 2011
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TOTAL AMOUNT DUE BY	May 20, 2011	\$8,952.28
DELINQUENT AFTER	Jun 1, 2011	\$9,086.57

TYPE OF READING	METER NUMBER	SERVICE FROM TO	NO. DAYS	METER READING PREVIOUS	METER READING PRESENT	READING DIFFERENCE	METER MULTIPLIER	THERM FACTOR	USAGE	R D
Total kWh	11673321	04/06-05/08	32	3981.0000	4609.0000	628.0000	160.0000		100480.0000	A
Peak kW	11673321	04/06-05/08	32	0.0000	1.0080	1.0080	160.0000		161.2800	A

Service To				SUMMARY				Service To			
Total kWh	05/08/2011		100480.0000	Peak kW	05/08/2011		161.3000				
Total Billing Demand	05/08/2011		161.3000	October Winter Base kW	05/08/2011		177.6000				
Winter Base Demand	05/08/2011		161.3000	Base kWh Ratio	05/08/2011		1.0000				
Base kWh (HUD)	05/08/2011		100480.0000	Seasonal kWh (HUD)	05/08/2011		0.0000				

METERED ELECTRIC SERVICE BILLING

Rate 3M Large General Service				Service From 04/08/2011 To 05/08/2011			
Seasonal Energy Charge	0.00	kWh	@	\$0.03260000		\$0.00	
Demand Charge	161.30	kW	@	\$1.54000000		\$248.40	
Base Energy Chg / Hours Used	24,195.00	kWh	@	\$0.05600000		\$1,354.92	
Base Energy Chg / Hours Used	32,260.00	kWh	@	\$0.04150000		\$1,338.79	
Base Energy Chg / Hours Used	44,025.00	kWh	@	\$0.03260000		\$1,435.22	
Customer Charge						\$79.89	
Rider FAC Adjustment	100,480.00	kWh	@	\$0.00479000		\$481.30	
Total Service Amount						\$4,938.52	

MISCELLANEOUS CHARGES

Electric Late Payment Charge

\$59.32

Current Amount Due	\$4,997.84
Prior Amount Due	\$3,954.44
Total Amount Due	\$8,952.28

This bill includes a previous balance. If this amount has been paid, please accept our thanks and pay only the current charge.

Seasonal Rate Change -Your electric usage for the next four months will be billed at the summer rate which reflects the higher cost of generating electric power in the summer. Look for ways to control your summer bills by visiting AmerenMissouri.com for tips on using energy efficiently.

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

MAY 16 2011



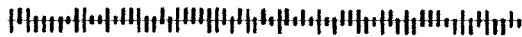


Please Return This Portion With Your Payment.

AMOUNT DUE	DUE DATE
\$449.41	May 23, 2011
AMOUNT PAYABLE AFTER Jun 2, 2011	ACCOUNT NUMBER
\$456.16	55800-05920

Amount

Enclosed \$



>00579 0068136 0001 092139
ALLIANCE WATER RESOURCES INC
ACCTS PAYABLE
206 S KEENE ST
COLUMBIA, MO 65201

00579 1 MB 0.390 MIX 630



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

20600000 0055800059200 000000094390 000000449410

Keep This Portion For Your Records

ACCOUNT NUMBER	55800-05920
NAME	ALLIANCE WATER RESOURCES INC
SERVICE	3 ANDERSON RD
AT	LAKE OZARK, MO 65049

BILL DATE	May 11, 2011
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TOTAL AMOUNT DUE BY	May 23, 2011	\$449.41
DELINQUENT AFTER	Jun 2, 2011	\$456.16

TYPE OF READING	METER NUMBER	SERVICE FROM TO DAYS	NO.	METER READING PREVIOUS	METER READING PRESENT	READING DIFFERENCE	METER MULTIPLIER	THERM FACTOR	USAGE	R D
Total kWh	56982621	04/06-05/08	32	27268.0000	28228.0000	960.0000	1.0000		960.0000	A
Peak kW	56982621	04/06-05/08	32	0.0000	10.4830	10.4830	1.0000		10.4830	A

Service To				SUMMARY				Service To			
Total kWh	05/08/2011	960.0000		Winter Base kWh	05/08/2011	1000.0000					
Current Base kWh	05/08/2011	960.0000		Seasonal kWh	05/08/2011	0.0000					

METERED ELECTRIC SERVICE BILLING

Rate 2M Sm Gen Svc - 3 Ph w/Dmd
Threshold - Peak Demand
Service From 04/06/2011 To 05/08/2011

Base Energy Charge	960.00 kWh @ \$0.06860000	\$65.86
Seasonal Energy Charge	0.00 kWh @ \$0.03960000	\$0.00
Customer Charge		\$18.61
Rider FAC Adjustment	960.00 kWh @ \$0.00479000	\$4.59
Total Service Amount		\$89.06

MISCELLANEOUS CHARGES

Electric Late Payment Charge

\$5.33

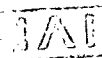
Current Amount Due	\$94.39
Prior Amount Due	\$355.02
Total Amount Due	\$449.41

This bill includes a previous balance. If this amount has been paid, please accept our thanks and pay only the current charge.

Seasonal Rate Change - Your electric usage for the next four months will be billed at the summer rate which reflects the higher cost of generating electric power in the summer. Look for ways to control your summer bills by visiting AmerenMissouri.com for tips on using energy efficiently.

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

MAY 17 2011



TRAVELERS
MCGRATH INS GROUP INC
PO BOX 1260
CAMDENTON MO 65020

06493 -L2

Page 1 of 2

Account Bill

Account No. 2344J5093

Date of This Bill 05/23/11

CP 01 6640 66640LKQ 11141 06493 P1

LAKE OZARK-OSAGE BEACH JOINT SEWER
1000 CITY PARKWAY
OSAGE BEACH MO 65065

TOTAL BALANCE
\$17,127.00
MINIMUM DUE
\$17,127.00

PAYMENT MUST BE RECEIVED BY:
JUNE 10, 2011

ACCOUNT BILLING SUMMARY

<u>POLICY</u>	<u>TYPE</u>	<u>POLICY PERIOD</u>	<u>MIN. DUE</u>	<u>BALANCE</u>
GP09314854	Commercial Insurance	04/10/11 To 04/10/12		
3030P462 810	Automobile	04/10/11 To 04/10/12	\$3,428.00	\$3,428.00
6974P061 660	Commercial Package	04/10/11 To 04/10/12	3,805.00	3,805.00
TOTAL BALANCE			<u>9,894.00</u>	<u>9,894.00</u>
			\$17,127.00	\$17,127.00

TRANSACTIONS SINCE LAST STATEMENT

Total Transactions (See Transaction Detail Section)	<u>+17,127.00</u>
TOTAL BALANCE	\$17,127.00

CONTINUED ON NEXT PAGE

Please detach the payment coupon and mail with your payment in the enclosed envelope to:
TRAVELERS CL REMITTANCE CENTER, PO BOX 660317, DALLAS, TX 75266-0317.

Date of This Bill: 05/23/11

TRANSACTION DETAIL

POLICY NUMBER GP09314854 04/10/11 Renewal	Commercial Insurance	3,428.00
POLICY NUMBER 3030P462 810 04/10/11 Renewal	Automobile	3,805.00
POLICY NUMBER 6974P061 660 04/10/11 Renewal	Commercial Package	9,894.00
TOTAL TRANSACTIONS		\$17,127.00

SPECIAL MESSAGES

Hassle Free Payments - Call 877-307-4202 to make a quick and simple payment.
For all other customer service inquiries (other than making a payment)
please call 800-252-2268.

Make payments on-line! With our on-line payment options you can make single payments or
you can schedule Automatic Recurring Payments. It's fast and easy, enroll today!
To learn more visit our website - www.travelersepay.com.



Please Return This Portion With Your Payment.

AMOUNT DUE	DUE DATE
\$7,814.02	Jun 21, 2011
AMOUNT PAYABLE AFTER Jun 30, 2011	ACCOUNT NUMBER
\$7,931.23	45800-05832

Amount Enclosed \$ _____



>00531 0071354 0001 092139
ALLIANCE WATER RESOURCES INC
ACCTS PAYABLE
206 S KEENE ST
COLUMBIA, MO 65201

00531 1 MB 0.390 MIX 630



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

60600000 0045800058302 000007814020 000007814020

Keep This Portion For Your Records

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

BILL DATE	Jun 9, 2011
-----------	-------------

TOTAL AMOUNT DUE BY	Jun 21, 2011	\$7,814.02
DELINQUENT AFTER	Jun 30, 2011	\$7,931.23

Payment Received on May 16, 2011 \$4,013.76
Payment Received on May 23, 2011 \$4,997.84

TYPE OF READING	METER NUMBER	SERVICE FROM TO	NO. DAYS	METER READING PREVIOUS	METER READING PRESENT	READING DIFFERENCE	METER MULTIPLIER	THERM FACTOR	USAGE	R D
Total kWh	11673321	05/08-06/07	30	4609.0000	5252.0000	643.0000	160.0000		102880.0000	A
Peak kW	11673321	05/08-06/07	30	0.0000	1.1300	1.1300	160.0000		180.8000	A

Service To			SUMMARY			Service To		
Total kWh	06/07/2011	102880.0000	Peak kW	06/07/2011	180.8000			
Billing Demand	06/07/2011	180.8000	Total Billing Demand	06/07/2011	180.8000			

METERED ELECTRIC SERVICE BILLING

Rate 3M Large General Service		Service From 05/08/2011 To 06/07/2011	
Demand Charge	180.80 kW @ \$4.15000000	\$750.32	
Energy Charge/Hours Used	27,120.00 kWh @ \$.08890000	\$2,410.97	
Energy Charge/Hours Used	36,160.00 kWh @ \$.06690000	\$2,419.10	
Energy Charge/Hours Used	39,600.00 kWh @ \$.04500000	\$1,782.00	
Customer Charge		\$79.89	
Rider FAC Adjustment	102,880.00 kWh @ \$.00419000	\$431.06	
Total Service Amount		\$7,873.34	

MISCELLANEOUS CHARGES

Credit	CR	\$59.32	
	Current Amount Due	\$7,814.02	
	Prior Amount Due	\$0.00	
	Total Amount Due	\$7,814.02	

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

GL Acct#: _____

Signature: _____

Date: _____

JUN 1 2011





Please Return This Portion With Your Payment.

☐ Pure Power

AMOUNT DUE	DUE DATE
\$62.91	Jun 21, 2011
AMOUNT PAYABLE AFTER Jun 30, 2011	ACCOUNT NUMBER
\$63.85	55800-05920

Amount Enclosed \$ _____

>00531 0071354 0001 092139
ALLIANCE WATER RESOURCES INC
ACCTS PAYABLE
206 S KEENE ST
COLUMBIA, MO 65201



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

10633000 0055800059200 000000062910 000000062910

Keep This Portion For Your Records

ACCOUNT NUMBER	55800-05920
NAME	ALLIANCE WATER RESOURCES INC
SERVICE AT	3 ANDERSON RD LAKE OZARK, MO 65049

DEL. DATE	Jun 9, 2011
-----------	-------------

TOTAL AMOUNT DUE BY	Jun 21, 2011	\$62.91
DELINQUENT AFTER	Jun 30, 2011	\$63.85

Payment Received on May 16, 2011 \$360.35
Payment Received on May 23, 2011 \$94.39

TYPE OF READING	METER NUMBER	SERVICE FROM TO	NO. DAYS	METER READING PREVIOUS	METER READING PRESENT	READING DIFFERENCE	METER MULTIPLIER	THERM FACTOR	USAGE	R D
Total kWh	56982621	05/08-06/07	30	28228.0000	28744.0000	516.0000	1.0000		516.0000	A
Peak kW	56982621	05/08-06/07	30	0.0000	55.1800	55.1800	1.0000		55.1800	A

Service To
Total kWh 06/07/2011 516.0000

METERED ELECTRIC SERVICE BILLING

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

Service From 05/08/2011 To 06/07/2011

Total Energy Charge	516.00 kWh @ \$.09200000	\$47.47
Customer Charge		\$18.61
Rider FAC Adjustment	516.00 kWh @ \$.00419000	\$2.16
Total Service Amount		\$68.24

MISCELLANEOUS CHARGES

Credit	CR	\$5.33
Current Amount Due		\$62.91
Prior Amount Due		\$0.00
Total Amount Due		\$62.91

Sign up for Pure Power to support clean renewable energy in Missouri and the Midwest. By checking the box, a 1.5 cents 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.

GL Acct#:

Signature:

Date:



Alliance Water Resources, Inc.

Professional Water and Wastewater Operations

206 South Keene Street

Columbia, Missouri 65201

(573) 874-8080 Fax (573) 443-0833

INVOICE

Invoice No: 4938

Invoice Date: 01-Jun-11

Customer No: 20220

Terms: 30 days

SOLD TO:

Lake Ozark/Osage Beach Joint Utility Board

c/o Karri Bell

City of Osage Beach

1000 City Parkway

Osage Beach, MO 65065

REFERENCE	DESCRIPTION	AMOUNT
	Evans Enterprises Inc. - 1 Invoice - 50%	\$79.38
	USA Bluebook - 1 Invoice - 50%	\$151.24
TOTAL DUE		\$230.62

EVANS ENTERPRISES INC -TULSA
2002 Southwest Blvd
Tulsa OK 74107
Phone: (918) 587-1566
Fax: (918) 582-8042

Invoice Date: 05/06/2011
Invoice #: 1086982
Order #: 66900

SOLD TO:
Alliance Water Resources
P.O. Box 1985
Lake Ozark MO 65049

Phone: (573) 365-0455

USA

SHIP TO:
Alliance Water Resources
#3 Anderson Rd.
Lake Ozark MO 65049

Fax: (573) 365-0455

USA

CUST #	SLS	JOB #	P.O. NUMBER	SHIP VIA	SHIP DATE	TERMS
30005	273		VERBAL GARY	OT	05/06/2011	Net 30

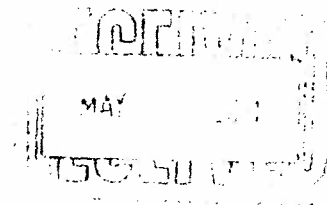
QUANTITY	PART NUMBER	DESCRIPTION	UNIT PRICE UM	TOTAL
1.00	NS Q1B230	30 Amp 2 Pole Breaker	140.00	140.00

MAIN
FLOW METER BREAKER

GL Acct#: 6705-20 87.04 1220-20 79.38

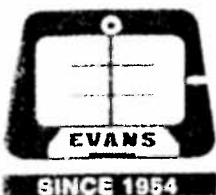
Signature: *Gary Antikoff*

Date: 5/11/11



Relectric

Subtotal: 140.00
S & H: 18.75
Sales Tax: 7.67
Total: \$166.42



EVANS
ENTERPRISES, INC.

Sales & Service
Electric Motors Sales / Service / Repair
Hoist Systems / Wind Energy
Electronics / Control / Reman / Switch Gear



www.goevans.com

1-1/2% PER MONTH OR 18% PER ANNUM WILL BE CHARGED ON PAST DUE ACCOUNTS

USABlueBook

Get the Best Treatment™

Remit To:
P.O. Box 9004
Gurnee, IL 60031-9004
TEL: (847) 689-3000
FAX: (847) 689-3001
TOLL FREE: 1-800-493-9876
F.E.I.N.: 52-2418852

INVOICE

INVOICE NO	PAGE NO
390173	1 of 1
CUSTOMER NO	DATE
304523	05/03/11

View online at: <http://usabluebook.billtrust.com>
Web Enrollment Token: HFB QFB VSV

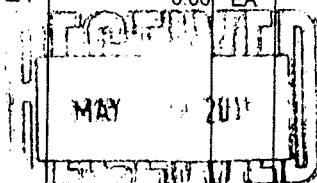
BILL TO: 304523
260 1 SP 0.440 F0260X I0280 D320786373 P788472 0001:0001

SHIP TO: 4

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

ALLIANCE WATER RESOURCES
*****DELIVER BY 4 PM*****
3 ANDERSON RD
LAKE OZARK MO 65049
USA

Attention: 0009 GARY HUTCHCRAFT

Attention: 0009 GARY HUTCHCRAFT									
VERBAL GARY	05/03/11	JLK	1%/10 NET 30	MO	967638	01	PREPAID	UPS	
ADF1	15% OFF ORDER OF \$150 OR MORE			1	1	0	EA	0.00	EA 0.00
74775	REACTIVATION MLR EXP 5-20-11								
	Premium #2 Grease			48	48	0	EA	5.19	EA 249.12
	14 Ounce Cartridge								
	MSDS VISIT WWW.USABBLUEBOOK.COM								
71077	Selector Switch 30mm			2	2	0	EA	27.95	EA 55.90
	3 Position NC-NO-NC								
CA	CR Released			1	1	0	EA	0.00	EA 0.00
GL Acct#: 6705-20 ⁺ 167.03 1220-20 ⁺ 151.24									
Signature: <u>Gary Hutchcraft</u>									
Date: <u>5/10/11</u>									
									
THANK YOU for your business									

THANK YOU for your business!
1.5% MONTHLY FINANCE CHARGE
ON AMOUNTS 30 DAYS PAST DUE
Discounts Apply to Merchandise Only

MERCHANDISE	MISCELLANEOUS	DISCOUNT	TAX	FREIGHT	TOTAL
305.02	0.00	45.75	15.82	43.18	318.27

Should it become necessary to refer your unpaid balance to a collection agency, a collection fee, not to exceed 25% of the balance referred; plus reasonable attorney's fees; and court costs when necessary, will be added to the balance due.

Please Detach and Return Bottom Portion to Insure Proper Credit to Your Account

USABlueBook

Get the Best Treatment™

****IMPORTANT****

Please include this customer #
on the face of your remittance check.

INVOICE NO.	CUSTOMER NO.	DATE	TOTAL
390173	304523	05/03/11	318.27

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

REMITTANCE ADDRESS

USABlueBook
P.O. Box 9004
Gurnee, IL 60031-9004

Alliance Water Resources, Inc.

Professional Water and Wastewater Operations

206 South Keene Street
Columbia, Missouri 65201

(573) 874-8080 Fax (573) 443-0833

INVOICE

Invoice No: 4905

Invoice Date: 31-May-11

Customer No: 20220

Terms: 30 days

SOLD TO:

Lake Ozark/Osage Beach Joint Utility Board
c/o Karri Bell

City of Osage Beach

1000 City Parkway

Osage Beach, MO 65065

REFERENCE	DESCRIPTION	AMOUNT
	Hauled waste payments for the month of May-11	
	31 Hauled Waste Loads @ \$50.00 each	\$1,550.00
	8 Hauled Waste Load @ \$60.00 each	\$480.00
TOTAL DUE		\$2,030.00

Zerger | Mauer_{LLP}

May 11, 2011

Ms. Nancy Viselli
City of Osage Beach
1000 City Parkway
Osage Beach, Missouri 65065

Re: Billing Statement

Dear Nancy:

Accompanying this letter is our statement for services rendered through April 30, 2011. This is the first billing from Zerger & Mauer LLP. We appreciate your support of our new firm. Please call if you have any questions or comments. Thank you for your time and attention.

Very truly yours,



Steven E. Mauer

SEM/cdt
Enclosure

ZERGER & MAUER LLP

1100 Main Street

Suite 2100

Kansas City, MO 64105 816/759-3300 Federal ID No. 27-5126971

STATEMENT**PRIVILEGED & CONFIDENTIAL**

City of Osage Beach

Account No. 1014.0002
RE: MagruderStatement Date: 05/10/2011
Statement No. 60
Page No. 1Expenses

04/12/2011	Postage	2.41
04/12/2011	Photocopy charges	9.20
	Total Expenses	11.61
	Total Current Work	11.61
	Balance Due	<u>\$11.61</u>

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

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

Account Number	Account Name	5/31/2011					Percent YTD
		2009 Actual	2010 Actual	2011 Budget	2011 Actual as of 5/31/2011	2011 May Revenue	
3020	Osage Beach	497,506.57	407,036.02	396,900.00	163,813.81	32,751.11	41%
3010	Lake Ozark	88,558.73	92,130.61	93,100.00	40,350.85	8,082.22	43%
3100	Interest	47.88	136.11	100.00	298.87	9.71	299%
3060	Waste Haulers' Fee	45,240.00	41,630.00	38,000.00	14,032.00	4,060.00	37%
3030	Misc Income Gen Grant	209.40	0.00	0.00	25.00	0.00	0%
Total Operating Fund		631,562.58	540,932.74	528,100.00	218,520.53	44,903.04	41%
E/R Fund Income		1,183.30	1,645.40	1,000.00	367.07	11.33	37%
TOTAL INCOME		632,745.88	542,578.14	529,100.00	218,887.60	44,914.37	41%

**MONTH-TO-DATE AND YEAR-TO-DATE
EXPENDITURE/BUDGET ANALYSIS
5/31/2011**

Account Number	Account Name	2009 Actual	2010 Actual	2011 Budget	2011 Actual as of 5/31/2011	2011 May Expenses	Percent YTD
4000	Equipment Replace Fund	41,606.04	41,606.04	42,000.00	17,335.85	3,467.17	41%
4010	ERF Repayment	27,961.44	27,961.44	27,961.44	11,650.60	2,330.12	42%
4020	**Maintenance & Repair	34,052.32	15,611.62	57,000.00	1,397.73	324.40	2%
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	571.21	0.00	19%
4160	Haulers Fees to Contractor	8,600.00	8,000.00	8,000.00	3,756.00	1,356.00	47%
4170	Contract Management	308,837.65	312,836.20	265,000.00	114,015.09	21,787.07	43%
4185	Electric	0.00	0.00	65,000.00	11,678.32	4,374.11	18%
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	4,117.29	373.11	14%
4240	*Capital Purchases	5,339.49	1,659.40	12,000.00	6,192.91	0.00	52%
	Totals	605,210.95	452,974.46	528,611.44	170,715.00	34,011.98	32%
	**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	172,238.00	34,011.98	32%
***Professional Services:							
	Engineering Consulting Fee/Backup Generator		5,000.00				8,000.00
	Normal/Magrunder Lawsuit		25,000.00	Paid 04/11	Pressure Washer/Steam Cleanse		4,000.00
			30,000.00	Paid 03/11	Unbudgeted Lab Equip. Purchase		12,000.00
							2,344.53
**Maintenance & Repair							
	UV Spare Parts						5,000.00
	Replace Wooden drs w/ Fiberglass						4,000.00
	Rock for Road						2,000.00
	Normal Maintenance						6,000.00
	#2 Aeration Basin Main.						40,000.00
							57,000.00

OPERATING FUND INCOME AND EXPENSE SUMMARY
5/31/2010

Beginning Balance	214,555.09
Income - Osage Beach	32,751.11
Income - Lake Ozark	8,082.22
Income - Other	0.00
Income - Waste Haulers' Fees	4,060.00
Interest - Checking	9.71
Income - CD Interest	0.00
Transfers From E/R Fund	0.00
Transfers to E/R fund	-5,797.29
Expenses	-33,306.92
Ending Fund Balance	220,353.92
NOW Account - Central Bank	120,104.60
CD First National Bank, 1.00%, 07/10/11 #000049	100,249.32
Outstanding Checks:	
Deposit in Transit:	0.00
	220,353.92

EQUIPMENT REPLACEMENT FUND INCOME AND EXPENSE SUMMARY
5/31/2010

Beginning Balance	196,415.92
Interest - Checking	11.33
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	202,224.54
NOW Account - First Bank	90,342.43
CD First National Bank, 1.00%, 07/10/11 #000048	111,882.11
Deposit in Transit	0.00
Outstanding Checks:	0.00
	202,224.54

**OPERATING FUND
BALANCE SHEET
5/31/2010**

		DEBITS	CREDITS	
ASSETS	CASH AND INVESTMENTS	214,555.09		
ACCOUNTS PAYABLE	DUE TO E.R. FUND - BASIN		66,759.90	
EQUITY	FUND BALANCE		147,795.19	
TOTAL OPERATING FUND		214,555.09	214,555.09	-

**EQUIPMENT REPLACEMENT FUND
BALANCE SHEET
5/31/2010**

		DEBITS	CREDITS	
ASSETS	CASH AND INVESTMENTS	196,415.92		
ACCOUNTS RECEIVABLE	DUE FROM OPERATING FUND - BASIN	66,759.90		
EQUITY	FUND BALANCE		263,175.82	
TOTAL EQUIPMENT REPLACEMENT FUND		263,175.82	263,175.82	-

Operating Fund

CHECK REGISTER - JOINT SEWER BOARD OPERATION FUND

	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
	Deposit	X		32,996.02
	Deposit	X		900.00
	Interest	X		7.61
	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
	Deposit	X		31,842.67
	Deposit	X		2,585.00
	Interest	X		9.17
	reconciled balance 3/31/11			103,930.57
3087	Alliance Water Resources, Inc.	X	21,787.07	82,143.50
3088	ER Fund Transfer	X	3,467.17	78,676.33
3089	ER Fund Loan Payment	X	2,330.12	76,346.21
3090	Alliance Water Resources, Inc.	X	4,394.66	71,951.55
3091	Alliance Water Resources, Inc.	X	1,200.00	70,751.55
	Deposit	X		8,292.96
	Deposit	X		32,540.38
	Deposit	X		2,712.00
	Interest	X		8.88
	reconciled balance 4/30/11			114,305.77
3092	Ameren Missouri	X	4,374.11	109,931.66
3093	Alliance Water Resources, Inc.	X	21,787.07	88,144.59
3094	ER Fund Transfer	X	3,467.17	84,677.42
3095	ER Fund Loan Payment	X	2,330.12	82,347.30
3096	Alliance Water Resources, Inc.	X	324.40	82,022.90
3097	Alliance Water Resources, Inc.	X	1,356.00	80,666.90
3097	Bryan Cave	X	373.11	80,293.79
3099	Ameren Missouri	X	5,092.23	75,201.56
	Deposit	X		32,751.11
	Deposit	X		8,082.22
	Deposit	X		4,060.00
	Interest	X		9.71
	reconciled balance 5/31/11			120,104.60



MEMBER FDIC

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

002009

Return Service Requested

EFFECTIVE JUNE 1, 2011: MANUAL TELEPHONE
TRANSFERS WILL BE \$2.00 PER TRANSFER.
ACCOUNT ACTIVITY PRINTOUTS \$2.00
RESEARCH/ACCOUNT BALANCING FEE IS \$30.00
PER HOUR.

Period 05/01/2011-05/31/2011 Page 1 of 2

Web Address
www.cbolobank.comLAKE OZARK OSAGE BEACH JOINT SEWER
TREATMENT PLANT BOARD
1000 CITY PKWY
OSAGE BEACH MO 65065-3058

M 000007297 M 8

Your Financial Summary on May 31, 2011

Account Balances & Other Assets

Checking	\$ 120,104.60
Total	\$ 120,104.60

Detailed Explanation of Account Balances and Other Assets

Basic Plus Interest Checking

No. 000007297 Beginning Balance April 29, 2011 \$ 114,305.77

Deposits

May 19 Deposit	4,060.00
May 20 Deposit	8,082.22
May 20 Deposit	32,751.11
May 31 Interest Earned	9.71

Total +\$ 44,903.04

Checks

Check No.	Date Paid	Amount	Check No.	Date Paid	Amount
3092	May 17	4,374.11	3096	May 24	324.40
3093	May 16	21,787.07	3097	May 24	1,356.00
3094	May 20	3,467.17	3098	May 23	373.11
3095	May 20	2,330.12	3099	May 24	5,092.23
Total			Total		-\$ 39,104.21

Ending Balance May 31, 2011 \$ 120,104.60

Number of days since last statement/interest cycle	31
Beginning and ending dates for calculation of statement/interest cycle are 05/01/2011 through 05/31/2011	
Average collected balance	114,298.00
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
	Interest	X	9.45	78,736.52
	Deposit	X	5,797.29	84,533.81
			reconciled balance 4/30/11	84,533.81
	Interest	X	11.33	84,545.14
	Deposit	X	5,797.29	90,342.43
			reconciled balance 5/31/11	90,342.43



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

009 00010 26
ACCOUNT:
DOCUMENTS:

100395311
1

PAGE: 1
05/31/2011

94

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 04/29/11 34,533.81
2 CREDITS 5,808.62
DEBITS .00
THIS STATEMENT 05/31/11 90,342.43

REF #.....DATE.....AMOUNT REF #.....DATE.....AMOUNT REF #.....DATE.....AMOUNT
05/19 5,797.29

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

DESCRIPTION	DATE	AMOUNT
INTEREST	05/31	11.33

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

AVERAGE LEDGER BALANCE:	86,888.95	INTEREST EARNED:	11.33
AVERAGE AVAILABLE BALANCE:	86,164.29	DAYS IN PERIOD:	32
INTEREST PAID THIS PERIOD:	11.33	ANNUAL PERCENTAGE YIELD EARNED:	.15
INTEREST PAID 2011:	46.72		

--- 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

*** CONTINUED ***

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 May 2011

Submitted by Alliance Water Resources, Inc. for the

June 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	2.1	1.3	NA	< 20
Peak Day	2.7	2.4	8.0	< 20
Percent Removal	99.3	99.7	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 1.478 MGD or 49% of Permitted flow with Lake Ozark contributing 19% of the total flow and Osage Beach contributing 81%. 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 120918 pounds of BOD.

BIOSOLIDS APPLICATION AND INVENTORY

Plant personnel land applied 24 tanker loads of bio-solids during the month equivalent to a total of 88,800 gallons and 28,051 pounds dry weight solids.

131,546 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 512,500 gallons with a level of 5.5 feet in Tank 1 and 4.5 feet in Tank 2.

WASTEHAULERS

The plant received 39 loads of septage during the month totaling 101,500 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 came in on the 1st and noticed that our non-potable pumps were not working properly on auto. We troubleshooted it and found that the switch had gone bad, so we ordered one and got it in on the 5th and installed it the same day and everything is working fine now.
- We received the new main breaker for the flow meter main breaker panel on the 3rd and installed it on the 5th also.
- We came in on the 20th and found aerator #5 off. When we tried to restart it, it tripped the main breaker for the whole plant. We troubleshooted it and found nothing that would cause it in either panel and it started back up with no problem. We came in on the 4th and found it off again and it started back up with no problem. We are going to continue monitoring it and troubleshoot the cause.

SAFETY

- We conducted our monthly routine Safety Meeting on Proper Protective Equipment on the 10th of May.

REGULATORY AGENCY, INSPECTION AND REPORTS

- Mailed DMR to MDNR on the 7th of June.
- We received our 2nd quarter 503 sludge sample results on the 9th and everything looked good. (see attachment)

MISCELLANEOUS AND RECOMMENDATIONS

TABLE A
LAKE OZARK/OSAGE BEACH WWTP

MONTH OF May 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-May		0.269	1.053	1.322	20.3	79.7						
2-May		0.219	0.817	1.036	21.1	78.9						
3-May		0.197	0.727	0.924	21.3	78.7						
4-May		0.167	0.746	0.913	18.3	81.7						
5-May		0.172	0.772	0.944	18.2	81.8						
6-May	0.25	0.188	0.852	1.040	18.1	81.9	278	273	250	172	198	204
7-May	0.65	0.211	0.930	1.141	18.5	81.5						
8-May		0.230	1.043	1.273	18.1	81.9						
9-May		0.194	0.881	1.075	18.0	82.0						
10-May		0.182	0.868	1.050	17.3	82.7						
11-May		0.165	0.856	1.021	16.2	83.8						
12-May		0.173	0.849	1.022	16.9	83.1						
13-May	3.2	0.372	1.687	2.059	18.1	81.9	235	310	318	154	316	376
14-May	0.8	0.447	1.729	2.176	20.5	79.5						
15-May		0.284	1.127	1.411	20.1	79.9						
16-May	0.1	0.222	0.855	1.077	20.6	79.4						
17-May		0.193	0.821	1.014	19.0	81.0						
18-May		0.173	0.871	1.044	16.6	83.4						
19-May	0.3	0.165	0.855	1.020	16.2	83.8						
20-May	2.25	0.673	2.611	3.284	20.5	79.5	285	450	450	248	1502	800
21-May	2.75	0.661	2.432	3.093	21.4	78.6						
22-May		0.308	1.463	1.771	17.4	82.6						
23-May		0.234	1.109	1.343	17.4	82.6						
24-May	0.5	0.198	1.134	1.332	14.9	85.1						
25-May	0.5	0.223	1.166	1.389	16.1	83.9						
26-May	0.4	0.323	1.489	1.812	17.8	82.2	310	230	248	198	216	232
27-May		0.290	1.269	1.559	18.6	81.4						
28-May	0.1	0.287	1.279	1.566	18.3	81.7						
29-May		0.383	1.653	2.036	18.8	81.2						
30-May		0.393	1.815	2.208	17.8	82.2						
31-May		0.327	1.527	1.854	17.6	82.4						
SUM	11.8	8.523	37.286	45.809								
AVG		0.275	1.203	1.478	19	81	277	316	317	193	558	403
NOTE: BOLD PRINT INDICATES WEEKEND DAYS												

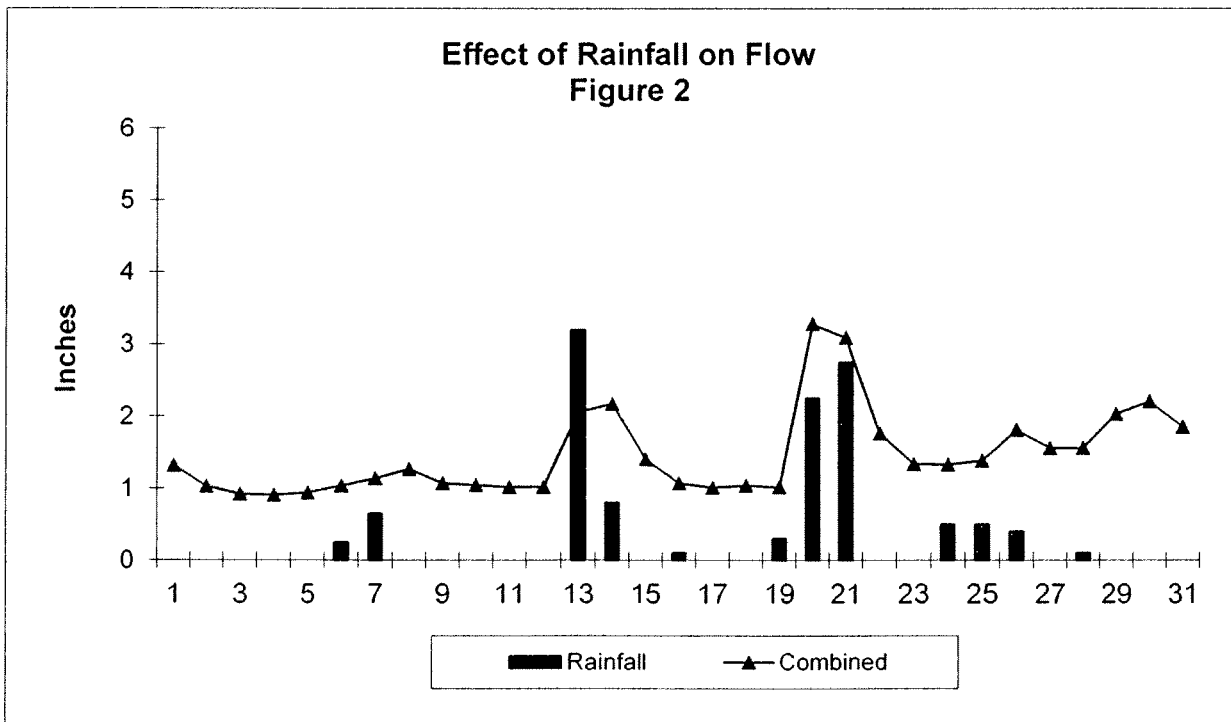
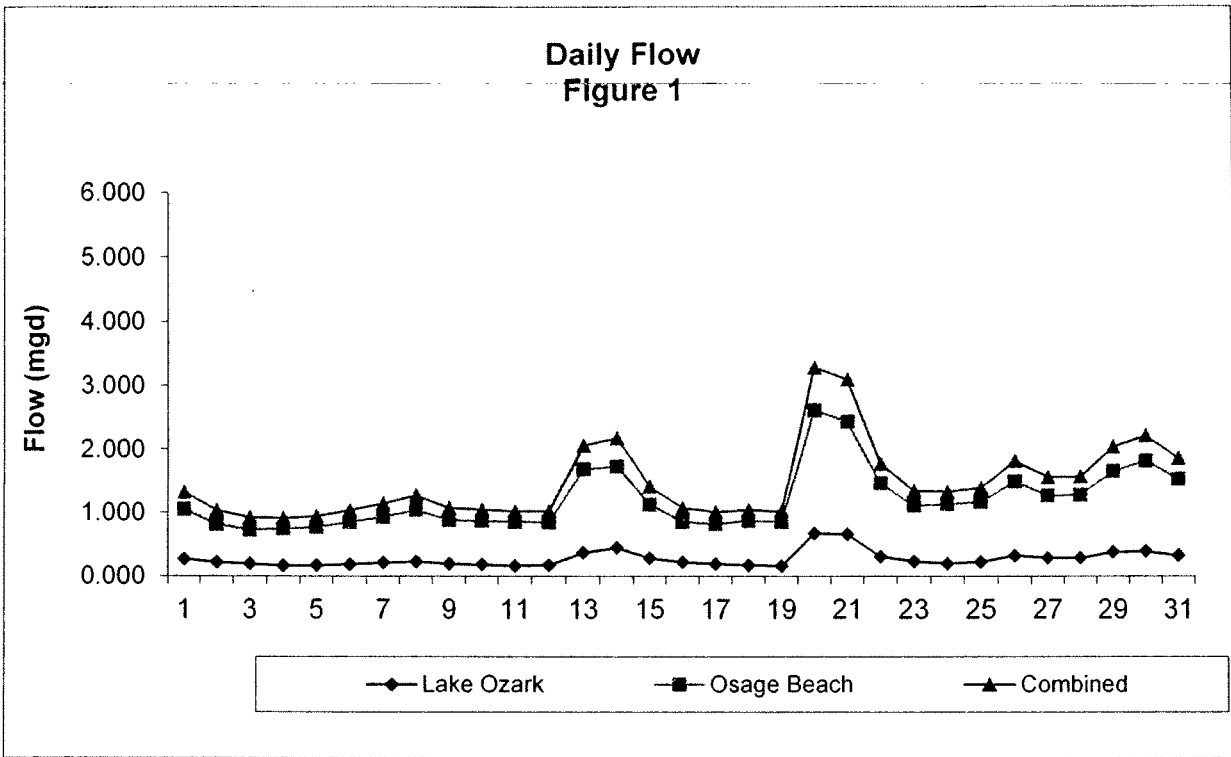


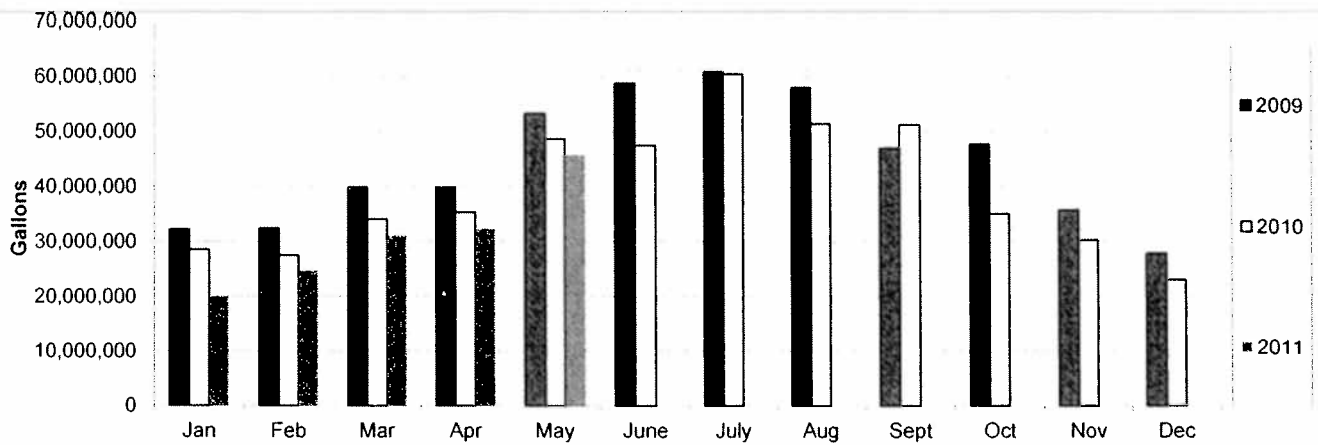
TABLE B
JOINT SEWER BOARD
Monthly Flows

<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%

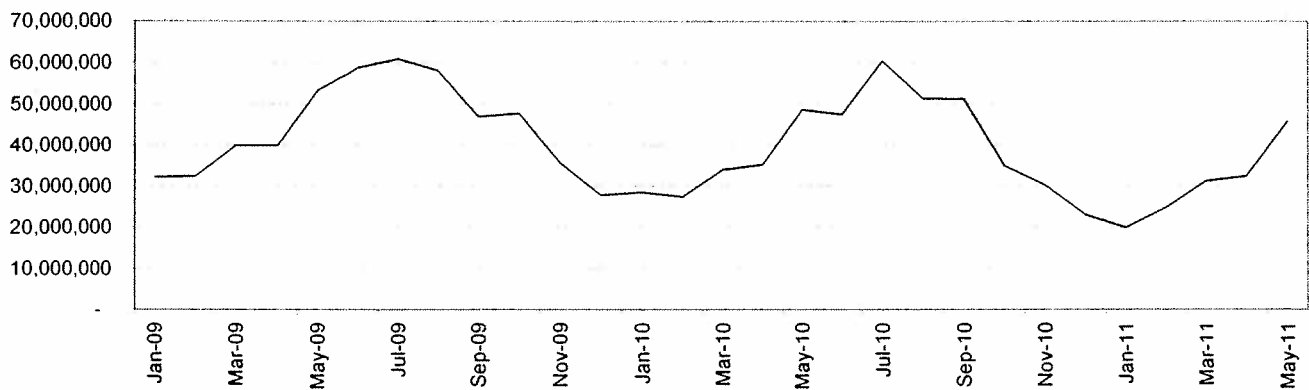
<u>2010</u>	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	3.6	22,407,000	78%	6,144,000	22%	28,551,000	100%
February	2.8	21,783,000	79%	5,753,000	21%	27,536,000	100%
March	3.8	27,636,000	81%	6,500,000	19%	34,136,000	100%
April	3.6	28,951,000	82%	6,386,000	18%	35,337,000	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	4.8	26,299,000	81%	6,158,000	19%	32,457,000	100%
May	11.8	37,286,000	81%	8,523,000	19%	45,809,000	100%
June							
July							
August							
September							
October							
November							
December							
	26.9	123,943,000	80%	30,289,000	20%	154,232,000	100%

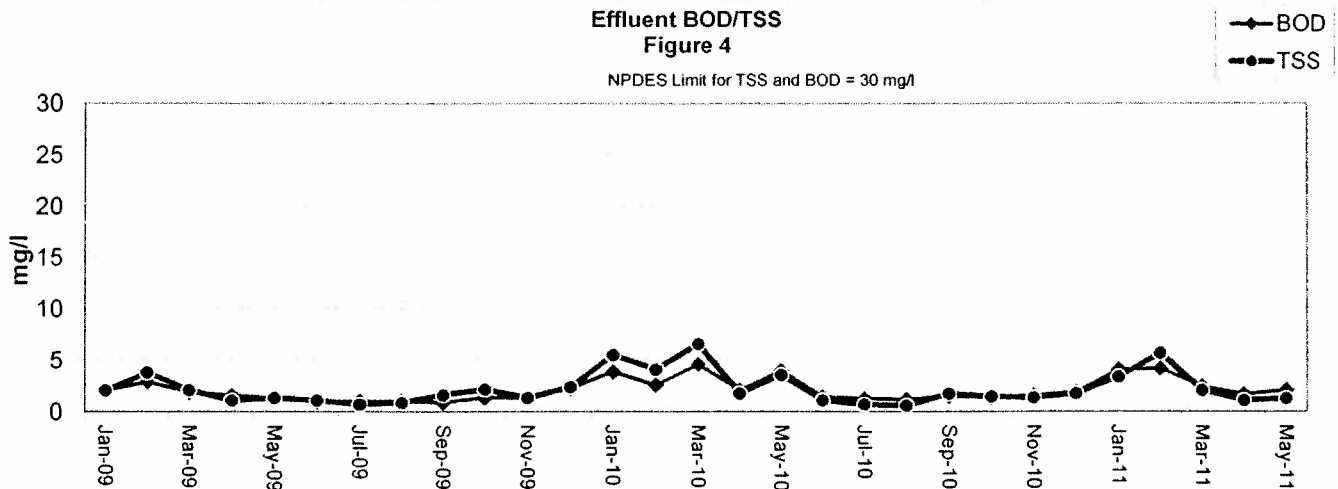
Monthly Influent Flow
Figure 3A



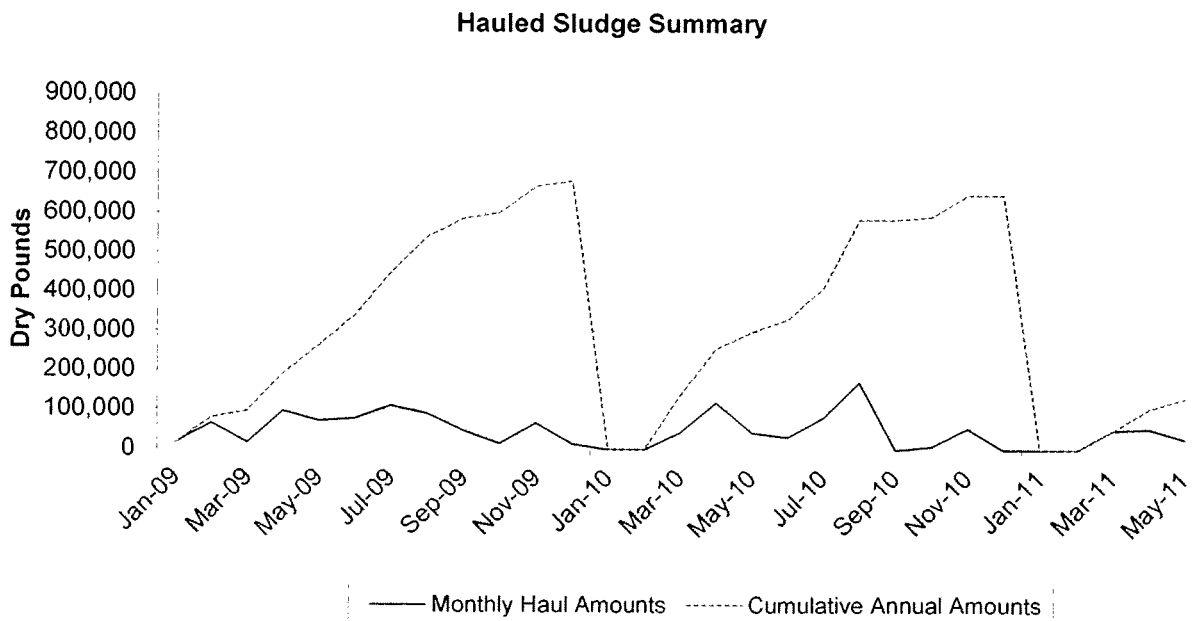
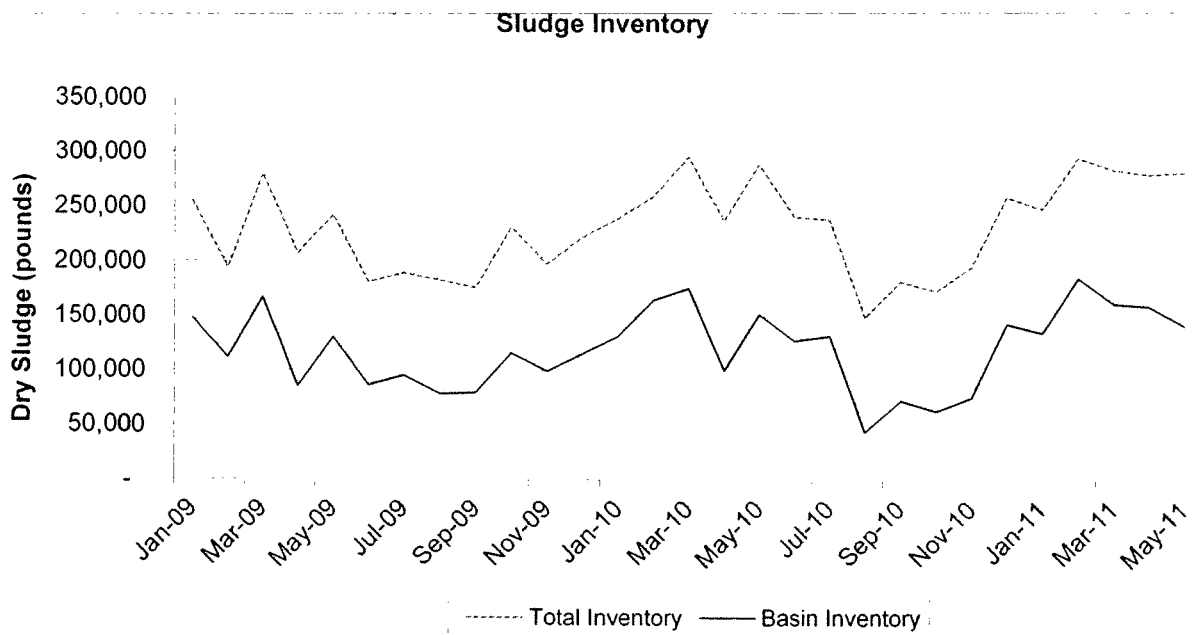
Monthly Influent Flow
Figure 3B



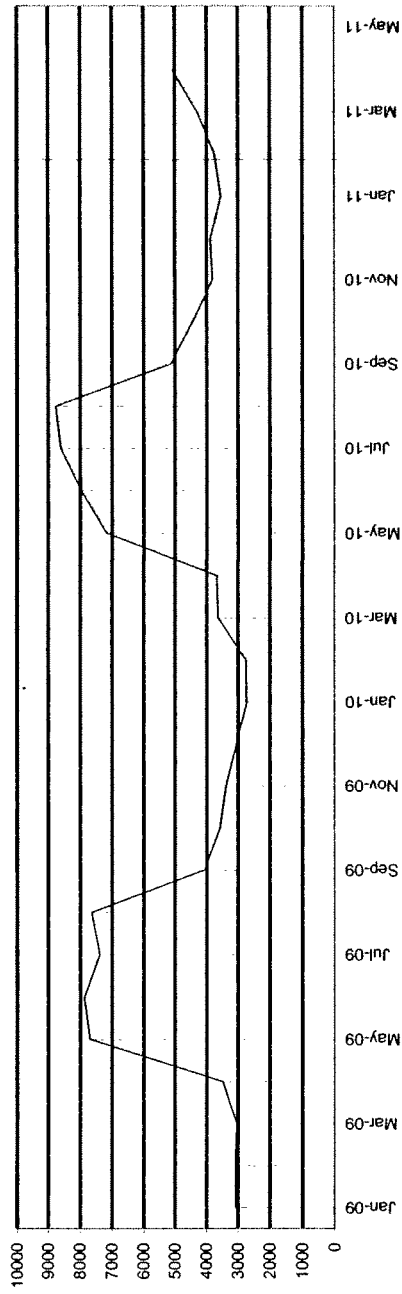
Effluent BOD/TSS
Figure 4



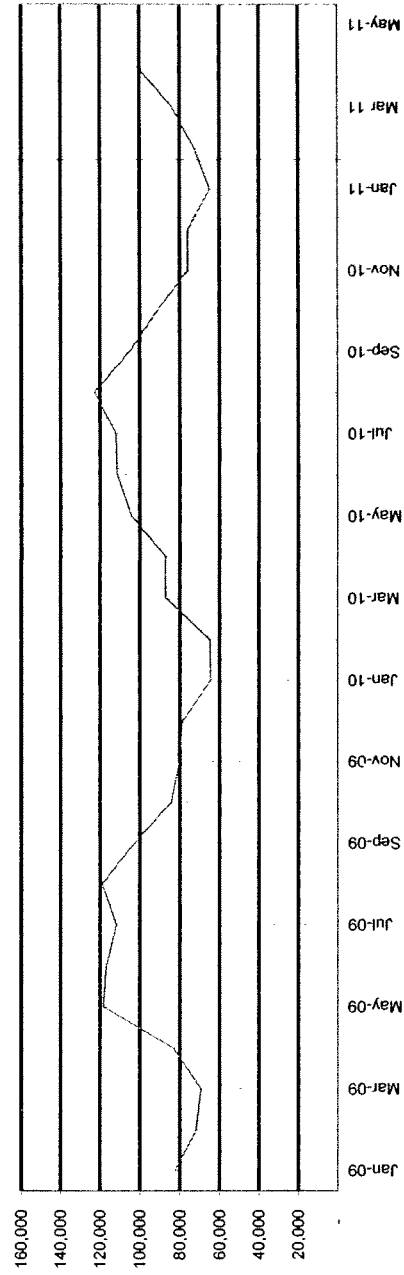
	Loads	Gallons	Hauled Sludge		Annual Cumulative # Dry	Basin Depths			Blanket Depths			MLSS Inventory			Blanket and MLSS Inventory		MLSS % Solids	Total Dry Sludge Inventory	Accepted Septage Loads	Gallons	
			# Dry	% Solids		Tank #1	Tank #2	AB #1	Clar #1	Clar #2	Clar #3	MLSS AB #1	MLSS AB #2	Gallons	# Dry	% Solids					
Jan-09	12	44,400	14,627	4.0%	14,627	6.0	4.0	0.0	0.0	450,000	148,247	0.0	1.0	0.0	3,220	3,860	3,617,762	106,809	0.00354	24	59,000
Feb-09	53	196,100	65,018	4.0%	79,645	5.0	2.5	0.0	0.0	337,500	111,900	0.0	0.5	0.0	1,840	3,608,881	82,469	0.00274	24	62,000	
Mar-09	12	44,400	15,738	4.3%	95,383	5.5	5.0	0.0	0.0	472,500	167,482	0.0	1.0	0.5	3,330	4,110	3,657,238	112,855	0.00337	18	45,000
Apr-09	82	303,400	96,032	3.8%	191,415	5.0	1.0	0.0	0.0	270,000	85,460	3.0	0.0	1.0	4,260	3,360	3,696,714	122,089	0.00396	26	65,000
May-09	53	196,100	71,251	4.4%	262,666	5.5	2.5	0.0	0.0	360,000	130,802	1.0	1.0	1.0	3,380	3,350	3,678,952	111,991	0.00365	24	79,500
Jun-09	70	259,000	76,875	3.6%	339,541	4.5	2.0	0.0	0.0	292,500	86,818	0.5	1.0	2.5	3,180	2,890	3,735,213	84,545	0.00304	32	78,500
Jul-09	70	259,011	110,008	5.1%	449,549	5.0	0.0	0.0	0.0	225,000	95,563	0.0	1.0	4.0	3,040	2,910	3,791,474	94,072	0.00298	50	163,500
Aug-09	84	310,800	90,568	3.5%	540,117	4.5	1.5	0.0	0.0	270,000	78,679	1.0	1.0	1.0	2,910	3,890	3,678,952	104,320	0.0034	55	145,000
Sep-09	43	159,100	47,213	3.6%	587,330	6.0	0.0	0.0	0.0	382,500	116,309	1.0	0.5	0.0	3,750	2,620	3,617,762	96,098	0.00319	37	97,500
Oct-09	13	48,100	14,626	3.6%	601,956	6.5	2.0	0.0	0.0	315,000	99,829	2.0	1.0	0.0	2,640	3,820	3,653,286	98,413	0.00323	43	112,500
Nov-09	57	210,900	66,838	3.8%	668,794	6.0	1.0	0.0	0.0	315,000	115,588	2.0	2.0	1.0	3,320	3,600	3,714,476	107,186	0.00346	57	146,500
Dec-09	10	37,000	13,577	4.4%	682,371	5.0	2.0	0.0	0.0	360,000	132,106	1.0	1.0	0.0	3,640	3,460	3,635,524	107,637	0.00355	25	60,000
Jan-10	0	-	0	4.4%	-	5.0	3.0	0.0	0.0	450,000	165,132	2.0	1.0	0.0	3,310	2,910	3,653,286	94,757	0.00311	35	93,000
Feb-10	0	-	0	4.4%	-	5.0	5.0	0.0	0.0	562,500	175,858	1.0	0.0	1.5	3,940	3,890	3,682,904	120,251	0.00392	13	33,000
Mar-10	37	136,900	42,800	3.7%	136,900	7.0	5.5	0.0	0.0	315,000	100,584	1.0	1.5	2.0	4,440	4,380	3,731,261	137,234	0.00441	48	124,000
Apr-10	101	373,700	119,328	3.8%	256,228	6.0	1.0	0.0	0.0	405,000	151,997	1.5	4.5	2.0	3,930	4,750	3,793,428	137,305	0.00434	48	126,000
May-10	31	114,700	43,047	4.5%	299,275	6.0	3.0	0.0	0.0	450,000	127,727	1.0	1.0	1.0	3,650	3,770	3,678,952	113,832	0.00371	60	157,500
Jun-10	30	111,000	31,506	3.4%	330,781	7.0	3.0	0.0	0.0	405,000	132,327	1.0	2.0	1.0	3,650	3,250	3,696,714	106,366	0.00345	22	52,000
Jul-10	68	251,600	82,206	3.9%	412,987	8.0	1.0	0.0	0.0	135,000	44,389	2.5	1.5	1.0	3,250	3,520	3,714,476	104,708	0.00338	96	252,000
Aug-10	141	521,700	171,540	3.9%	584,527	3.0	0.0	0.0	0.0	225,000	73,184	2.0	2.0	0.0	3,300	3,750	3,714,476	109,045	0.00352	18	46,500
Sep-10	0	-	0	3.9%	584,527	2.5	2.5	0.0	0.0	202,500	63,302	1.0	0.0	2.0	3,460	3,680	3,704,618	110,301	0.00357	26	65,000
Oct-10	9	33,300	8,517	3.1%	593,044	4.0	1.5	0.0	0.0	382,500	143,552	2.0	2.0	0.0	3,700	3,890	3,671,048	116,037	0.00384	16	38,000
Nov-10	39	144,300	54,094	4.5%	647,138	4.5	4.0	0.0	0.0	360,000	135,108	2.0	2.0	0.0	3,520	3,930	3,653,286	113,495	0.00379	24	56,500
Dec-10	0	-	0	4.5%	647,138	5.5	2.5	0.0	0.0	495,000	185,774	2.5	2.0	0.0	3,580	3,580	3,679,929	109,872	0.00358	19	45,000
Jan-11	0	-	0	4.5%	-	6.0	5.0	0.0	0.0	517,500	161,993	1.0	1.0	0.5	4,100	3,940	3,657,238	122,615	0.00402	6	15,000
Feb-11	0	-	0	4.5%	-	7.5	4.0	0.0	0.0	495,000	159,625	2.0	3.0	2.0	3,130	4,540	3,775,666	120,761	0.00384	25	59,000
Mar-11	43	159,100	49,803	3.8%	49,803	5.5	4.5	0.0	0.0	450,000	142,150	2.0	2.0	2.5	4,960	3,920	3,779,618	139,958	0.00444	27	70,300
Apr-11	45	166,500	53,692	3.9%	103,495	5.5	4.5	0.0	0.0	450,000	142,150	2.0	2.0	2.5	4,960	3,920	3,779,618	139,958	0.00444	39	101,500
May-11	24	88,800	28,051	3.8%	131,546	5.5	4.5	0.0	0.0	450,000	142,150	2.0	2.0	2.5	4,960	3,920	3,779,618	139,958	0.00444	39	101,500



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							
May-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			15.2	1.726	7.7				7.1		15.6			
2	7.2			15.4	1.513	7.8				5.0	< 20	15			
3	7.2			14.9	1.422	7.8				6.5		14			
4	7.4			15.7	1.253	7.8				6.9		14.8			
5	7.4			15.8	1.386	7.8			0.04	6.5		15.3			
6	7.3	250	204	15.1	1.505	7.8	1.7	1.2		7.0		14.6	99.3	99.4	
7	7.4			16.7	1.512	7.7				5.7		16			
8	7.4			16.4	1.671	7.7				6.1		16.8			
9	7.3			16.9	1.389	7.8				5.6	< 20	18			
10	7.3			17	1.383	7.9				5.8		19.6			
11	7.3			18.5	1.164	7.9				6.6		20			
12	7.3			18	1.311	7.8			0.04	5.5		20.4			
13	7.2	318	376	18.2	2.479	7.8	2.0	1.2		4.3		19.4	99.3	99.7	
14	7.4			15.8	2.503	7.9				5.2		17.4			
15	7.4			16.6	1.805	7.9				5.8		16.5			
16	7.2			16.1	1.499	7.9				6.6	< 20	15.7			
17	7.3			16	1.374	7.8				7.0		16			
18	7.3			16.3	1.291	8.0				7.5		15.5			
19	7.2			16.3	1.346	7.8			0.04	6.4		15.5			
20	7.5	450	800	18	3.284	7.8	2.7	2.4		5.1		17.9	99.4	99.7	
21	7.4			17.6	3.453	7.8				5.1		17.8			
22	7.5			17.6	2.059	7.8				5.8		19.1			
23	7.5			18.1	1.566	7.8				6.1	< 20	19.6			
24	7.4			18	1.640	7.8				6.1		18.5			
25	7.3			18.4	1.502	7.8			0.24	5.8		19.6			
26	7.4	248	232	16.9	2.175	7.8	1.9	0.2		5.6		18.4	99.2	99.9	
27	7.4			17.2	1.900	7.8				6.3		17.6			
28	7.4			17.4	1.943	7.8				6.0		18			
29	7.4			19.6	2.360	7.8				5.2		19.8			
30	7.4			21.7	2.453	7.8				5.0		21.5			
31	7.4			19.9	2.042	8.0				5.1	< 20	20.8			
Total					55.909										
Avg		317	403	17	1.804		2.1	1.3	0.1	5.9	< 20	17.6	99.3	99.7	
Min	7.2	248	204	15	1.164	7.7	1.7	0.2	0.0	4.3	< 20	14.0	99.2	99.4	
Max	7.5	450	800	22	3.453	8.0	2.7	2.4	0.2	7.5	< 20	21.5	99.4	99.9	

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	< 5.0		
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
Total			
Avg	< 5.0	0.00	0.00
Min	< 5.0	0.00	0.00
Max	< 5.0	0.00	0.00

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

DATE	SLUDGE DISP. LBS. DRY WEIGHT	#1 Aeration Basin, O-Ditch, Etc.				#2 Aeration Basin, O-Ditch, Etc.				*Weather Conditions		
		MIXED LIQUOR				MIXED LIQUOR				Outside	*RAIN inches	Time
		* DO	** MLSS	*Settleability		* DO	** MLSS	*Settleability		* Ambient		
		mg/l	mg/l	*30 min ml	Temp ° C	mg/l	mg/l	*30 min ml	Temp ° C	Temp ° F		
1		5.2	3,300	300	15.1	2.7	5,050	600	15.2	54		7:30
2		2.8	2,860	250	14.3	2.3	4,670	610	14.2	47		7:30
3	4,567	4.0	3,590	380	13.7	3.3	4,810	650	13.5	43		7:30
4		4.3	3,630	400	14.5	3.9	4,080	540	14.6	42		7:30
5	6,172	1.1	4,460	480	14.9	4.1	3,910	440	14.8	55		7:30
6		2.4	4,580	550	14.7	4	3,520	400	14.4	51	0.25	7:30
7		1.4	4,370	480	16.3	2	3,800	410	16	59	0.65	7:30
8		1.2	3,800	410	17	1.6	4,340	560	17	60		7:30
9		1.2	4,230	470	18.2	1.2	3,830	490	18.1	65		7:30
10	7,036	0.6	5,010	650	20	1.7	3,230	340	19.6	75		7:30
11	6,326	1.0	4,230	500	20.2	1.8	3,680	350	19.9	73		7:30
12		1.0	4,310	470	20.6	1.7	3,730	430	20.2	67		7:30
13		1.0	4,170	400	19.8	1	3,900	390	19.4	59	3.2	7:30
14		0.9	4,250	500	17	1.1	3,950	420	17.1	52	0.8	7:30
15		2.2	4,210	540	16.5	3.8	3,570	440	16.4	53		7:30
16		1.5	4,680	630	15.8	3.7	3,340	420	15.6	50	0.1	7:30
17		2.9	4,660	550	15.8	5.3	2,520	440	15.7	48		7:30
18	3,950	4.3	4,390	460	15.2	4.7	3,900	450	15.2	53		7:30
19		3.0	4,510	560	15.7	3.8	3,640	400	15.6	56	0.3	7:30
20		1.1	4,300	570	18.3	2.1	3,870	440	18	68	2.25	7:30
21		2.5	4,280	490	18	1.6	3,580	420	17.8	64	2.75	7:30
22		2.1	4,500	500	19	3.2	3,980	460	18.9	67		7:30
23		2.1	4,230	490	19.5	2	4,240	500	19.5	68		7:30
24		3.2	4,010	490	18.4	4	4,230	520	18.4	59	0.5	7:30
25		2.6	3,410	420	19.7	2.3	3,210	420	19.6	67	0.5	7:30
26		2.8	2,920	370	18.2	2.2	4,390	550	18.1	56	0.4	7:30
27		3.5	3,720	440	17.4	2.7	3,820	420	17.3	59		7:30
28		2.0	3,970	520	18.1	1.9	3,480	350	18	61	0.1	7:30
29		1.0	5,390	680	19.8	1.4	2,470	280	20.1	71		7:30
30		0.9	4,880	440	23.1	0.9	4,820	480	21.8	76		7:30
31		0.8	4,960	640	21	1.6	3,920	440	20.8	72		7:30

COMMENTS:

TESTS PERFORMED BY (PRINT)	SIGNATURE	PHONE #	DATE
Frank Hendricks	<i>Frank Hendricks</i>	(573)365-0455	6/6/2011
REPORT APPROVED BY (PRINT)	SIGNATURE	PHONE #	DATE
Gary Hutchcraft	<i>Gary Hutchcraft</i>	(573)365-0455	6/6/2011

*Required Daily (Monday - Friday)

**Required 1/week

LAKE OZARKOSAGE BEACH WWTP
Operation Report

FILE MAY 2011

STATION	PLANT EFFLUENT										COMBINATION OF PLANT EFFLUENT WITH WWT PLANT EFFLUENT										COMBINATION OF PLANT EFFLUENT WITH WWT PLANT EFFLUENT										PLANT EFFLUENT										PLANT EFFLUENT										PLANT EFFLUENT										PLANT EFFLUENT										PLANT EFFLUENT										PLANT EFFLUENT										PLANT EFFLUENT										PLANT EFFLUENT										PLANT EFFLUENT										PLANT EFFLUENT										PLANT EFFLUENT										PLANT EFFLUENT										PLANT EFFLUENT										PLANT EFFLUENT										PLANT EFFLUENT										PLANT EFFLUENT										PLANT EFFLUENT										PLANT EFFLUENT										PLANT EFFLUENT										PLANT EFFLUENT										PLANT EFFLUENT										PLANT EFFLUENT										PLANT EFFLUENT										PLANT EFFLUENT										PLANT EFFLUENT										PLANT EFFLUENT										PLANT EFFLUENT										PLANT EFFLUENT										PLANT EFFLUENT										PLANT EFFLUENT										PLANT EFFLUENT										PLANT EFFLUENT										PLANT EFFLUENT										PLANT EFFLUENT										PLANT 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Use following abbreviations R-rain, S-snow, Overcast, C-clear, PC-partly cloudy
Prepared by JH, FH & GH

Approved by GH

P.38

Date

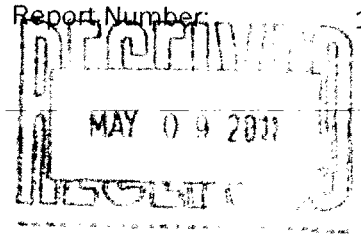
6/6/2011

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: 112788



Report of Analysis

Reference:

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

Log Number:
1306616

Sample Description:
Quarterly Sludge

Sample Date:
4/4/2011

Coli S

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Fecal Coliform in Sludge	14100	CFU/g	SM-9222 D-97		04/05/11	133
Total Solids Average	4.28	% w/w	SM-2540 B-97		04/05/11	133

Nutrients

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Phosphorus	26000	mg/Kg	SM-20 4500-P E-99		04/11/11	133

PAN Group

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Ammonia as Nitrogen	10,100	mg/Kg	Lachat-10-107-06-1-K		04/11/11	102
Kjeldahl Nitrogen	121,000	mg/Kg	Lachat-10-107-06-2-K		04/11/11	102
Nitrate as Nitrogen	< 48	mg/Kg	EPA-300.0 Rev. 2		04/11/11	133
Nitrite as Nitrogen	< 48	mg/Kg	EPA-300.0 Rev. 2		04/11/11	133
Organic Nitrogen	110,000	mg/Kg	Lachat-10-107-06-2-K		04/11/11	102
PAN - Subsurface Application	32100	ppm	Calculation		04/20/11	127
PAN - Surface Application	29070	ppm	Calculation		04/20/11	127

Preparation Methods

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Anions IC Sample Preparation	1	Prep	SM-4110B-00		04/11/11	133
Metals ICP Sample Digestion	1	Prep	EPA-200.7 Rev. 4.4	PDC	04/18/11	
Total Metals Flame-AA Digestion	1	Prep	EPA-200.2		04/12/11	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: 112788

Report of Analysis

Log Number: 1306616
Sample Description: Quarterly Sludge

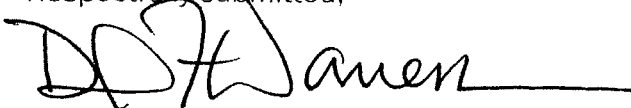
Sample Date:
4/4/2011

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Total Solids	4.18	% w/w	SM-2540 B-97		04/07/11	102

Total (Total Recoverable) Trace Metals

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Arsenic by ICP	< 3.0	mg/Kg	EPA-200.7 Rev. 4.4	PDC	04/19/11	
Cadmium	0.78	mg/Kg	SM-3111 B-99		04/21/11	133
Chromium	26.9	mg/Kg	SM-3111 B-99		04/21/11	133
Copper	432	mg/Kg	SM-3111 B-99		04/21/11	133
Lead	22.0	mg/Kg	SM-3111 B-99		04/19/11	133
Mercury by Color Vapor Technique	0.14	mg/Kg	SM-3112 B-99		04/13/11	133
Molybdenum by ICP	5.7	mg/Kg	EPA-200.7 Rev. 4.4	PDC	04/19/11	
Nickel	17.0	mg/Kg	SM-3111 B-99		04/21/11	133
Potassium	1730	mg/Kg	SM-3111 B-99		04/20/11	133
Selenium by ICP	< 2.0	mg/Kg	EPA-200.7 Rev. 4.4	PDC	04/19/11	
Zinc	898	mg/Kg	SM-3111 B-99		04/21/11	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

CHAIN OF CUSTODY RECORD

Client:

Sampler's Signature: Frank DeVos

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

Date: 4-4-11 Time: 11:15 ☐ See Table

City/State/Zip: LAKE OZARK, MO 65049
 PO Number: N/A ☐ Rush Requested (Due Date: _____)

Additional Comments:

[illegible]

FECAL COLIFORM IN SLUDGE

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

Log #

1306616

Date:

4/5/2011

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	10.5386	1.0147	1.4522	0.4375	4.15
B	11.6754	0.9798	1.4752	0.4954	4.24
C	12.4273	1.0100	1.5516	0.5416	4.36
D	13.8242	1.0026	1.5978	0.5952	4.31
E	13.0480	0.9941	1.5583	0.5642	4.32
F	11.3840	1.0255	1.5169	0.4914	4.32
G	12.6634	0.9992	1.5423	0.5431	4.29
				Average Total Solid	4.28

Colony Counts

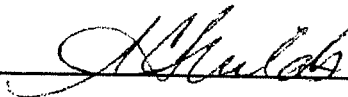
Date:

4/5/2011

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	0.3862	1	1	6,240
B	0.4511	1	2	10,500
C	0.4621	1	4	19,900
D	0.4476	1 +	<1	<5180
E	0.4456	1	3	15,600
F	0.4971	1	8	37,300
G	0.4442	1	11	57,700
Geometric Average				14,100

Approved by:



Environmental Analysis South, Inc.
Clarification Coagulant Sludges
Sludge Analysis

4/28/2011

Submitted by: Alliance Lake of the Ozarks					
Log Number: 1306616					
pH					
Coliform					
Parameter	Wet %	Wet ppm	Dry %	Dry ppm	lbs/dry Tons
Moisture			95.82		
Solids			4.18		
Volatile Solids					
Ash					
Nitrogen (TKN)	0.502%	5020.180	12.010%	120100.000	240.200
Nitrate N	0.000%	0.000	0.000%	ND	0.000
Nitrite N	0.000%	0.000	0.000%	ND	0.000
Ammonia N	0.042%	422.180	1.010%	10100.000	20.200
Organic N	0.460%	4598.000	11.000%	110000.000	220.000
PAN Surface Application	0.122%	1215.126	2.907%	29070.000	58.140
PAN Subsurface Application	0.134%	1341.780	3.210%	32100.000	64.200
Potassium (as K)	0.007%	72.314	0.173%	1730.000	3.460
Phosphorus (as P)	0.109%	1086.800	2.600%	26000.000	52.000
Arsenic (as As)	ND	ND	ND	ND	ND
Cadmium (as Cd)	0.000%	0.033	0.000%	0.780	0.002
Chromium (as Cr)	0.000%	1.124	0.003%	26.900	0.054
Copper (as Cu)	0.002%	18.058	0.043%	432.000	0.864
Molybdenum (as Mo)	0.000%	0.238	0.001%	5.700	0.011
Nickel (as Ni)	0.000%	0.711	0.002%	17.000	0.034
Lead (as Pb)	0.000%	0.920	0.002%	22.000	0.044
Selenium (as Se)	ND	ND	ND	ND	ND
Zinc (as Zn)	0.004%	37.536	0.090%	898.000	1.796
Mercury (as Hg)	0.000%	0.006	0.000%	0.140	0.000
code ND = none detected					
code NT = not tested					

