

**OSAGE BEACH/LAKE OZARK
JOINT SEWER BOARD MEETING
AGENDA
SEPTEMBER 18, 2012
3:30 p.m.
LAKE OZARK CITY HALL**

1. CALL TO ORDER

2. ROLL CALL

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
Fred Catcott, Alderman, Osage Beach
Rick King, Public Works Director, Osage Beach
Matt Michalik, Public Works Director, Lake Ozark
Gary Hamner

3. MINUTES

Page Numbers

Regular Meeting; August 21, 2012

3-4

4. REPORTS

Bill List	5-21
Revenue Budget Analysis	23
Expenditure Budget Analysis	25
Income & Expense Summary	27
Balance Sheet	29
Check Registers & Bank Statements	31-34
August 2012 Alliance Report and Flow Report	36-57

5. OLD BUSINESS

None at this time

6. NEW BUSINESS

Mike Welty – Audit Communications Packet

7. DISCUSSION

8. ADJOURNMENT

THE NEXT MEETING WILL BE OCTOBER 16, 2012, 4:00 PM, LAKE OZARK CITY HALL

**LAKE OZARK - OSAGE BEACH
JOINT SEWER BOARD**

**Meeting Minutes
August 21, 2012**

Call to Order:

Mayor Penny Lyons called the meeting to order at 4:10 p.m. at Lake Ozark City Hall.

Roll Call:

Mayor Penny Lyons
Mayor Johnnie Franzekos
City Administrator Nancy Viselli
City Administrator Dave Van Dee
Public Works Director Rick King
Public Works Director Matt Michalik
Alderman Fred Catcott
Alderman Don Langley
Mr. Gary Hamner

Minutes of Past Meetings:

Mayor Lyons requested a motion to approve the minutes from July 17, 2012 meeting. Mayor Franzekos motioned to approve the minutes as written. Motion seconded by Administrator Dave Van Dee and unanimously approved.

Reports:

Financial Reports: Mayor Franzekos motioned approval to pay the bills. Motion seconded by City Administrator, Dave Van Dee and unanimously approved. No other action was taken with regard to the financial reports.

June Alliance Report of Operations: Mr. Hutchcraft reviewed the May Operations Report, a copy of which was included in the meeting packet. With no questions or comments, Alderman Langley motioned to approve the July Flow Reports as presented. Motion seconded by City Administrator Nancy Viselli and unanimously approved.

Old Business:

Mayor Lyons advised the depositions hearing is to be held October 22, 2012.

**LAKE OZARK - OSAGE BEACH
JOINT SEWER BOARD**

**Meeting Minutes
August 21, 2012**

New Business:

Eric Hibson, PE with HDR Engineering, Inc. discussed with the board that a backup generator needs to be purchased. After further discussion with the board, Mayor Lyons suggested to table the purchase of the generator and to have everyone look at their budgets for a new generator.

Open Discussion:

There has only been 1 Invitation to Bid was submitted for Lake of the Ozarks Regional Wastewater Treatment Plant #1 for sandblasting and painting of all meter components of one said 55 ft. Eimco Claifier. Lake Ozark Public Works Director, Matt Michalik motioned to approve the bid. Motion was seconded by Alderman Don Langley.

Garv Johnson was introduced as the Division Manager for Alliance.

Adjournment:

With nothing further to discuss, the meeting was adjourned at 4:50 pm. The next regularly scheduled meeting is Tuesday, September 18, 2012, 3:30 pm., Lake Ozark City Hall.

Penny Lyons
Mayor, Osage Beach

Mardonna Phillips
Joint Sewer Clerk, Lake Ozark

JOINT SEWER BOARD

BILL LIST

September 18, 2012

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:	\$	31,149.40
OPERATING FUND BILLS TO BE PAID:	\$	19,796.27
EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:	\$	-
EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:	\$	-

TOTAL	\$	50,945.67
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OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:

Account	Check	Paid To:	Description:	Amount:
4170	3221	Alliance Water Resources, Inc.	September 2012 Management Fee	\$ 22,745.70
4185	3222	Ameren Missouri	August 2012 Utility Bill	\$ 8,403.70

TOTAL	\$	31,149.40
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OPERATING FUND BILLS TO BE PAID:

Account	Check	Paid To:	Description:	Amount:
4000	3223	Equipment Replacement Fund	New Basin -Loan Payment	\$ 2,330.12
4170	3224	Equipment Replacement Fund	Payment into ER Fund	\$ 3,467.17
4020	3225	Alliance Water Resources, Inc.	Misc Repair/Main	\$ 114.75
4150	3225	Alliance Water Resources, Inc.	Vehicle Repairs	\$ 60.64
4220	3226	Zerger & Mauer	Magruder Lawsuit August 2012	\$ 11,447.47
4220	3227	Bankcard Center	Magruder Lawsuit Staples/postage	\$ 74.12
4200	3228	Gerding, Korte, & Chitwood	Annual Audit	\$ 1,700.00
4220	3229	Midwest Litigation Services	Magruder Lawsuit - Transcripts	\$ 602.00

	\$	19,796.27
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EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:

Account	Check	Paid To:	Description:	Amount:
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	\$	-
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EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:

Account	Check	Paid To:	Description:	Amount:
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	\$	-
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3221

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: 5374

SOLD TO 01-Sep-12

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

Customer No: 20220

Terms: 30 days

REFERENCE	DESCRIPTION	AMOUNT
	Wastewater Plant operating service for month of: Sep-12	
	Base Fee	\$22,745.70
TOTAL DUE		\$22,745.70



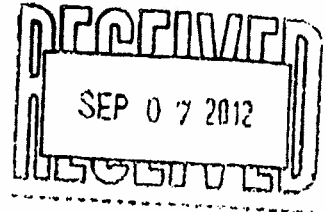
Please Return This Portion With Your Payment

AMOUNT DUE	DUE DATE
\$8,039.08	Sep 19, 2012
AMOUNT PAYABLE AFTER SEP 28, 2012	ACCOUNT NUMBER
\$8,159.67	45800-05832

Amount Enclosed \$ _____

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

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



80600000 0045800058302 000008039080 000008039080

Keep This Portion For Your Records

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

BILL DATE	Sep 7, 2012
-----------	-------------

TOTAL AMOUNT DUE BY	Sep 19, 2012	\$8,039.08
WHICH MUST BE PAID AFTER	Sep 28, 2012	\$8,159.67

Payment Received on Aug 20, 2012

\$8,149.96

	METER NUMBER	SERVICE IN CHARGE FROM TO DAYS	PREVIOUS METER READING	PRESENT METER READING	DIFFERENCE	METER MULTIPLE FACTOR	THERMAL STORAGE	REMARKS
Total kWh	11673321	08/06-09/05 30	12359.0000	12975.0000	616.0000	160.0000		98560.0000A
Peak kW	11673321	08/06-09/05 30	0.0000	1.1800	1.1800	160.0000		188.8000A

SUMMARY				Service To	
Total kWh	09/05/2012	98560.0000	Peak kW	09/05/2012	188.8000
Billing Demand	09/05/2012	188.8000	Total Billing Demand	09/05/2012	188.8000

METERED ELECTRIC SERVICE BILLING

Rate 3M Large General Service		Service From 08/06/2012 To 09/05/2012	
Demand Charge	188.80 kW	@ \$4.34000000	\$819.39
Energy Charge/Hours Used	28,320.00 kWh	@ \$.09300000	\$2,633.76
Energy Charge/Hours Used	37,760.00 kWh	@ \$.07000000	\$2,643.20
Energy Charge/Hours Used	32,480.00 kWh	@ \$.04700000	\$1,526.56
Customer Charge			\$83.04
Fuel Adjustment Charge	98,560.00 kWh	@ \$.00288000	\$283.85
Energy Efficiency Pgm Charge	98,560.00 kWh	@ \$.00050000	\$49.28
Total Service Amount			\$8,039.08

Current Amount Due	\$8,039.08
Prior Amount Due	\$0.00
Total Amount Due	\$8,039.08

Seasonal Rate Change - Customer bills for the next eight months will reflect the lower winter costs for providing electric service. Look for ways to control your winter 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.

Learn about renewable energy credits from Pure Power at ameren.com/purepower.



Please Return This Portion With Your Payment.

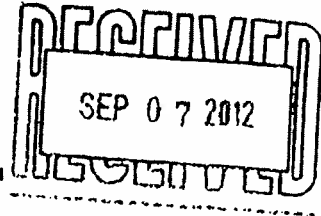
☐ Pure Power

AMOUNT DUE	DUE DATE
\$82.29	Sep 19, 2012
AMOUNT PAYABLE	ACCOUNT NUMBER
\$83.52	55800-05920

Amount Enclosed \$ _____

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

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



70633000 0055800059200 000000082290 000000082290

Keep This Portion For Your Records

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

DATE	Sep 7, 2012
------	-------------

TOTAL AMOUNT DUE BY	Sep 19, 2012	\$82.29
PAID BY WATER	Sep 28, 2012	\$83.52

Payment Received on Aug 20, 2012 \$253.74

TYPE OF READING	METER NUMBER	SERVICE MONTH	NO. OF DAYS	PREVIOUS METER READING	CURRENT METER READING	DIFFERENCE	METER MULTIPLIER	THERM. CORRECTION FACTOR	WATER USAGE
Total kWh	98041275	08/06-09/05	30	972.0000	1035.0000	63.0000	10.0000		630.0000A
Peak kW	98041275	08/06-09/05	30	0.0000	4.7690	4.7690	10.0000		47.6900A

Service To 09/05/2012 630.0000

METERED ELECTRIC SERVICE BILLING

Rate 2M Sm Gen Svc - 3 Ph w/Dmd Service From 08/06/2012 To 09/05/2012
Threshold - Peak Demand

Total Energy Charge	630.00 kWh	•	\$.09660000	\$60.86
Customer Charge				\$19.49
Fuel Adjustment Charge	630.00 kWh	•	\$.00288000	\$1.81
Energy Efficiency Pgm Charge	630.00 kWh	•	\$.00020000	\$0.13
Total Service Amount				\$82.29

Current Amount Due	\$82.29
Prior Amount Due	\$0.00
Total Amount Due	\$82.29

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.

Seasonal Rate Change - Customer bills for the next eight months will reflect the lower winter costs for providing electric service. Look for ways to control your winter 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.

Learn about renewable energy credits from Pure Power at ameren.com/purepower.

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: 5402

Invoice Date: 01-Sep-12

Customer No: 20220

Terms: 30 days

REFERENCE	DESCRIPTION	AMOUNT
	HSBC Business Solutions- 1 Invoice- 50%	\$114.75
	Roemer's Heavy Equipment & Truck Repair - 1 Invoice- 50%	\$60.64
TOTAL DUE		\$175.39

NORTHERN TOOL & EQUIPMENT

Account Number	Invoice Number	Total Due	Due Date	Amount Paid
7003-7059-2011-8987	26510359	\$229.50	08/31/2012	\$

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 17698
BALTIMORE MD 21297-1698

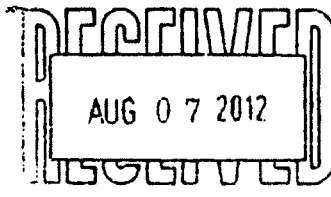


00022950000229500007003705920118987007839

PLEASE RETURN THE ABOVE PORTION WITH YOUR PAYMENT.



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



PAGE: 1 OF 1
PURCHASE DATE: 07/10/2012

INVOICE: 26510359

P.O. #: GARY
AUTHORIZED BUYER: 000000000012241856

SHIP TO: ALLIANCE WATER RESOURCES
3 ANDERSON RD
122129750390786603
LAKE OZARK MO 65049

Your account information is in your control when you register securely at www.hrscommercial.com

ITEM DESCRIPTION	QUANTITY	UNIT PRICE	DISCOUNT	EXTENDED	
				TOTAL	
147026 120V AC 1000LB PULLZA	1	\$199.99	\$0.00	\$199.99	
REPLACEMENT PLAN	1	\$14.99	\$0.00	\$14.99	
SUBTOTAL				\$214.98	
TAX				\$0.00	
SHIPPING/DELIVERY				\$14.52	
TOTAL INVOICE				\$229.50	

TDD/Hearing Impaired: 1-800-365-0186

As of July 31, 2012, the Northern Tool private label credit card program with Capital One, N.A. terminated. Accordingly, you will no longer be able to use your Capital One Northern Tool card for purchases. Please note that you will remain obligated to pay off any existing balance under the current terms of your Cardholder Agreement and Disclosure Statement. You will continue to receive billing statements from Capital One or HSBC and customer service assistance from Capital One until your account is paid in full.

GL Acct#: 6705-20 \$114.75 1220-20 \$114.75

Signature: *Ray H. Harkness*

Date: 8/7/12

NET TERMS = 30 DAYS
INVOICE PAYMENT DUE DATE: 08/31/2012

For billing errors or questions, please call 1-800-365-0519

965812

P. O. Box 191

Osage Beach, Mo. 65063

CUSTOMER'S ORDER NO. 316-8398		DEPARTMENT		DATE July-12-12	
NAME Alliance water resources inc.					
ADDRESS P.O. Box 1985					
CITY, STATE, ZIP Lake Zurich mo. 65049					
SOLD BY		CASH	C.O.D.	CHARGE	ONL ACCT
		MISC. RETD.		PAID OUT	

QUANTITY	DESCRIPTION	PRICE	AMOUNT
1	1684499C3 best Belt Am		121 28
2			
3			
4			
5			
6		Tax	9 37
7			130. 65
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			

PAID
AUG 06 2012
CASH

GL Acct#: 6702-20 \$70.01 1220-20 \$60.64
 Signature: [Signature]
 Date: 8/6/12

RECEIVED BY _____

KEEP THIS SLIP FOR REFERENCE

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ZERGER & MAUER LLP

1100 Main Street

Suite 2100

Kansas City, MO 64105 816/759-3300 Federal ID No. 27-5426971

STATEMENT

PRIVILEGED & CONFIDENTIAL

City of Osage Beach
 c/o Nancy Viselli
 1000 City Parkway
 Osage Beach, MO 65065

Account No. 1014.0002
 RE: Magruder

Statement Date: 08/29/2012
 Statement No. 1572
 Page No. 1

Fees

		Rate	Hours	
07/13/2012				
MLR	Communicate with opposing counsel regarding deposition dates for petitioners and Joint Sewer Board witnesses.	250.00	0.50	125.00
SEM	Review correspondence to R. Brownlee regarding no depositions on appeal; prepare notes regarding same; attorney conference regarding same; send same to T. Duggan, E. Rucker, N. Viselli and Mayor Lyons; work on list of witnesses; make arrangements for depositions and interview of Magruder witnesses.	280.00	1.50	420.00
07/16/2012				
MLR	Plan and prepare for deposition of Dean McDonald.	250.00	1.80	450.00
07/17/2012				
MLR	Plan and prepare for deposition of Dean McDonald.	250.00	4.30	1,075.00
EDC	Conference with M. L. Rayl regarding file and upcoming depositions.	160.00	0.20	32.00
07/18/2012				
MLR	Plan and prepare for deposition of Dean McDonald.	250.00	4.60	1,150.00
07/19/2012				
MLR	Review and analyze Missouri Blasting Safety Act; review and analyze expert reports prepared by Magruder's expert witnesses.	250.00	3.60	900.00
EDC	Prepare Sunshine Requests to Mo DNR regarding violations regarding Magruder Quarries and Division of Fire Safety for violations issued to Dyno Nobel; begin review of file in anticipation of retrial.	160.00	3.20	512.00

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

City of Osage Beach
Account No. 1014.0002
RE: Magruder

Statement Date: 08/29/2012
Statement No. 1572
Page No. 2

		Rate	Hours	
07/20/2012				
MLR	Communicate with expert witness D. Dressler regarding agreement to provide expert services; review and sign agreement provided. NO CHARGE	250.00		
MLR	Review and analyze documents related to evidence of pattern of non-compliance by Magruder at quarry sites across the state of Missouri; review and analyze decision of hearing officer at first hearing regarding same; review and analyze legal standard as set forth in the Missouri CSR regarding same.	250.00	2.50	625.00
MLR	Communicate with client regarding status of depositions and proposed witness meeting.	250.00	0.40	100.00
07/22/2012				
MLR	Review and analyze expert testimony presented at first hearing.	250.00	2.40	600.00
07/23/2012				
MLR	Review and analyze expert witness testimony and reports from prior hearing to prepare for upcoming depositions.	250.00	5.20	1,300.00
07/24/2012				
MLR	Communicate with client regarding scheduling of meeting with Joint Sewer Board Witnesses. NO CHARGE	250.00		
07/25/2012				
EDC	Review and organize file in anticipation of retrial; locate all exhibits used by parties in previous litigation; review of witness files.	160.00	2.50	400.00
07/26/2012				
MLR	Communicate with expert witness regarding deposition dates and materials to review; assemble materials in hard copy form for delivery to expert witness.	250.00	0.40	100.00
SEM	Review order regarding dismissal docket; prepare letter to E. Rucker, N. Viselli and Mayor Lyons regarding same; prepare change of address for the court; prepare letter to clerk of court regarding removal of case from dismissal docket; prepare letter to clerk of court regarding new filings; work on deposition issue; review correspondence regarding same.	280.00	5.00	1,400.00

City of Osage Beach
 Account No. 1014 0002
 RE: Magruder

Statement Date: 08/29/2012
 Statement No. 1572
 Page No. 3

		Rate	Hours	
	EDC	Review and organize file in anticipation of retrial; locate all exhibits used by parties in previous litigation; review of witness files; print and organize documents to send to expert Dressler and index of same.	160.00	3.70 592.00
07/27/2012	MLR	Draft and revise correspondence to opposing counsel regarding depositions.	250.00	1.30 325.00
	MLR	Research current whereabouts of witnesses designated by Magruder in order to obtain updated contact information and facilitate informal conversation.	250.00	0.50 125.00
	SEM	Correspondence with opposing counsel regarding depositions; prepare letter regarding hearing on same; prepare letter to A. Troutwine regarding same.	280.00	1.50 420.00
07/28/2012	MLR	Communicate with client to forward documents related to upcoming depositions of Osage Beach witnesses. NO CHARGE	250.00	
07/31/2012	SEM	Work on deposition scheduling; review letter from A. Troutwine; review correspondence from new counsel for Magruder; prepare letter to A. Troutwine regarding no depositions scheduled and no need to hold dates.	280.00	2.50 700.00
	EDC	Communication with Land Reclamation Office regarding Sunshine Request and documents they can provide.	160.00	0.30 48.00
		For Current Services Rendered	47.90	11,399.00

Expenses

07/02/2012	Postage	0.45
07/26/2012	Postage	1.35
07/26/2012	Postage	0.45
07/26/2012	Postage	1.10
07/26/2012	Photocopy charges	2.40
07/27/2012	Postage	1.80
07/27/2012	Photocopy charges	1.20
07/31/2012	Photocopy charges	0.80
	Total Expenses	9.55

Advances

07/26/2012	Courier fee	15 92
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City of Osage Beach
Account No. 1014.0002
RE: Magruder

Statement Date: 08/29/2012
Statement No. 1572
Page No. 4

07/31/2012	Outside professional fee - payable to Dept. of Natural Resources Land Reclamation Commission relating to cost for copying documents pursuant to Sunshine Law request	23.00
	Total Advances	38.92
	Total Current Work	11,447.47
	Previous Balance	\$2,515.70
	<u>Payments</u>	
08/20/2012	Payment	-2,515.70
	Balance Due	<u>\$11,447.47</u>

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Original forwarded to
Zenger + Mauer per
Ed Lucker 8/21/2012

STAPLES

0.00

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9.50 +

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Low prices. Every item. Every day.

3534 Highway 54

Lake Ozark, MO 65049

(573) 385-8943

SALE

1513673 3 002 04485

1178 08/17/12 03:42

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BY THIS STORE'S MANAGER!

Please take a short survey
and be entered into a monthly drawing
for a \$5,000 Staples gift card.
NO PURCHASE NECESSARY.

Log on to www.StaplesCares.com
or call 1-800-881-1723

Your survey code: 0101 0385 3286 7238

See store for rules.

Survey code expires 08/24/2012.

***Tome nuestra encuesta en Español en
la página de Internet o por telefono.

Consiga las reglas en la tienda.***

QTY SKU

PRICE

REWARDS NUMBER 4106525217

20 ENGINEERING-24X36

931481 3.590ea

71.80N

Your Rewards Price \$3.231

-7.18

SUBTOTAL

64.62

Tax Exempt Number 4106525217

TOTAL

\$64.62

MasterCard

64.62

Card No.: XXXXXXXXXXXX5108 [S]

Auth No.: 017208

Congratulations! You received special
pricing on this purchase because you are a
P.18

Osage Beach
Osage Beach, Missouri
650659998
2871440829 -0097
08/21/2012 (573)348-2915 02:33:29 PM

Product Description	Sale Qty	Unit Price	Final Price
KANSAS CITY MO 64105 Zone-2 Priority Mail 6 lb. 10.00 oz.			\$9.50
Issue PVI:			=====
			\$9.50

Total: \$9.50

Paid by:
MasterCard \$9.50
Account #: XXXXXXXXXXXX5106
Approval #: 021057
Transaction #: 38
23 903076511

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Clerk: 05

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office.



GERDING, KORTE & CHITWOOD

Professional Corporation • Certified Public Accountants

723 Main Street

Boonville, Missouri 65233

660-882-7000 FAX 660-882-7765

21691

08/28/12

LAKE OZARK - OSAGE BEACH
JOINT SEWER TREATMENT PROJECT
1000 CITY PARK WAY
OSAGE BEACH, MO 65065

We now accept Mastercard, Visa & Discover

FOR PROFESSIONAL SERVICES:

AUDIT OF FINANCIAL STATEMENTS FOR YEAR ENDING
DECEMBER 31, 2011.

TOTAL DUE \$ 1,700.00

C 21691

ACCOUNTS UNPAID AFTER 30 DAYS WILL BE SUBJECT TO A FINANCE CHARGE OF 1¼% PER MONTH.

Midwest Litigation Services
 An Affiliate of National Depo
 711 North 11th Street
 St. Louis, MO 63101
 Telephone: 314-644-2191 Fax: 314-644-1334

Bill To: Steven E Mauer
 Zerger Mauer LLP
 1100 Main Street
 Suite 2100
 Kansas City, MO 64105

Invoice #: STL157894
 Invoice Date: 08/20/2012
 Balance Due: \$ 602.00

Case #: 110903LRC

Case: Larry Stockman et al v. Department of Natural Resources et al
Job #: 120093 | **Job Date:** 8/7/2012 | **Delivery:** Normal
Billing Atty: Steven E Mauer
Location: Osage Beach City Hall
 1000 City Parkway | Osage Beach, MO 65065

Item	Witness	Description	Units	Qty	Price	Amount
1	Richard King Vol II	Transcript - copy/copies	Page	86.00	\$1.75	\$150.50
2	Penny Lyons Mayor Vol II	Shipping - Messenger service	1	1.00	\$10.00	\$10.00
3	Penny Lyons Mayor Vol II	Transcript and/or Exhibit Archive	1	1.00	\$7.50	\$7.50
4	Penny Lyons Mayor Vol II	Transcript - copy/copies	Page	52.00	\$1.75	\$91.00
5	Nicholas Edelman Pe Vol II	Transcript - copy/copies	Page	103.00	\$1.75	\$180.25
6	Michael Atkisson Vol II	Transcript - copy/copies	Page	46.00	\$1.75	\$80.50
7	Gary F Hutchcraft	Transcript - copy/copies	Page	47.00	\$1.75	\$82.25
Notes:					Invoice Total:	\$602.00
Fed. Tax ID: 20-3132569					Payment:	
Term: Due Upon Receipt					Credits:	
					Balance Due:	\$602.00

TERMS: Payable upon receipt. Accounts unpaid after 90 days agree to pay all collection costs, including reasonable attorney's fees.
 Contact us to correct payment errors. No adjustments or refunds will be made after 90 days.

Make check payable to: National Depo

☐ Visa ☐ MC ☐ Amex ☐ Discover ☐ Lock Box

Credit Card # _____ Exp. Date _____

SIGNATURE (AS IT APPEARS ON CREDIT CARD) _____

PRINT NAME (AS IT APPEARS ON CREDIT CARD) _____

DAYTIME PHONE _____

Invoice #: STL157894
 Job #: 120093
 Invoice Date: 08/20/2012
 Balance : \$ 602.00

Please remit payment to:
 National Depo
 P.O. Box 404743
 Atlanta, Ga 30384-4743

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

Account Number	Account Name	8/31/2012				2012 Actual as of 8/31/2012	2012 August Revenue	Percent YTD
		2010 Actual	2011 Actual	2012 Budget	2012 Actual			
3020	Osage Beach	407,036.02	399,428.80	401,800.00	266,382.06	34,001.06	66%	
3010	Lake Ozark	92,130.61	90,571.18	88,200.00	60,284.61	6,832.28	68%	
	Generator Grant			240,000.00	0.00		0%	
3100	Interest	136.11	804.37	400.00	436.32	7.63	109%	
3060	Waste Haulers' Fee	41,630.00	39,457.00	38,000.00	26,640.00	4,260.00	70%	
Total Operating Fund		540,932.74	530,261.35	768,400.00	353,742.99	45,100.97	46%	
E/R Fund Income		1,645.40	1,355.61	1,000.00	995.90	12.98	100%	
TOTAL INCOME		542,578.14	531,616.96	769,400.00	354,738.89	45,113.95	46%	

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**MONTH-TO-DATE AND YEAR-TO-DATE
EXPENDITURE/BUDGET ANALYSIS
8/31/2012**

Account Number	Account Name	2010 Actual	2011 Actual	2012 Budget	2012 Actual as of 8/31/2012	2012 August Expenses	Percent YTD
4000	Equipment Replace Fund	41,606.04	41,606.04	41,606.04	27,737.36	3,467.17	67%
4010	ERF Repayment	27,961.44	27,961.44	27,961.44	18,640.96	2,330.12	67%
4020	**Maintenance & Repair	15,611.62	46,319.94	95,500.00	47,120.06	508.36	49%
4140	Insurance	16,211.00	17,127.00	17,500.00	20,962.00	0.00	120%
4150	Vehicle Repair/Maint	2,660.05	2,835.38	7,000.00	5,032.25	0.00	72%
4160	Haulers Fees to Contractor	8,000.00	8,000.00	8,000.00	8,000.00	0.00	100%
4170	Contract Management	312,836.20	266,524.58	269,000.00	181,965.60	22,745.70	68%
4185	Electric	0.00	61,407.39	78,000.00	41,450.23	8,403.70	53%
4190	Miscellaneous	0.00	0.00	0.00	0.00	0.00	0%
4200	Audit	1,600.00	1,650.00	1,700.00	0.00	0.00	0%
4220	***Professional Service	24,828.71	19,298.33	30,000.00	20,932.44	2,515.70	70%
4240	*Capital Purchases	1,659.40	13,241.91	242,000.00	0.00	0.00	0%
4250	Equip Purchase Grant Match	0.00	0.00	60,000.00	0.00	0.00	0%
	Totals	452,974.46	505,972.01	878,267.48	371,840.90	39,970.75	42%
	**E/R Expenses	31,809.73	1,523.00	10,000.00	0.00	0.00	0%
	TOTAL EXPENSES	484,784.19	507,495.01	888,267.48	371,840.90	39,970.75	42%
	***Professional Services:						
	Normal/Magrunder Lawsuit		25,000.00				300,000.00
			<u>25,000.00</u>				<u>2,000.00</u>
							<u>302,000.00</u>
	**Maintenance & Repair						
	PAID 05/12 UV Spare Parts						5,000.00
	Replace Wooden dfrs w/ Fiberglass						2,000.00
	Auto Dialer Yearly Software Fee						500.00
	Rock for Road						2,000.00
	Normal Maintenance						6,000.00
	#1 Aeration Basin Main.						40,000.00
	#2 Clarifier Sandblast and Repaint						<u>40,000.00</u>
							<u>95,500.00</u>

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OPERATING FUND INCOME AND EXPENSE SUMMARY
8/31/2012

Beginning Balance	178,998.86
Income - Osage Beach	34,001.06
Income - Lake Ozark	6,832.28
Income - Other	0.00
Income - Waste Haulers' Fees	4,260.00
Interest - Checking	7.63
Income - CD Interest	0.00
Transfers From E/R Fund	0.00
Transfers to E/R fund	-5,797.29
Expenses	-31,657.76
Ending Fund Balance	186,644.78
NOW Account - Central Bank	85,590.42
CD First National Bank, 01/13 #000049153	101,054.36
Outstanding Checks:	0.00
Deposit in Transit:	0.00
	186,644.78

EQUIPMENT REPLACEMENT FUND INCOME AND EXPENSE SUMMARY
8/31/2012

Beginning Balance	285,034.37
Interest - Checking	12.98
Income - CD Interest	0.00
Transfers From E/R Fund	5,797.29
Transfers to E/R Fund	0.00
Income - Miscellaneous	0.00
Expenses	0.00
Ending Fund Balance	290,844.64
NOW Account - First Bank	102,505.43
CD First National Bank, 01/13 #000048178	112,946.02
CD Providence Bank, 1.05% 04/19/13	75,393.19
Deposit in Transit	0.00
Outstanding Checks:	0.00
	290,844.64

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**OPERATING FUND
BALANCE SHEET
8/31/2012**

		DEBITS	CREDITS
ASSETS	CASH AND INVESTMENTS	186,644.78	
ACCOUNTS PAYABLE	DUE TO E.R. FUND - BASIN		35,743.92
EQUITY	FUND BALANCE		150,900.86
TOTAL OPERATING FUND		186,644.78	186,644.78

**EQUIPMENT REPLACEMENT FUND
BALANCE SHEET
8/31/2012**

		DEBITS	CREDITS
ASSETS	CASH AND INVESTMENTS	290,844.64	
ACCOUNTS RECEIVABLE	DUE FROM OPERATING FUND - BASIN	35,743.92	
EQUITY	FUND BALANCE		326,588.56
TOTAL EQUIPMENT REPLACEMENT FUND		326,588.56	326,588.56

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Operating Fund

CHECK REGISTER - JOINT SEWER BOARD OPERATION FUND

				reconciled balance 4/30/12	103,019.19
3189	Alliance Water Resources, Inc.	X	22,745.70		80,273.49
3190	ER Fund Transfer	X	3,467.17		76,806.32
3191	ER Fund Loan Payment	X	2,330.12		74,476.20
3192	Alliance Water Resources, Inc.	X	1,740.00		72,736.20
3193	Alliance Water Resources, Inc.	X	163.54		72,572.66
3194	Zerger & Mauer	X	6,526.17		66,046.49
3196	Ameren UE	X	3,942.58		62,103.91
3197	Travelers	X	20,962.00		41,141.91
3198	Purcell	X	4,683.79		36,458.12
32199	UV Doctors	X	5,128.42		31,329.70
	Deposit	X		2,600.00	33,929.70
	Deposit	X		33,035.67	66,965.37
	Deposit	X		7,797.66	74,763.03
	Interest	X		9.18	74,772.21
	reconciled balance 5/31/12				74,772.21
3200	Alliance Water Resources, Inc.	X	22,745.70		52,026.51
3201	Ameren UE	X	7,119.68		44,906.83
3202	Alliance Water Resources, Inc.	X	1,300.00		43,606.83
3203	ER Fund Transfer	X	2,330.12		41,276.71
3204	ER Fund Loan Payment	X	3,467.17		37,809.54
3205	Alliance Water Resources, Inc.	X	293.94		37,515.60
3205	Zerger & Mauer	X	7,434.15		30,081.45
	Deposit	X		5,520.00	35,601.45
	Deposit	X		33,252.37	68,853.82
	Deposit	X		7,580.97	76,434.79
	Interest	X		6.61	76,441.40
	reconciled balance 6/30/12				76,441.40
3207	Alliance Water Resources, Inc.	X	22,745.70		53,695.70
3208	Ameren UE	X	8,430.87		45,264.83
3209	ER Fund Transfer	X	2,330.12		42,934.71
3210	ER Fund Loan Payment	X	3,467.17		39,467.54
3211	Alliance Water Resources, Inc.	X	1,180.00		38,287.54
3212	Alliance Water Resources, Inc.	X	71.39		38,216.15
3213	Zerger & Mauer	X	4,311.85		33,904.30
	Deposit	X		7,287.43	41,191.73
	Deposit	X		33,545.90	74,737.63
	Deposit	X		3,200.00	77,937.63
	Interest	X		6.87	77,944.50
	reconciled balance 7/31/12				77,944.50
3214	Alliance Water Resources, Inc.	X	8,403.70		69,540.80
3215	Ameren UE	X	22,745.70		46,795.10
3216	ER Fund Transfer	X	2,330.12		44,464.98
3217	ER Fund Loan Payment	X	3,467.17		40,997.81
3218	Lake Sun Leader	X	243.00		40,754.81
3219	Alliance Water Resources, Inc.	X	265.36		40,489.45
	Deposit	X		4,260.00	44,749.45
	Deposit	X		34,001.06	78,750.51
	Deposit	X		6,832.28	85,582.79
	Interest	X		7.63	85,590.42
	reconciled balance 8/31/12				85,590.42



Central Bank of Lake of the Ozarks

P.O. Box 4500, Jefferson City, MO 65102
(573) 348-2761 001918

Return Service Requested



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

Period 08/01/2012-08/31/2012 Page 1 of 2

Web Address
www.cbolobank.com

M 6

Your Financial Summary on August 31, 2012

Account Balances & Other Assets

Checking	\$ 85,590.42
Total	\$ 85,590.42

Detailed Explanation of Account Balances and Other Assets

Basic Plus Interest Checking

	Beginning Balance July 31, 2012	\$ 77,944.50
Deposits		
Aug. 13 Deposit		760.00
Aug. 15 Deposit		2,700.00
Aug. 16 Deposit		6,832.28
Aug. 16 Deposit		34,001.06
Aug. 24 Deposit		800.00
Aug. 31 Interest Earned		7.63
	Total	+\$ 45,100.97

Checks

Check No.	Date Paid	Amount	Check No.	Date Paid	Amount
3214	Aug. 20	8,403.70	3217	Aug. 27	3,467.17
3215	Aug. 23	22,745.70	3218	Aug. 27	243.00
3216	Aug. 27	2,330.12	3219	Aug. 23	265.36
	Total				-\$ 37,455.05
	Ending Balance August 31, 2012				\$ 85,590.42

Number of days since last statement/interest cycle 31
Beginning and ending dates for calculation of statement/interest cycle are 08/01/2012 through 08/31/2012
Average collected balance 90,100.00
Interest rate 0 10%
Annual percentage yield earned 0 10%

CHECK REGISTER - JOINT SEWER BOARD EQUIPMENT REPLACEMENT FUND

	reconciled balance 12/31/11			131,038.27
1001	Check	X	75,000.00	56,038.27
	Interest	X	17.41	56,055.68
	Deposit	X	5,797.29	61,852.97
	reconciled balance 1/31/12			61,852.97
	Interest	X	7.51	61,860.48
	Deposit	X	5,797.29	67,657.77
	reconciled balance 2/29/12			67,657.77
	Interest	X	8.53	67,666.30
	Deposit	X	5,797.29	73,463.59
	reconciled balance 3/31/12			73,463.59
	Interest	X	9.55	73,473.14
	Deposit	X	5,797.29	79,270.43
	reconciled balance 4/30/12			79,270.43
	Interest	X	10.36	79,280.79
	Deposit	X	5,797.29	85,078.08
	reconciled balance 5/31/12			85,078.08
	Interest	X	10.26	85,088.34
	Deposit	X	5,797.29	90,885.63
	reconciled balance 6/30/12			90,885.63
	Interest	X	12.24	90,897.87
	Deposit	X	5,797.29	96,695.16
	reconciled balance 7/31/12			96,695.16
	Interest	X	12.98	96,708.14
	Deposit	X	5,797.29	102,505.43
	reconciled balance 8/31/12			102,505.43



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

536 00010 26
ACCOUNT:
DOCUMENTS:

PAGE: 1
08/31/2012

99

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

THANK YOU FOR BANKING

BUSINESS MMDA ACCOUNT

LAST STATEMENT 07/31/12 96,695.16
2 CREDITS 5,810.27
DEBITS .00
THIS STATEMENT 08/31/12 102,505.43

REF #.....DATE.....AMOUNT REF #.....DATE.....AMOUNT REF #.....DATE.....AMOUNT
08/24 5,797.29

DESCRIPTION DATE AMOUNT
INTEREST 08/31 12.98

AVERAGE LEDGER BALANCE: 98,191.23 INTEREST EARNED: 12.98
AVERAGE AVAILABLE BALANCE: 97,443.19 DAYS IN PERIOD: 31
INTEREST PAID THIS PERIOD: 12.98 ANNUAL PERCENTAGE YIELD EARNED: .16%
INTEREST PAID 2012: 88.84

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



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WATER RESOURCES®
Alliance
Professional Water and Wastewater Operations

**OPERATING
DIVISIONS**

MISSOURI

Bonne Terre

Bowling Green

Buchanan County #1

Cameron

Cape Girardeau

East Central Missouri
Water & Sewer
Authority

Elisberry

Franklin County #1

Franklin County #3

Henry County
Water Company

Henry County #3

Lake Ozark/
Osage Beach

Lincoln County #1

Nevada

Parkville

Phelps County #2

Platte County #C-1

Proctor & Gamble

Ralls County #1

Russellville

Sedalia

St. Charles County #2

St. Genevieve

Versailles

IOWA

Maquoketa

Tipton

REPORT OF OPERATIONS

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

Month of August 2012

Submitted by Alliance Water Resources, Inc. for the

September 2012

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	1.2	0.9	NA	< 20
Peak Day	1.4	1.4	8.0	< 20
Percent Removal	99.5	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 1.510 MGD or 50% of Permitted flow with Lake Ozark contributing 16% of the total flow and Osage Beach contributing 84%. 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 97105 pounds of BOD.

BIOSOLIDS APPLICATION AND INVENTORY

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

350,641 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 256,250 gallons with a level of 2.5 feet in Tank 1 and 2.5 feet in Tank 2.

WASTEHAULERS

The plant received 43 loads of septage during the month totaling 106,500 gallons.

WWTP OPERATIONS

- Decanting digesters and wasting weekly.
- Normal operations.
- We were able to shut down one aerator in each ditch all month, except on weekends when the flows were up.

WWTP MAINTENANCE AND REPAIR

- Performed routine maintenance throughout the month as per Antero Maintenance Data Management schedule. (New version of Operator 10 Software)
- We changed out 7 UV bulbs and a lamp cord on the 1st. The cord was an overlook from when the turtle got into the wires and 3 of the bulbs were still under warranty and the other 4 were old Wedeco bulbs that had over 10,000 hrs. on them and out of warranty.
- Our Honeywell Data recorder that records all the flow data went down on the 20th. We called Vandevanter Engineering, the vendor we purchased it from and they came out on the 21st and couldn't do anything to it themselves, so they had to send it back to the Manufacturer to see if was repairable and have not heard anything yet.
- We changed out 2 more UV bulbs on the 21st, which were old Wedeco bulbs with over 10,000 hrs. on them and out of warranty.

SAFETY

- We conducted our monthly routine Safety Meeting on CPR, First Aid and Bloodborne Pathogens on the 13th of August.

REGULATORY AGENCY, INSPECTION AND REPORTS

- Mailed DMR to MDNR on the 7th of September.
- We received our 3rd Quarter 503 sludge test results on the 13th and everything looked good. (see attachment)

MISCELLANEOUS AND RECOMMENDATIONS

TABLE A
LAKE OZARK/OSAGE BEACH WWTP

MONTH OF August 2012

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-Aug		0.251	1.362	1.613	15.6	84.4						
2-Aug		0.252	1.356	1.608	15.7	84.3						
3-Aug		0.275	1.490	1.765	15.6	84.4	188	183	205	202	176	216
4-Aug	0.05	0.310	1.723	2.033	15.2	84.8						
5-Aug	0.1	0.357	1.810	2.167	16.5	83.5						
6-Aug		0.308	1.593	1.901	16.2	83.8						
7-Aug		0.244	1.271	1.515	16.1	83.9						
8-Aug		0.236	1.214	1.450	16.3	83.7						
9-Aug	0.75	0.231	1.275	1.506	15.3	84.7						
10-Aug		0.255	1.311	1.566	16.3	83.7	155	210	225	194	258	282
11-Aug		0.290	1.445	1.735	16.7	83.3						
12-Aug		0.388	1.809	2.197	17.7	82.3						
13-Aug		0.260	1.200	1.460	17.8	82.2						
14-Aug		0.249	1.183	1.432	17.4	82.6						
15-Aug		0.221	1.102	1.323	16.7	83.3						
16-Aug		0.227	1.052	1.279	17.7	82.3						
17-Aug	0.05	0.215	1.135	1.350	15.9	84.1	165	283	268	148	300	308
18-Aug		0.247	1.192	1.439	17.2	82.8						
19-Aug		0.287	1.268	1.555	18.5	81.5						
20-Aug		0.255	1.174	1.429	17.8	82.2						
21-Aug		0.180	1.001	1.181	15.2	84.8						
22-Aug		0.180	0.986	1.166	15.4	84.6						
23-Aug		0.180	0.984	1.164	15.5	84.5						
24-Aug		0.197	1.142	1.339	14.7	85.3	263	185	263	272	198	228
25-Aug		0.224	1.227	1.451	15.4	84.6						
26-Aug		0.264	1.365	1.629	16.2	83.8						
27-Aug		0.240	1.326	1.566	15.3	84.7						
28-Aug		0.191	1.100	1.291	14.8	85.2						
29-Aug		0.185	1.022	1.207	15.3	84.7						
30-Aug		0.182	0.982	1.164	15.6	84.4						
31-Aug		0.190	1.127	1.317	14.4	85.6	228	270	283	148	304	318
SUM	1.0	7.571	39.227	46.798								
AVG		0.244	1.265	1.510	16	84	200	226	249	193	247	270
NOTE: BOLD PRINT INDICATES WEEKEND DAYS												

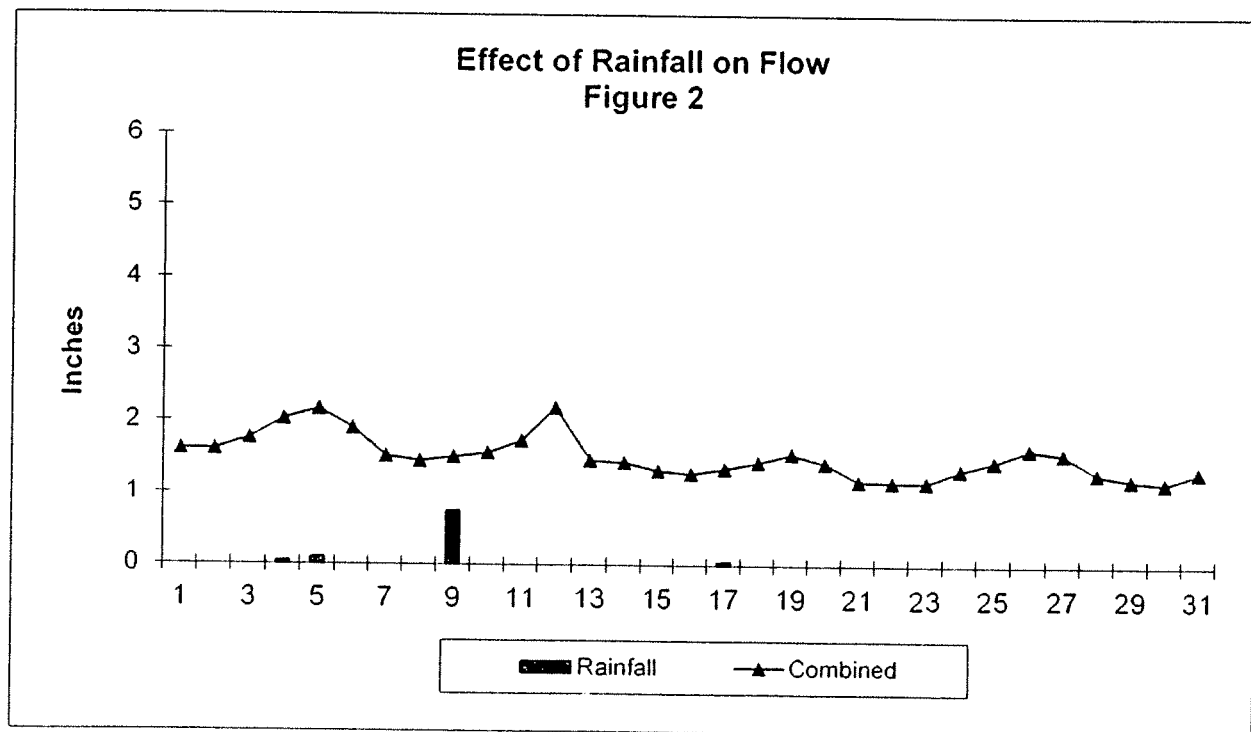
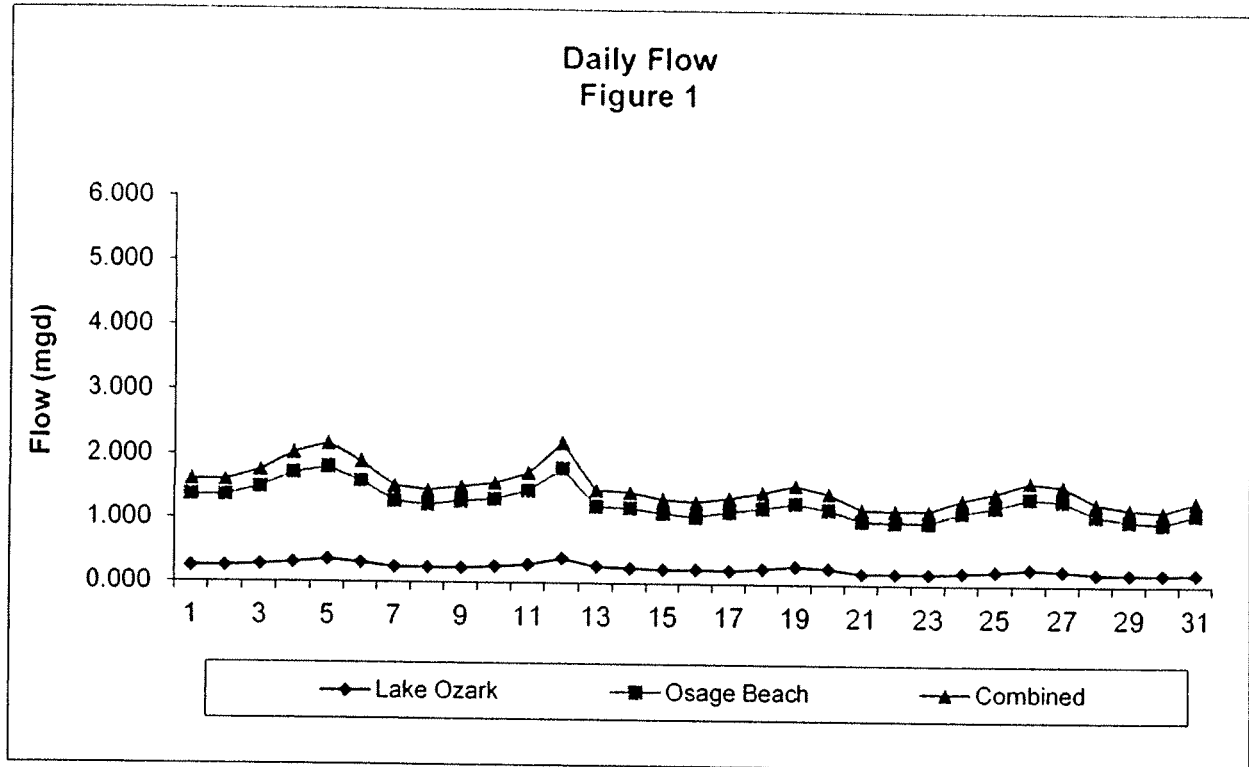
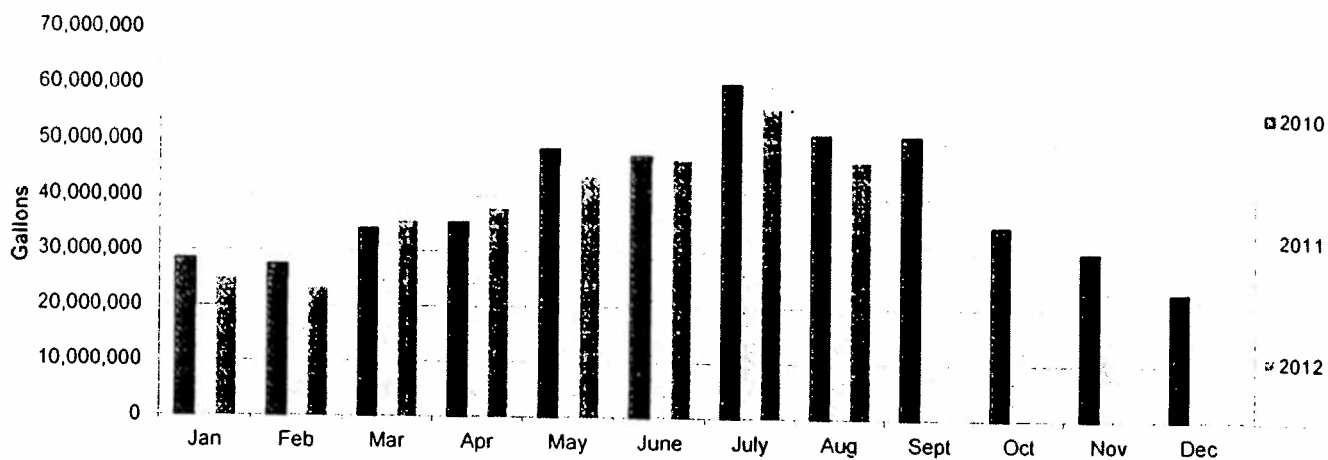


TABLE B
JOINT SEWER BOARD

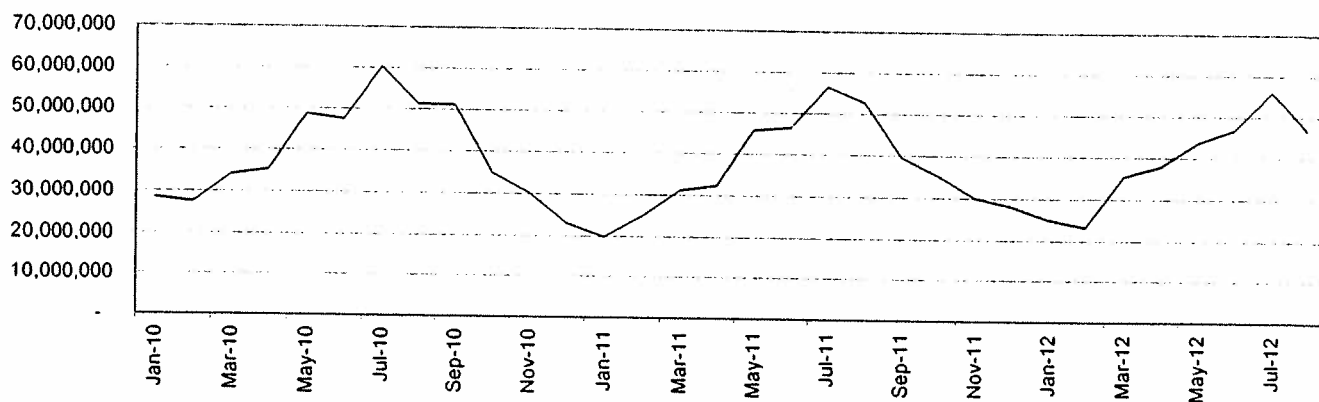
Monthly Flows

<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	4.4	38,748,000	83%	7,821,000	17%	46,569,000	100%
July	0.3	47,316,000	84%	9,297,000	16%	56,613,000	100%
August	6.5	44,175,000	84%	8,704,000	16%	52,879,000	100%
September	2.7	32,672,000	82%	6,999,000	18%	39,671,000	100%
October	2.3	28,932,000	82%	6,388,000	18%	35,320,000	100%
November	5.6	24,495,000	81%	5,589,000	19%	30,084,000	100%
December	3.5	22,789,000	81%	5,298,000	19%	28,087,000	100%
	52.1	363,070,000	81%	75,087,000	19%	443,455,000	100%
<u>2012</u>	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	0.7	20,401,000	82%	4,577,000	18%	24,978,000	100%
February	2.4	18,682,000	80%	4,563,000	20%	23,245,000	100%
March	6.3	28,720,000	81%	6,779,000	19%	35,499,000	100%
April	8.0	30,919,000	81%	7,049,000	19%	37,968,000	100%
May	1.6	35,910,000	82%	7,801,000	18%	43,711,000	100%
June	1.4	39,021,000	83%	7,841,000	17%	46,862,000	100%
July	1.4	46,676,000	83%	9,443,000	17%	56,119,000	100%
August	1.0	39,227,000	84%	7,571,000	16%	46,798,000	100%
September							
October							
November							
December							
	22.7	259,556,000	82%	55,624,000	18%	315,180,000	100%

Monthly Influent Flow
Figure 3A

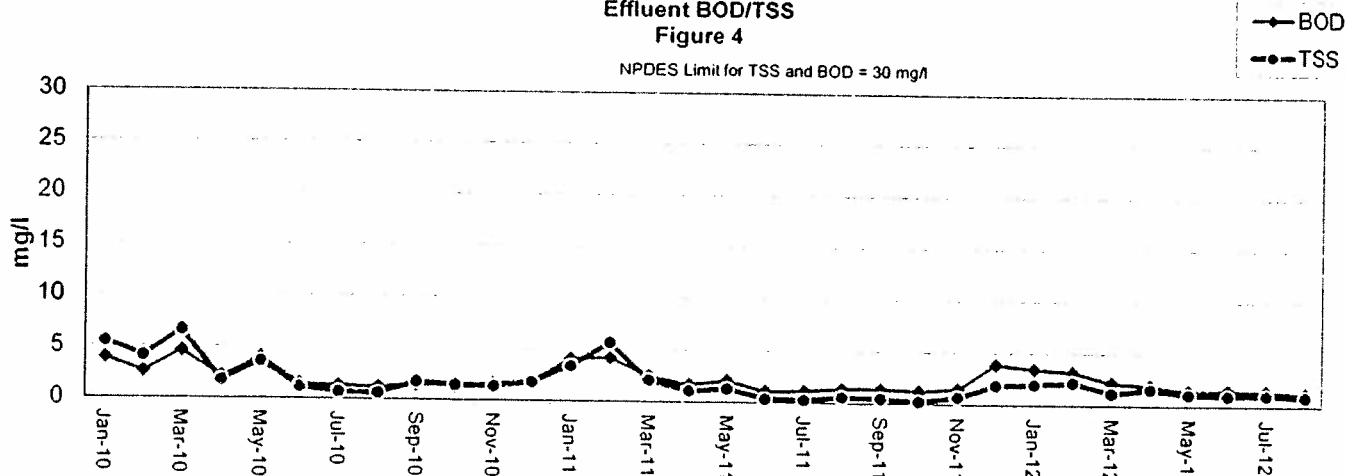


Monthly Influent Flow
Figure 3B

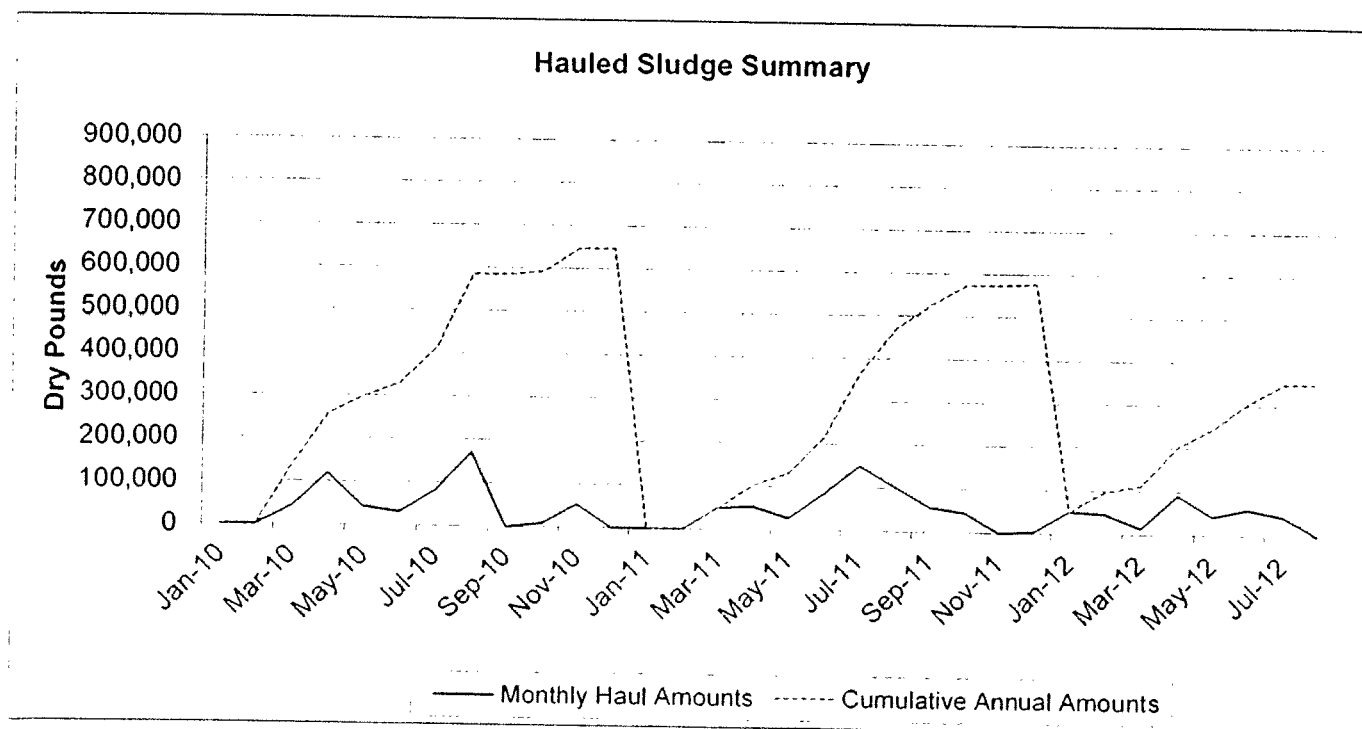
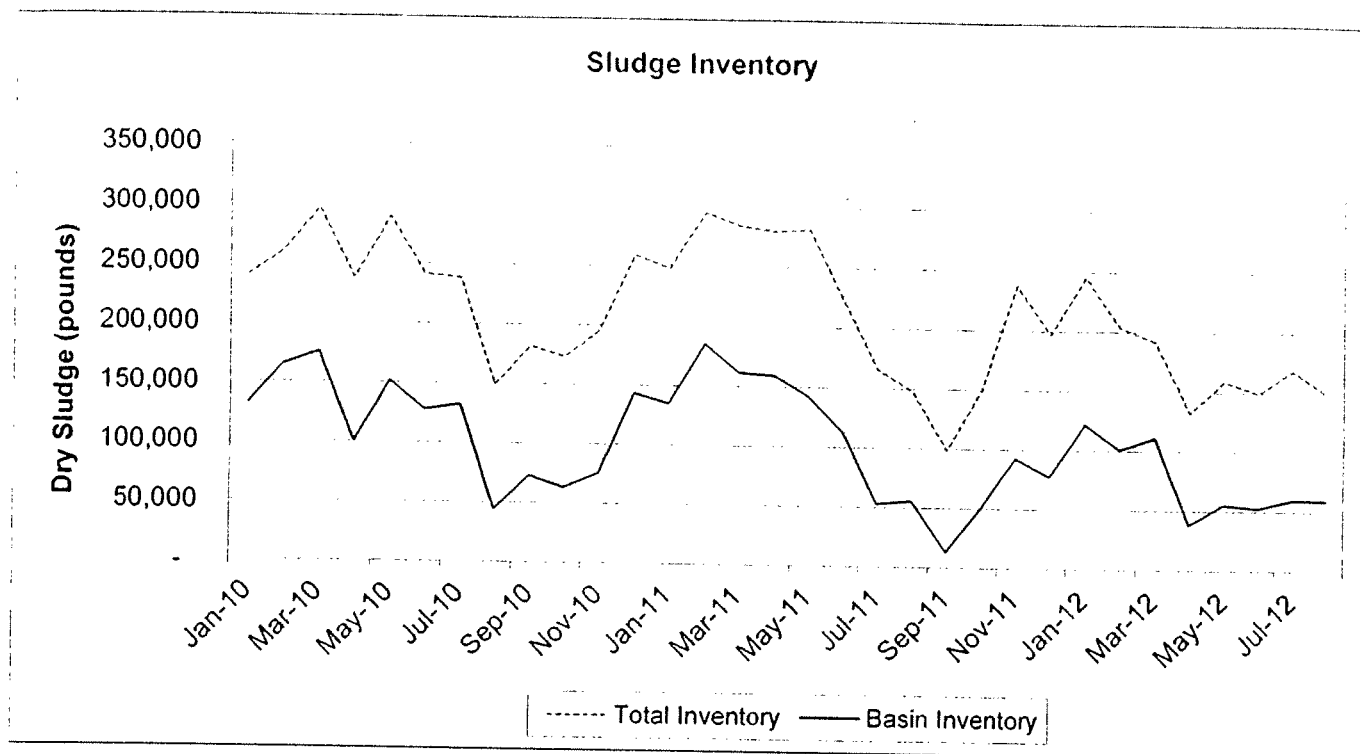


Effluent BOD/TSS
Figure 4

NPDES Limit for TSS and BOD = 30 mg/l



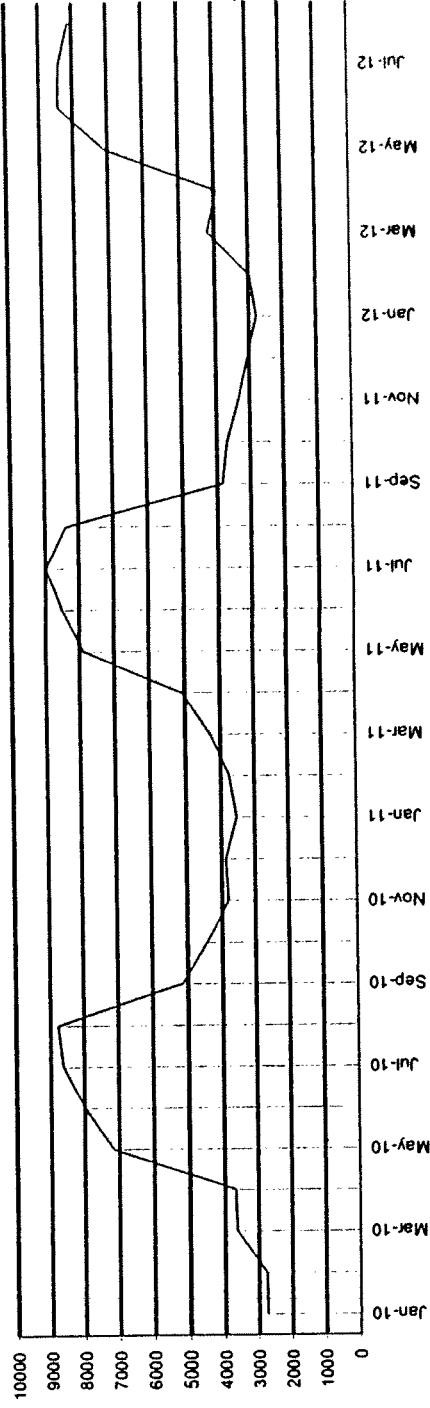
Date	Loads	Gallons	Hauled Sludge		Annual Cumulative # Dry	Basin Depths				Blanket Depths				MLSS Inventory		Blanket and MLSS Inventory		MLSS % Solids	Total Dry Sludge Inventory	Accepted Septage Loads	Gallons
			# Dry	% Solids		Tank #1	Tank #2	AB #1	AB #2	AB #3	AB #4	MLSS AB #1	MLSS AB #2	Clar #1	Clar #2	Clar #3	MLSS AB #1				
Jan-10	0	-	0	4.4%	-	5.0	3.0	0.0	360,000	132,106	1.0	1.0	0.0	3,640	3,635,524	107,637	0.00355	239,743	20	50,500	
Feb-10	0	-	0	4.4%	-	5.0	5.0	0.0	450,000	185,132	2.0	1.0	0.0	3,310	3,653,286	94,757	0.00311	259,889	35	93,000	
Mar-10	37	136,900	42,900	3.7%	136,900	7.0	5.5	0.0	562,500	175,858	1.0	1.0	1.5	3,940	3,890,904	120,251	0.00392	296,109	13	33,000	
Apr-10	101	373,700	119,328	3.8%	256,228	6.0	1.0	0.0	315,000	100,584	1.0	1.5	2.0	4,440	3,731,261	137,234	0.00441	237,818	48	124,000	
May-10	31	114,700	43,047	4.5%	299,275	6.0	3.0	0.0	405,000	151,997	1.5	4.5	2.0	3,930	3,793,428	137,305	0.00434	289,302	48	126,000	
Jun-10	30	111,000	31,506	3.4%	330,781	7.0	3.0	0.0	450,000	127,727	1.0	1.0	1.0	3,770	3,678,952	113,832	0.00371	241,559	60	157,500	
Jul-10	68	251,600	82,206	3.9%	412,987	8.0	1.0	0.0	405,000	132,327	1.0	2.0	1.0	3,650	3,696,714	106,366	0.00345	238,692	22	52,000	
Aug-10	141	521,700	171,540	3.9%	584,527	3.0	0.0	0.0	135,000	44,389	2.5	1.5	1.0	3,250	3,714,476	104,708	0.00338	149,097	96	252,000	
Sep-10	0	-	0	3.9%	584,527	2.5	2.5	0.0	225,000	73,184	2.0	2.0	1.0	3,300	3,750,416	109,045	0.00352	182,279	18	46,500	
Oct-10	9	33,300	8,517	3.1%	593,044	4.0	1.5	0.0	247,500	63,302	1.0	0.0	2.0	3,480	3,704,618	110,301	0.00357	173,603	26	65,000	
Nov-10	39	144,300	54,084	4.5%	647,138	4.5	0.0	0.0	202,500	75,912	1.5	2.5	1.5	4,050	3,726,190	119,654	0.00384	195,589	16	38,000	
Dec-10	0	-	0	4.5%	647,138	4.5	4.0	0.0	362,500	143,552	2.0	2.0	0.0	3,700	3,671,048	116,037	0.00379	239,589	24	56,500	
Jan-11	0	-	0	4.5%	-	5.5	2.5	0.0	360,000	135,108	1.0	2.0	0.0	3,520	3,653,286	113,495	0.00373	248,603	19	45,000	
Feb-11	0	-	0	4.5%	-	6.0	5.0	0.0	485,000	185,774	2.5	2.0	0.0	3,580	3,679,929	109,872	0.00358	295,646	6	15,000	
Mar-11	43	159,100	49,803	3.8%	49,803	7.5	4.0	0.0	517,500	161,993	1.0	1.0	0.5	4,100	3,657,238	122,615	0.00402	284,608	25	59,000	
Apr-11	45	166,500	53,692	3.9%	103,495	7.0	4.0	0.0	495,000	159,625	2.0	3.0	2.0	3,130	3,775,666	120,761	0.00384	280,365	27	70,300	
May-11	24	88,900	28,051	3.8%	131,546	5.5	4.5	0.0	450,000	142,150	2.0	2.5	2.5	4,960	3,779,618	139,958	0.00444	282,108	39	101,500	
Jun-11	78	288,600	85,043	3.5%	216,589	3.5	5.0	0.0	382,500	112,713	3.0	3.0	2.0	3,500	3,775,666	111,156	0.00353	223,869	36	96,000	
Jul-11	138	510,600	150,712	3.7%	367,301	4.0	0.0	0.0	180,000	53,130	1.5	2.5	1.0	3,740	3,714,476	112,917	0.00365	166,047	51	127,500	
Aug-11	91	336,700	103,837	3.7%	471,138	2.0	2.0	0.0	180,000	55,511	2.0	2.0	1.5	2,840	3,736,190	92,700	0.00298	148,212	47	118,500	
Sep-11	52	192,400	57,488	3.6%	528,626	0.0	1.0	0.0	45,000	13,448	2.5	2.5	2.5	2,530	3,753,952	85,001	0.00272	98,447	68	175,000	
Oct-11	33	122,100	45,361	4.5%	573,987	0.0	3.0	0.0	135,000	50,153	2.0	2.5	1.0	3,470	3,723,357	99,524	0.00321	149,678	17	42,500	
Nov-11	0	-	0	4.5%	573,987	3.0	2.5	0.0	247,500	92,887	2.0	3.0	2.0	4,610	3,775,686	145,165	0.00461	238,051	18	45,500	
Dec-11	5	18,500	3,549	2.3%	577,536	6.0	3.0	0.0	405,000	77,694	3.0	4.0	0.0	3,850	3,724,324	119,585	0.00385	197,279	15	37,500	
Jan-12	46	170,200	51,317	3.6%	51,317	5.5	3.5	0.0	405,000	122,112	2.0	1.5	0.0	4,060	3,682,187	124,002	0.00406	246,114	18	43,500	
Feb-12	42	155,400	46,472	3.6%	97,789	4.5	3.0	0.0	337,500	100,929	1.0	1.0	0.0	3,880	3,635,524	102,483	0.00338	203,411	17	42,500	
Mar-12	12	44,400	14,627	4.0%	112,416	5.5	2.0	0.0	337,500	111,185	2.0	2.0	1.5	2,890	3,736,190	81,016	0.00297	132,264	39	103,500	
Apr-12	86	318,200	90,939	3.4%	203,355	2.0	1.0	0.0	135,000	38,582	2.0	2.5	2.5	2,870	3,780,499	93,682	0.00297	132,264	37	96,500	
May-12	47	173,900	42,646	2.9%	246,001	3.0	2.0	0.0	225,000	55,177	2.0	2.0	2.0	3,070	3,757,904	104,365	0.00333	159,543	26	65,000	
Jun-12	56	207,200	60,513	3.5%	306,514	1.0	3.0	0.0	180,000	52,589	1.0	3.0	1.0	3,560	3,714,476	96,809	0.00313	149,378	55	138,000	
Jul-12	45	166,500	44,127	3.2%	350,641	5.0	0.0	0.0	225,000	59,631	2.0	1.5	1.0	3,650	3,705,595	108,093	0.00353	168,725	36	90,000	
Aug-12	0	-	0	0.0%	350,641	2.5	2.5	0.0	225,000	59,631	2.0	2.0	1.5	3,440	3,718,428	90,399	0.00292	150,030	36	90,000	



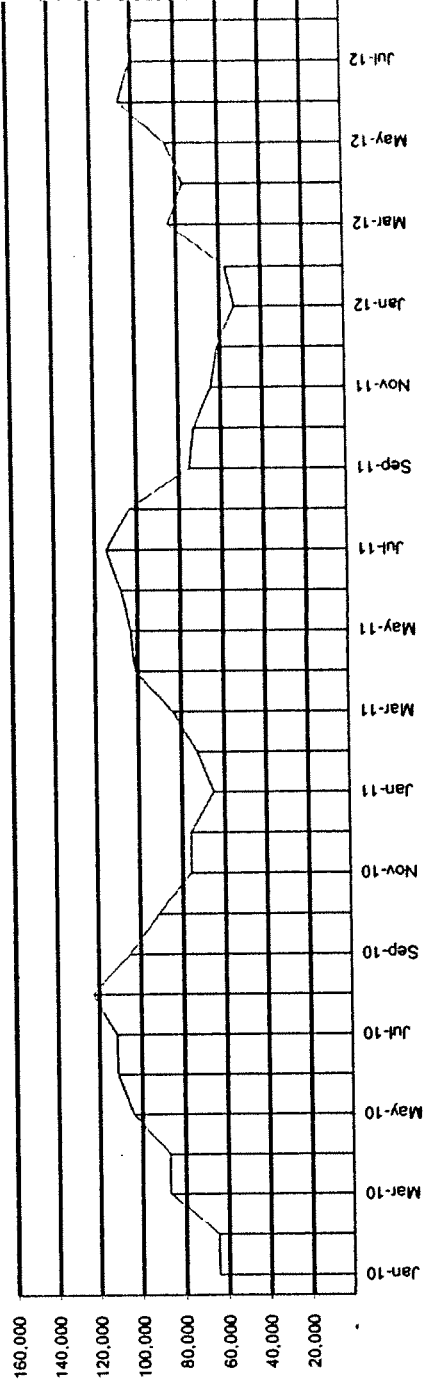
Electric Cost

Month Electric Cost Kilowatts Used

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
Mar-11	4309	84,045
Apr-11	5092	101,440
May-11	7876	103,396
Jun-11	8505	108,021
Jul-11	8983	114,906
Aug-11	8382	103,698
Sep-11	3848	75,430
Oct-11	3697	73,005
Nov-11	3345	64,695
Dec-11	3064	61,670
Jan-12	2784	53,291
Feb-12	2962	57,492
Mar-12	4200	83,720
Apr-12	3943	76,650
May-12	7120	84,700
Jun-12	8431	106,650
Jul-12	8404	100,910
Aug-12	8121	99,190



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							
Aug-12		MO-0103241				#001		Oxidation Ditch/UV/Sludge Holding-sludge is land applied							
INFLUENT					EFFLUENT									% Removal	
DATE	pH UNITS	BOD mg/L	TSS mg/L	TEMP °C	FLOW MGD	pH UNITS	BOD mg/L	TSS mg/L	Ammonia as N mg/l	DO mg/L	E. coli COLFRM #/100 ML	TEMP °C	BOD mg/L	TSS mg/L	
1	7.4			25.4	1.721	8.0				5.5		25.1			
2	7.3			25.8	1.676	8.0			0.1	5.1		25.4			
3	7.3	205	216	25.1	1.853	7.9	1.0	0.6		5.1		25.7	99.5	99.7	
4	7.2			25.6	2.008	8.0				4.8		25.3			
5	7.2			26.1	2.263	7.9				4.0		26.1			
6	7.3			25.2	2.057	8.0				4.6	<20	24.7			
7	7.3			24.7	1.642	8.0				5.3		23.9			
8	7.4			24.7	1.487	7.9			0.07	5.0		23.7			
9	7.4			25.4	1.703	7.7				4.4		24.6			
10	7.2	225	282	25.8	1.601	7.8	1.1	0.4		5.6		24.6	99.5	99.9	
11	7.3			24.7	1.915	7.8				5.7		23.1			
12	7.4			25.1	2.294	7.9				5.9		23.5			
13	7.2			25.1	1.590	7.8				5.3	<20	23.3			
14	7.3			24.5	1.590	7.7				5.9		22.6			
15	7.3			24	1.400	7.8				5.9		22.5			
16	7.3			25.1	1.433	7.8			0.2	5.9		23.6			
17	7.1	268	308	24.7	1.462	7.8	1.0	0.6		5.7		23.7	99.6	99.8	
18	7.1			24.1	1.407	7.9				6.0		22.9			
19	7.1			24.7	1.669	7.8				5.9		22.9			
20	7.1			24.3	1.533	8.0				6.3	<20	22.9			
21	7.1			23.2	1.215	7.8				5.7		20.7			
22	7.1			23.6	1.265	7.9				6.3		21.2			
23	7.3			24.1	1.164	7.7			0.05	5.5		22.4			
24	7.3	263	228	24.7	1.497	7.7	1.4	1.4		4.8		22.6	99.5	99.4	
25	7.4			23.7	1.457	7.8				5.2		22.8			
26	7.5			24.7	1.861	7.7				4.9		23.6			
27	7.4			24.7	1.690	7.7				4.7	<20	23.9			
28	7.4			24.3	1.451	7.7				4.7		23.6			
29	7.3			24.5	1.276	7.7				4.9		23.8			
30	7.3			23.9	1.305	7.7			0.04	4.7		23.2			
31	7.3	283	318	23.5	1.405	7.7	1.3	1.4		4.7		23.1	99.5	99.6	
Total					49.890										
Avg		249	270	25	1.609		1.2	0.9	0.09	5.3	<20	23.6	99.5	99.7	
Min	7.1	205	216	23	1.164	7.7	1.0	0.4	0.04	4.0	<20	20.7	99.5	99.4	
Max	7.5	283	318	26	2.294	8.0	1.4	1.4	0.20	6.3	<20	26.1	99.6	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	<5.0		
7			
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	< 5.0	0.00	0.00
Min	< 5.0	0.00	0.00
Max	< 5.0	0.00	0.00

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

DATE	SLUDGE DISP. LBS. DRY WEIGHT	#1 Aeration Basin, O-Ditch, Etc.				#2 Aeration Basin, O-Ditch, Etc.				*Weather Conditions		
		MIXED LIQUOR				MIXED LIQUOR				*Outside * Ambient Temp ° F	*RAIN inches	Time
		* DO mg/l	** MLSS mg/l	*Settleability		* DO mg/l	** MLSS mg/l	*Settleability				
				*30 min ml	Temp ° C			*30 min ml	Temp ° C			
1		1.0	3,360	600	25.2	1	3,680	720	25	76		7:30
2		0.8	3,470	600	25.6	0.9	3,710	640	25.5	78		7:30
3		0.9	3,200	530	25.4	1.1	4,350	760	25.4	72		7:30
4		0.9	3,920	590	25.1	2.3	3,800	600	25	72	0.05	7:30
5		0.9	3,650	550	26	0.8	3,850	660	26	74	0.1	7:30
6		1.7	3,770	630	24	2.3	3,810	660	23.8	65		7:30
7		2.4	3,520	600	23.2	2.7	3,710	680	23.4	70		7:30
8		1.3	3,620	570	23.4	1.3	3,460	600	23.7	70		7:30
9		1.1	2,950	530	24.7	1.2	3,210	590	24.6	69	0.75	7:30
10		1.8	3,210	540	24.5	2.5	3,150	590	24.5	66		7:30
11		3.6	3,130	560	22.9	4	3,170	500	23	59		7:30
12		2.8	2,960	450	23.2	2.3	2,580	410	23.4	65		7:30
13		1.3	3,340	570	23.1	1.2	3,550	650	23.4	70		7:30
14		1.3	4,080	740	22.4	3.1	2,910	490	22.5	62		7:30
15		3.7	2,580	500	22.4	4.3	3,270	500	22.4	60		7:30
16		1.2	3,510	580	23.9	2.2	3,070	520	23.7	74		7:30
17		1.0	3,640	550	23.5	2	3,290	460	23.5	63	0.05	7:30
18		4.2	3,710	540	22.3	4.2	3,260	420	22.2	55		7:30
19		2.6	3,680	570	22.7	3.8	3,000	390	22.6	61		7:30
20		1.0	3,840	580	22.5	2	2,960	420	22.4	59		7:30
21		1.5	3,460	500	20.9	3.4	2,900	380	20.9	59		7:30
22		2.5	3,610	470	20.9	3.9	2,930	380	21.1	59		7:30
23		1.2	3,250	400	22.4	3	3,240	440	22.1	64		7:30
24		1.1	2,970	370	22.8	1.3	2,970	410	22.5	67		7:30
25		2.8	3,390	340	22.6	3.3	3,000	340	22.6	68		7:30
26		2.5	3,480	370	23.7	3.8	2,690	270	23.8	73		7:30
27		1.7	3,700	390	23.9	2.8	2,360	260	23.9	71		7:30
28		1.1	2,930	330	23.4	1.6	2,910	280	23.4	64		7:30
29		1.1	3,310	300	23.5	1.5	2,400	240	23.5	65		7:30
30		1.1	3,360	280	23	2.2	2,700	250	23.1	64		7:30
31		1.9	3,440	280	23.4	1.9	2,390	240	23.5	74		7:30
COMMENTS:												

COMMENTS:

TESTS PERFORMED BY (PRINT) Frank Hendricks	SIGNATURE <i>Frank Hendricks</i>	PHONE # (573)365-0455	DATE 9/6/2012
REPORT APPROVED BY (PRINT) Gary Hutchcraft	SIGNATURE <i>Gary Hutchcraft</i>	PHONE # (573)365-0455	DATE 9/6/2012

*Required Daily (Monday -Friday)

**Required 1/week

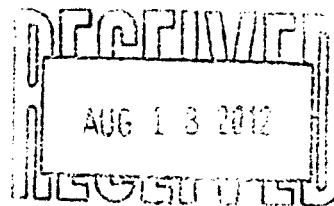
STATION NO. 1		TREATMENT UNIT										DISCHARGE										TOTAL									
STATION NO.	INLET	INLET		INLET		INLET		INLET		INLET		OUTLET		OUTLET		OUTLET		OUTLET		OUTLET		OUTLET		TOTAL		TOTAL		TOTAL			
		Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q		
179	7.7	1	3.680	720	196	7.69	1	2	2.5	1	1.721	7.98	5.5	25.1																	
173	7.69	0.8	3.710	640	173	7.69	0.9	3	3	1.5	1.676	7.96	5.1	0.1	25.4																
166	7.68	0.9	4.350	760	175	7.7	1.1	3	2	2.5	1.853	7.91	1.0	0.6	5.1																
151	7.68	0.9	3.800	600	158	7.71	2.3	2.5	2	2	2.008	7.95	4.8	25.3																	
151	7.68	0.9	3.850	660	171	7.67	0.8	2	2	2	2.263	7.9	4	26.1																	
167	7.71	1.7	3.810	660	173	7.74	2.3	3	3	2.5	2.057	7.95	4.6	24.7	<20	<5.0															
170	7.72	2.4	3.710	680	183	7.76	2.7	1	1	0.5	1.642	8	5.3	23.9																	
157	7.66	1.3	3.460	600	173	7.67	1.3	2	1	1	1.487	7.88	5	0.07	23.7																
180	7.56	1.1	3.210	590	184	7.5	1.2	2	2.5	4	1.703	7.74	4.4	24.6																	
168	7.54	1.8	3.150	590	187	7.52	2.5	2	1	1	1.601	7.76	1.1	0.4	5.6																
179	7.61	3.6	3.170	500	158	7.63	4	1.5	3	1.5	1.915	7.82	5.7	23.1																	
152	7.66	1.8	2.580	410	159	7.63	2.3	2	2.5	1	2.294	7.87	5.9	23.5																	
183	7.47	1.3	3.550	650	183	7.47	1.2	2.5	2.5	0.5	1.590	7.75	5.3	23.3	<20																
181	7.49	1.5	2.910	490	168	7.56	3.1	1	2	1.5	1.590	7.74	5.9	22.6																	
139	7.54	3.7	3.270	500	153	7.56	4.3	1.5	1	1	1.400	7.78	5.9	0.2	23.6																
165	7.43	1.2	3.070	520	169	7.47	2.2	1	1	1	1.433	7.76	5.9	22.6																	
151	7.42	1	3.290	460	140	7.46	2	2.5	2	2	1.462	7.81	6	22.9																	
146	7.55	4.2	3.260	420	129	7.59	4.2	2.5	2.5	2	1.407	7.89	6	22.9																	
155	7.47	2.6	3.000	390	130	7.54	3.8	3	3	1	1.669	7.82	5.9	22.9																	
151	7.51	1	2.960	420	142	7.5	2	3	2	2	1.533	7.97	6.3	22.9	<20																
145	7.46	1.5	2.900	380	131	7.51	1.5	2.5	2.5	2	1.215	7.84	5.7	20.7																	
130	7.51	2.5	2.930	380	130	7.56	3.9	2.5	2.5	2.5	1.265	7.92	6.3	21.2																	
123	7.5	1.2	3.240	440	136	7.5	3	1	2	1	1.164	7.72	5.5	0.05	22.4																
125	7.45	1.1	2.970	410	138	7.42	1.3	1.5	3	1	1.497	7.68	1.4	1.4	4.8																
100	7.57	2.8	3.000	340	113	7.59	3.3	1	1	1	1.457	7.75	5.2	22.8																	
106	7.49	2.5	2.690	270	100	7.57	3.8	3	1	1	1.861	7.74	4.9	23.6																	
105	7.49	1.7	2.360	260	110	7.57	2.8	2.5	1	1	1.690	7.73	4.7	23.9	<20																
113	7.46	1.1	2.910	280	96	7.43	1.6	3.5	2	1	1.451	7.7	4.7	23.6																	
91	7.41	1.1	2.400	240	96	7.41	1.5	3.5	2	1	1.276	7.67	4.9	23.8																	
83	7.43	1.1	2.700	250	93	7.45	2.2	1	2.5	1	1.305	7.72	4.7	0.04	23.2																
81	7.43	1.9	2.390	240	100	7.44	1.9	1	2	1.5	1.405	7.69	1.3	1.4	4.7																
66	214	54.2	98.280	14.750	4.547	234.5	72	66	63	45.5	49.890	242.4	5.8	4.4	164	0.46	731	<20	0	0	0	0	0	23.994	226.100	720.000	61.009				
183	7.72	4.2	4.350	760	196	7.76	4.3	3.5	3	4	2.294	8	1.4	1.4	6.3	0.2	26.1	<20	0	0	0	0	0	1.202	15.440	90.000	11.589				
81	7.41	0.8	2.360	240	93	7.41	0.8	1	1	0.5	1.164	7.67	1	0.4	4	0.04	20.7	<20	0	0	0	0	0	0.443	3.420	45.000	2.772				
144	7.55	1.7	3.170	476	147	7.56	2.3	2.1	2.0	1.5	1.609	7.82	1.2	0.9	5.3	0.09	23.6	<20	0	0	0	0	0	0.774	7.294	80.000	6.779				

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: 118010



Report of Analysis

Reference:

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

Log Number: 1500720 Sample Description: Quarterly Sludge Sample Date: 7/9/2012 Sample Received Date: 7/10/2012

Coli S

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Fecal Coliform in Sludge	110,000	CFU/g	SM-9222 D-97		07/10/12	102
Total Solids Average	2.23	% w/w	SM-2540 G-97		07/10/12	102

Nutrients

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Phosphorus	28500	mg/Kg	SM-20 4500-P E-99		07/16/12	133

PAN Group

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Ammonia as Nitrogen	25,300	mg/Kg	Lachat-10-107-06-1-K		07/26/12	102
Kjeldahl Nitrogen	75,000	mg/Kg	Lachat-10-107-06-2-K		07/26/12	102
Nitrate as Nitrogen	2170	mg/Kg	EPA-300.0 Rev. 2		07/14/12	133
Nitrite as Nitrogen	< 144	mg/Kg	EPA-300.0 Rev. 2		07/14/12	133
Organic Nitrogen	49,700	mg/Kg	Lachat-10-107-06-2-K		07/26/12	102
PAN - Subsurface Application	37410	ppm	Calculation		07/27/12	127
PAN - Surface Application	29820	ppm	Calculation		07/27/12	127

Preparation Methods

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Anions IC Sample Preparation	1	Prep	SM-4110B-00		07/10/12	133
Metals ICP Sample Digestion	1	Prep	EPA-200.7 Rev. 4.4	PDC	07/19/12	
Total Metals Flame-AA Digestion	1	Prep	EPA-200.2		07/16/12	133

Environmental Analysis South, Inc

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Lake Ozark Regional WWTP
Alliance Lake of the Ozarks
P. O. Box 1985
Lake Ozarks, MO 65049

Report Number: 118010

Report of Analysis

Log Number: 1500720 Sample Description: Quarterly Sludge Sample Date: 7/9/2012 Sample Received Date: 7/10/2012

Solids

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Total Solids	1.39	% w/w	SM-2540 G-97		07/13/12	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	07/20/12	
Cadmium	0.91	mg/Kg	SM-3111 B-99		07/23/12	133
Chromium	21.9	mg/Kg	SM-3111 B-99		07/23/12	133
Copper	57.4	mg/Kg	SM-3111 B-99		07/24/12	133
Lead by ICP	29	mg/Kg	EPA-200.7 Rev. 4.4	PDC	07/20/12	
Mercury by Cold-Vapor Technique	< 0.10	mg/Kg	SM-3112 B-99		07/18/12	133
Molybdenum by ICP	6.1	mg/Kg	EPA-200.7 Rev. 4.4	PDC	07/20/12	
Nickel	15.4	mg/Kg	SM-3111 B-99		07/23/12	133
Potassium	3250	mg/Kg	SM-3111 B-99		07/26/12	133
Selenium by ICP	< 2.0	mg/Kg	EPA-200.7 Rev. 4.4	PDC	07/20/12	
Zinc	1140	mg/Kg	SM-3111 B-99		07/23/12	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

Sampler's Signature: _____

Date: 7/9/12 Time: 10:35 ☐ See Table

Additional Comments:

1

[illegible]

FECAL COLIFORM IN SLUDGE

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

Log # 1500720

Date: 7/10/2012

Analyst: 102

Total Solid calculation

Sample	Sample Size	Tare Weight	Tare Wt. + Res.	Residue Wt.	Final Result
Replicate	(grams)	(grams)	(grams)	(grams)	(%w/w)
A	26.1081	2.1333	2.7154	0.5821	2.23
B	25.9145	2.1249	2.7044	0.5795	2.24
C	26.0297	2.1449	2.7308	0.5859	2.25
D	26.1037	2.1623	2.7404	0.5781	2.21
E	25.4724	2.1391	2.7112	0.5721	2.25
F	26.4580	2.1308	2.7211	0.5903	2.23
G	26.3814	2.1694	2.7546	0.5852	2.22
				Average Total Solid	2.23

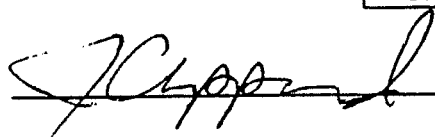
Colony Counts

Date:

Analyst: 102

Sample	Wt. Of Sample	Sample Size	Colony Count	Final Count
Replicate	(grams)	(mls - 0.1, 1.0, 10)	used	#/gram (dry)
A	0.3811	1	7	82,400
B	0.3629	1	3	36,900
C	0.3857	1	17	196,000
D	0.4094	1	4	44,200
E	0.4017	1	9	99,600
F	0.3788	1	19	225,000
G	0.4363	1	33	341,000
Geometric Average				110,000

Approved by:



Environmental Analysis South, Inc.
Clarification Coagulant Sludges
Sludge Analysis

8/2/2012

Submitted by: Alliance Lake Ozarks					
Log Number: 1500720					
pH					
Coliform					
Parameter	Wet %	Wet ppm	Dry %	Dry ppm	lbs/Dry Tons
Moisture			98.61		
Solids			1.39		
Volatile Solids					
Ash					
Nitrogen (TKN)	0.104%	1042.500	7.500%	75000.000	150.000
Nitrate N	0.003%	30.163	0.217%	2170.000	4.340
Nitrite N	0.000%	0.000	0.000%	ND	0.000
Ammonia N	0.035%	351.670	2.530%	25300.000	50.600
Organic N	0.069%	690.830	4.970%	49700.000	99.400
PAN Surface Application	0.041%	414.498	2.982%	29820.000	59.640
PAN Subsurface Application	0.052%	519.999	3.741%	37410.000	74.820
Potassium (as K)	0.005%	45.175	0.325%	3250.000	6.500
Phosphorus (as P)	0.040%	396.150	2.850%	28500.000	57.000
Arsenic (as As)	ND	ND	ND	ND	ND
Cadmium (as Cd)	0.000%	0.013	0.000%	0.910	0.002
Chromium (as Cr)	0.000%	0.304	0.002%	21.900	0.044
Copper (as Cu)	0.000%	0.798	0.006%	57.400	0.115
Molybdenum (as Mo)	0.000%	0.085	0.001%	6.100	0.012
Nickel (as Ni)	0.000%	0.214	0.002%	15.400	0.031
Lead (as Pb)	0.000%	0.403	0.003%	29.000	0.058
Selenium (as Se)	ND	ND	ND	ND	ND
Zinc (as Zn)	0.002%	15.846	0.114%	1140.000	2.280
Mercury (as Hg)	ND	ND	ND	ND	ND
code ND = none detected					
code NT = not tested					

