

**OSAGE BEACH/LAKE OZARK
JOINT SEWER BOARD MEETING
AGENDA
JANUARY 15, 2013
4:00 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

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4. REPORTS

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5. OLD BUSINESS

Quarry Litigation Update ✓

6. NEW BUSINESS

Insurance Company Recommendations

7. DISCUSSION

8. ADJOURNMENT

THE NEXT MEETING WILL BE FEBRUARY 19, 2013, 4:00 PM, LAKE OZARK CITY HALL

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

**Meeting Minutes
November 20, 2012**

Call to Order:

Mayor Penny Lyons called the meeting to order at 4:00 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 - absent
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 October 16, 2012 meeting. After Mr. Hamner noted he was present at the meeting, Mayor Franzekos motioned to approve the minutes as written. Motion seconded by Administrator Viselli and unanimously approved.

Reports:

Financial Reports: After review and discussion regarding coding, Mayor Franzekos motioned approval to pay the bills as presented. Motion seconded by Mr. Hamner and unanimously approved.

Ms. Kari Bell advised the Board that in order to pay the bills, she would recommend moving the CD to the Equipment Replacement Fund and moving the cash to the Operating Fund. After discussion, the Board agreed.

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

Old Business:

Quarry Litigation Update. Mayor Lyons advised that she had given a synopsis of the Quarry issue in the November/December issue of the *Direct Connection*. She also advised that four days in October were spent in hearings on the matter and excellent testimony was given. The Commissioner will be giving her recommendation to the Land Reclamation Commission regarding the litigation.

New Business:

Joint Sewer 2013 Budget. Administrator Viselli briefly reviewed, noting in particular that more funds were added to legal expenses and that the generator, although listed, will probably not be purchased unless there is a reimbursement of legal expenses on the quarry lawsuit. After discussion, a motion was made by Mr. Hamner to approve the 2013 proposed budget without the generator. His motion was seconded by Mayor Franzekos and was then unanimously approved. It was also noted that the balance of the legal fees from the litigation will be paid in regular installments.

Open Discussion: None at this time.

Adjournment:

With nothing further to discuss, the meeting was adjourned at 4:45 pm. There will be no meeting in December. The next regularly scheduled meeting is Tuesday, January 15, 2013, 4:00 pm. at Lake Ozark City Hall, with a holiday celebration hosted by Alliance to follow.

Penny Lyons
Mayor, Osage Beach

Kathy Vance
Temporary Joint Sewer Clerk, Lake Ozark

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JOINT SEWER BOARD

BILL LIST

January 15, 2013

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING	\$ 99,264.00
OPERATING FUND BILLS TO BE PAID:	\$ 15,987.70
EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:	\$ -
EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:	\$ -
TOTAL	\$ 115,251.70

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:

Account	Check	Paid To:	Description:	Amount:
4185	3252	Ameren Missouri	November 2012 Electric	\$ 3,050.15
4170	3253	Alliance Water Resources, Inc.	December 2012 Management Fee	\$ 22,745.70
4000	3258	Equipment Replacement Fund	New Basin -Loan Payment	\$ 2,330.12
4170	3259	Equipment Replacement Fund	Payment into ER Fund	\$ 3,467.17
4020	3254	Alliance Water Resources, Inc.	Misc Repair/Main	\$ 60.92
4150	3254	Alliance Water Resources, Inc.	Vehicle Repairs	\$ 159.12
4220	3255	Zerger & Mauer	Magruder Lawsuit Partial Payment Nov 12	\$ 27,187.56
4220	3256	Dressler Consultants	Magruder Lawsuit - Consultant	\$ 16,404.11
4220	3257	HPS	Magruder Lawsuit - Services	\$ 408.33
4170	3260	Alliance Water Resources, Inc.	January 2013 Management Fee	\$ 23,450.82
TOTAL				\$ 99,264.00

OPERATING FUND BILLS TO BE PAID:

Account	Check	Paid To:	Description:	Amount:
4000	3261	Equipment Replacement Fund	New Basin -Loan Payment	\$ 2,330.12
4170	3262	Equipment Replacement Fund	Payment into ER Fund	\$ 3,467.17
4020	3263	Alliance Water Resources, Inc.	Misc Repair/Main	\$ 190.41
4220	3264	Midwest Litigation Services	Magruder Lawsuit - Services	\$ 3,866.45
4220	3265	Zerger & Mauer	Magruder Lawsuit Partial Payment	\$ 6,133.55

\$ 15,987.70

EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:

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

EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:

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



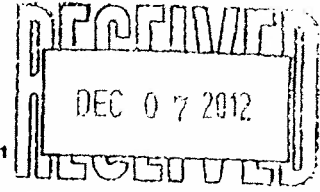
Please Return This Portion With Your Payment.

AMOUNT DUE	DATE DUE
\$2,949.14	Dec 19, 2012
\$2,993.38	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



60600000 0045800058302 000002949140 000002949140

Keep This Portion For Your Records

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

Dec 7, 2012

Dec 19, 2012	\$2,949.14
Jan 2, 2013	\$2,993.38

Payment Received on Nov 13, 2012

\$3,522.21

Total kWh	11673321	11/04-12/05	31	13927.0000	14288.0000	361.0000	160.0000	57760.0000A
Peak kW	11673321	11/04-12/05	31	0.0000	0.6330	0.6330	160.0000	101.2800A

Service To				SUMMARY				Service To	
Total kWh	12/05/2012	57760.0000		Peak kW	12/05/2012	101.3000		12/05/2012	101.3000
Total Billing Demand	12/05/2012	101.3000		October Winter Base kW	12/05/2012	164.6000		12/05/2012	164.6000
Winter Base Demand	12/05/2012	101.3000		Base kWh Ratio	12/05/2012	1.0000		12/05/2012	1.0000
Base kWh (HUD)	12/05/2012	57760.0000		Seasonal kWh (HUD)	12/05/2012	0.0000		12/05/2012	0.0000

METERED ELECTRIC SERVICE BILLING

Rate 3M Large General Service		Service From 11/04/2012		To 12/05/2012
Seasonal Energy Charge	0.00 kWh	\$	\$0.03410000	\$0.00
Demand Charge	101.30 kW	\$	\$1.61000000	\$163.09
Base Energy Chg / Hours Used	15,195.00 kWh	\$	\$0.05860000	\$890.43
Base Energy Chg / Hours Used	20,260.00 kWh	\$	\$0.04340000	\$879.28
Base Energy Chg / Hours Used	22,305.00 kWh	\$	\$0.03410000	\$760.60
Customer Charge				\$83.04
Fuel Adjustment Charge	57,760.00 kWh	\$	\$0.00269000	\$155.37
Energy Efficiency Pgm Charge	57,760.00 kWh	\$	\$0.00030000	\$17.33
Total Service Amount				\$2,949.14

Current Amount Due	\$2,949.14
Prior Amount Due	\$0.00
Total Amount Due	\$2,949.14

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



Please Return This Portion With Your Payment.

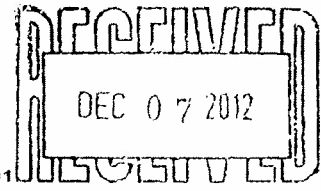
☐ Pure Power

AMOUNT DUE	DUPLICATE
\$101.01	Dec 19, 2012
AMOUNT PAYABLE	ACCOUNT NUMBER
\$102.53	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



50633000 0055800059200 000000101010 000000101010

Keep This Portion For Your Records

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

Dec 7, 2012
Dec 19, 2012
Jan 2, 2013

Payment Received on Nov 13, 2012 \$86.86

Total kWh	98041275	11/04-12/05	31	1358.0000	1467.0000	109.0000	10.0000	1090.0000A
Peak kW	98041275	11/04-12/05	31	0.0000	4.5040	4.5040	10.0000	45.0400A

Service To				SUMMARY		Service To	
Total kWh	12/05/2012	1090.0000	Winter Base kWh	12/05/2012	2350.0000		
Current Base kWh	12/05/2012	1090.0000	Seasonal kWh	12/05/2012	0.0000		

METERED ELECTRIC SERVICE BILLING

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

Service From 11/04/2012 To 12/05/2012

Base Energy Charge	1,090.00 kWh	@ \$0.07200000	\$78.48
Seasonal Energy Charge	0.00 kWh	@ \$0.04170000	\$0.00
Customer Charge			\$19.49
Fuel Adjustment Charge	1,090.00 kWh	@ \$0.00269000	\$2.93
Energy Efficiency Pgm Charge	1,090.00 kWh	@ \$0.00010000	\$0.11
Total Service Amount			\$101.01

Current Amount Due	\$101.01
Prior Amount Due	\$0.00
Total Amount Due	\$101.01

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.

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: 5461

01-Dec-12

Customer No: 20220

Terms: 30 days

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

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: 5489

Invoice Date: 01-Dec-12

Customer No: 20220

Terms: 30 days

REFERENCE	DESCRIPTION	AMOUNT
	Grainger- 1 Invoice - 50%	\$60.92
	Roemer's Heavy Equipment & Truck Repair- 1 Invoice - 50%	\$159.12
TOTAL DUE		\$220.04

GRAINGER.

PAGE 1

11200 E. 210 HWY
KANSAS CITY, MO 64161-9370
www.grainger.com

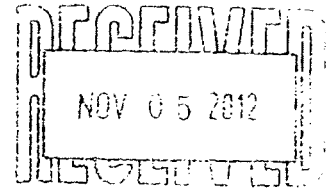
SHIP TO
ATTN: GARY HUTCHCRAFT
ALLIANCE WATER RESOURCES
3 ANDERSON RD
LAKE OZARK MO 65049-0000

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

ORIGINAL INVOICE

GRAINGER ACCOUNT NUMBER 858374754
INVOICE NUMBER 9968658410
INVOICE DATE 11/05/2012
DUE DATE 12/05/2012
AMOUNT DUE \$130.39

PO NUMBER
CALLER: GARY HUTCHCRAFT
CUSTOMER PHONE: 5733650455
ORDER/DELIVERY#: 6211748083
INCO TERMS: FOB ORIGIN



THANK YOU!

FEI NUMBER 36-1150260

FOR QUESTIONS ABOUT THIS INVOICE OR ACCOUNT

PO LINE #	ITEM #	DESCRIPTION	QUANTITY	BACK ORDERED	UNIT PRICE	TOTAL
	5X827	RELAY 8 PINS MANUFACTURER # 5X827	5		22.52	112.60
GL Acct#: 6705-20 \$69.47 1220-20 \$60.92 Signature: <i>Gary Hutchcraft</i> Date: 11/5/12						

NUMBER OF PKGS:

WEIGHT: 0.750

DATE SHIPPED: 11/05/2012

CARRIER: UPS GROUND

TRACKING NO: 1Z6812/30357644818

INVOICE SUB TOTAL 112.60

SHIPPING CHARGE 9.23

TAX 8.56

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

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

AMOUNT DUE

\$130.39

PLEASE DETACH THIS PORTION AND RETURN WITH YOUR PAYMENT

BILL TO:

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

REMIT TO:

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

858374754996865841010000130391000085610000923100000012120572

X

ACCOUNT NUMBER

858374754

DATE

11/05/2012

INVOICE NUMBER

9968658410

AMOUNT DUE

\$130.39

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

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

18002

QTY	PART NO. AND DESCRIPTION	PRICE	
1	538 Brake Shoe	38.97	
1	mkp220 Metallic Pad	44.05	
2	7645865 Brake Rotor	57.61	115.22
GL Acct#: 6702-20 \$174.44 1220-20 \$159.12 Signature: <i>[Signature]</i> Date: 11/30/12			
(MAY BE CONTINUED ON OTHER SIDE)		TOTAL PARTS	198.24
ACCESSORIES			
TOTAL ACCESSORIES			

NAME <i>Alliance Water Resources, Inc</i>		CUSTOMER SERVICE NO.	DATE <i>NOV-14-12</i>
ADDRESS <i>P.O. Box 1985</i>		ORDER WRITTEN BY	PROMISED
CITY, STATE, ZIP <i>Osage Beach, Mo 65049</i>	BUSINESS PHONE <i>573-874-9090</i>	EXT.	A.M. P.M.
HOME PHONE <i>573-874-9090</i>	LICENSE NUMBER	ODOMETER IN	ODOMETER OUT
YEAR, MAKE AND MODEL <i>01 Dodge Dakota</i>	MOTOR NUMBER	TERMS	
SERIAL NUMBER <i>1875226X01926588</i>			

DESCRIPTION OF WORK				AMOUNT	
☐ LUBE	☐ CHANGE OIL	☐ OIL FILTER	☐ TUNE-UP	☐ TRANS.	☐ DIFF.
<i>Check Brake, Suspension, Steering and Adjust Brakes, Service Air, Replace Front Brake Pads and Rotors, Assemble and Check</i>					
				TOTAL LABOR	<i>120.00</i>
				TOTAL PARTS	<i>198.24</i>
				ACCESSORIES	
				GAS, OIL & GREASE	
				SUBLET REPAIRS	
				EXP/WASTE DISPOSAL	
				TAX	<i>15.32</i>
				TOTAL	<i>333.56</i>
				THANK YOU!	

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

SAVE OLD PARTS? ☐ YES ☐ NO

SIGNATURE

ZERGER & MAUER LLP

1100 Main Street

Suite 2100

Kansas City, MO 64105 816/759-3900 Federal ID No. 22-5426921

STATEMENT**PRIVILEGED & CONFIDENTIAL**

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

Statement Date: 11/19/2012

Previous Balance	Fees	Expenses	Advances	Payments	
1014-0002 Magruder					
43,238.76	99,512.00	4,256.83	0.00	0.00	<u>\$147,007.59</u>

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

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: 11/19/2012
 Statement No. 2006
 Page No. 1

Fees

		Rate	Hours	
10/01/2012				
MLR	Plan and prepare for trial; compile final witness list; review and analyze deposition of Dean McDonald.	250.00	5.80	1,450.00
MLR	Draft and revise motion for sanctions regarding Magruder's discovery responses.	250.00	2.30	575.00
SEM	Sort materials from deposition of P. Worsey; attorney conference with M. L. Rayl regarding motions; review motion to strike; review documents to be produced by Magruder.	280.00	2.00	560.00
10/02/2012				
MLR	Communicate with client regarding evidence needed related to Mexicali Blues incident; research and analyze blast reports to isolate cause of damage to sewer line.	250.00	2.00	500.00
MLR	Draft and revise correspondence to Administrative Hearing Commission regarding contact information for unrepresented petitioner Michael Atkisson.	250.00	0.30	75.00
MLR	Draft and revise motion for discovery sanctions; assemble exhibits for same and prepare for filing.	250.00	1.60	400.00
MLR	Draft and revise letter to opposing counsel regarding stipulation as to the admissibility of governmental records.	250.00	0.50	125.00
MLR	Plan and prepare for trial; revise strategy for presenting evidence to rebut likely evidence of Magruder.	250.00	0.60	150.00
SEM	Review letter regarding briefing; review notes regarding deposition schedule; review deposition transcripts; prepare letter to E. Rucker regarding same; work on trial preparation.	280.00	4.00	1,120.00

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

		Rate	Hours	
10/03/2012				
MLR	Review and analyze documents obtained from Land Reclamation Commission and DNR to isolate exhibits to be used at hearing.	250.00	1.50	375.00
SEM	Review second request for production from Magruder; attorney conference with M. L. Rayl regarding same (no charge); review correspondence from A. Troutwine; telephone call to MoDOT regarding affidavit from T. Powers; work on "theme" for trial; attorney conference regarding same (no charge).	280.00	4.00	1,120.00
10/04/2012				
MLR	Communicate with expert witness regarding status update of case. NO CHARGE	250.00		
MLR	Plan and prepare for trial; draft and revise deposition designations.	250.00	2.00	500.00
MLR	Review and analyze motion in opposition to Joint Sewer Board's motion to strike witnesses; draft and revise reply in support.	250.00	2.20	550.00
EDC	Telephone call regarding McDonald exhibits; update exhibit list to include exhibits from recent depositions; organization of same.	160.00		
SEM	Prepare letter to P. Lyons, N. Viselli and E. Rucker regarding deposition of P. Worsey; prepare notes regarding motion to preclude further testimony of Dr. Worsey; review letter from AHC regarding motion to strike; attorney conference regarding response to same; prepare letter to P. Lyons, N. Viselli and E. Rucker regarding same; work on discovery issues; review correspondence regarding setting second deposition of D. Dressler.	280.00	2.00	560.00
10/05/2012				
MLR	Plan and prepare for trial; conduct fact finding with Lake Ozark regarding blasting incident; request records from MoDot regarding same; communicate with opposing counsel regarding stipulation of authentication of documents; communicate with MoDot regarding affidavit of Thomas Powers.	250.00	4.00	1,000.00
10/06/2012				
MLR	Plan and prepare for trial; draft and revise deposition designations for Dean McDonald and Keith Henderson.	250.00	4.20	1,050.00

		Rate	Hours	
10/08/2012				
MLR	Draft and revise deposition designations to file with the Administrative Hearing Commission.	250.00	5.30	1,325.00
MLR	Draft and revise letter to opposing counsel regarding request for joint stipulation as to authentication of government documents.	250.00	1.00	250.00
MLR	Review and analyze golden rule letter from opposing counsel regarding requested documents; draft and revise response to same; communicate with client regarding same; review and analyze correspondence from opposing counsel refusing to stipulate to affidavit of Thomas Powers.	250.00	1.80	450.00
SEM	Prepare letter to Mayor Lyons, N. Viselli and E. Rucker regarding deposition of D. Dressler; prepare letter to A. Troutwine regarding same; prepare letter to D. Dressler regarding same; review motion to strike witnesses; prepare letter to Mayor Lyons, N. Viselli and E. Rucker regarding same.	280.00	4.50	1,260.00
10/09/2012				
MLR	Draft and revise deposition designations to file with Commission.	250.00	1.50	375.00
MLR	Communicate with opposing counsel to attempt to obtain agreement on stipulation as to authentication of certain documents; communicate with opposing counsel regarding request for consent to extension of time for Magruder to file deposition designations.	250.00	1.50	375.00
MLR	Draft and revise response to golden rule letter received from opposing counsel; prepare video files for redelivery.	250.00	2.30	575.00
MLR	Plan and prepare for trial; review and analyze key documents to provide to expert witness.	250.00	1.20	300.00
MLR	Draft and revise motion in limine to exclude certain testimony from Magruder's expert witnesses.	250.00	2.00	500.00
MLR	Review and analyze deposition designations filed by Magruder.	250.00	0.90	225.00
EDC	Conference with M. L. Rayl; prepare Business Records Affidavits for MoDot, Kolb Construction and State Fire Marshall's Office; telephone calls to same and scan and e-mail documents we need authenticated; produce additional documents; telephone conference with J. Dobbs regarding agreement regarding authenticity of documents.	160.00	4.20	672.00

		Rate	Hours	
SEM	Review depositions of P. Worsey and K. Henderson; prepare letters to N. Viselli, E. Rucker and Mayor Lyons regarding same; work on briefs to file with AHC; telephone conference with opposing counsel regarding discovery issues; review deposition designations; prepare notes regarding same.	280.00	3.00	840.00
10/10/2012				
MLR	Outside conference with expert witness David Dressler to prepare for deposition testimony; plan and prepare for same.	250.00	3.30	825.00
MLR	Communicate with opposing counsel regarding discovery issues.	250.00	0.20	50.00
MLR	Communicate with Lake Ozark Police Department regarding blasting incident at Eagles Landing on October 7, 2011.	250.00	0.20	50.00
MLR	Draft and revise motion in limine to exclude certain testimony from experts.	250.00	2.70	675.00
MLR	Communicate with Administrative Hearing Commission regarding Order denying motion to strike witnesses and procedure for obtaining subpoenas.	250.00	1.00	250.00
EDC	Work on exhibit list; review documents and testimony from original hearing that are deemed admitted in current hearing; review order from Administrative Judge regarding Motion to Strike K. Voss, G. Prewitt and T. Braden; telephone call to AHC regarding procedure for issuing subpoenas; arrange for issuance and service of subpoenas on G. Prewitt and K. Voss.	160.00	5.50	880.00
SEM	Meet with D. Dressler regarding his testimony; review documents for same; review correspondence from A. Troutwine regarding documents produced.	280.00	2.50	700.00
10/11/2012				
MLR	Draft and revise third requests for production of documents to Magruder.	250.00	1.10	275.00
MLR	Communicate with counsel for MoDot regarding subpoena issued to Magruder's designated witness, Kenneth Voss; conference call with Kenneth Voss regarding same.	250.00	1.30	325.00
MLR	Draft and revise reply in further support of motion for discovery sanctions.	250.00	2.40	600.00
MLR	Draft and revise motion to exclude certain testimony of Magruder's designated expert witnesses.	250.00	1.80	450.00

		Rate	Hours	
MLR	Communicate with witnesses David Dressler and Gary Hutchcraft regarding incident involving sewer plant UV system.	250.00	0.60	150.00
MLR	Draft and revise responses to Magruder's Third Request for Production of Documents.	250.00	0.30	75.00
EDC	Work on exhibit list; scan documents for production; follow up with various agencies regarding authenticated documents;; bates stamp additional documents for production; follow up on service of subpoenas; telephone calls regarding service of subpoena on G. Prewitt.	160.00	4.80	768.00
SEM	Review correspondence from A. Troutwine and J. Dobbs; prepare letter to E. Rucker regarding same; prepare letter to Mayor Lyons, N. Viselli and E. Rucker regarding AHC letter on motions; prepare letter regarding meeting with D. Dressler.	280.00	1.00	280.00
10/12/2012				
MLR	Review and analyze documents and exhibits marked during deposition testimony to select exhibits to be used for direct examination of Joint Sewer Board witnesses.	250.00	1.10	275.00
MLR	Draft and revise affidavit for Kenneth Voss and communicate with counsel for MoDOT regarding same.	250.00	1.10	275.00
MLR	Draft and revise deposition notices for Gary Prewitt and Kenneth Voss to be filed with the Commission.	250.00	0.50	125.00
MLR	Communicate with all parties regarding affidavits of records custodians.	250.00	0.20	50.00
MLR	Draft and revise responses to Magruder's Third Requests for Production of Documents; communicate with client regarding same.	250.00	0.50	125.00
MLR	Communicate with Petitioner Judy Taylor regarding attendance at hearing.	250.00	0.20	50.00
EDC	Work on exhibits including review of all documents produced for possible inclusion as exhibit and review all deposition exhibits for potential exhibits; provide video and additional documents to opposing counsel; produce authenticated documents to opposing counsel and petitioners; communication with opposing counsel regarding document production; assist in responses to recent Requests for Production.	160.00	5.90	944.00
SEM	Telephone conference regarding ruling on motion for discovery sanctions; prepare notes regarding same.	280.00	0.50	140.00

		Rate	Hours	
10/13/2012				
MLR	Draft and revise responses to Magruder's Third Request for Production of Documents.	250.00	1.90	475.00
MLR	Plan and prepare for trial; draft direct examination outlines for City of Osage Beach witnesses.	250.00	2.50	625.00
10/15/2012				
MLR	Review and analyze deposition designations made by Magruder from 2008; isolate themes established by those designations.	250.00	2.00	500.00
MLR	Plan and prepare for deposition of David Dressler by Magruder.	250.00	0.70	175.00
MLR	Communicate with Vicky Stockman regarding subpoena received from Magruder Limestone to appear for hearing on October 22nd.	250.00	0.10	25.00
MLR	Plan and prepare for trial; draft and revise witness outlines.	250.00	6.30	1,575.00
EDC	Work on exhibit list and organization of same; assist in deposition of D. Dressler; review designations of D. Dressler deposition; review authenticated documents provided by Magruder; review subpoena served on V. Stockman; conferences with S. E. Maurer and M. L. Rayl regarding upcoming hearing and preparation.	160.00	6.10	976.00
SEM	Work on deposition preparation with D. Dressler; prepare for same; attend and complete deposition of D. Dressler; prepare notes regarding same; prepare letter to N. Viselli, P. Lyons and E. Rucker regarding order from commissioner.	280.00	6.00	1,680.00
10/16/2012				
MLR	Plan and prepare for hearing; prepare witness outlines, isolate exhibits needed for hearing, draft and revise trial brief.	250.00	11.60	2,900.00

		Rate	Hours	
	SEM Work on deposition designations/objections; telephone conference with M. Atkisson regarding meeting tomorrow; telephone call to G. Gagnon regarding meeting; prepare letter to clients regarding deposition notice for D. Dressler; review letter from J. Dobbs; prepare letter to Mayor Lyons, N. Viselli and E. Rucker regarding same; review deposition transcripts; prepare letter to clients regarding same; review Magruder's third request for production; prepare letter to Mayor Lyons, N. Viselli and E. Rucker regarding same; review letter regarding deadline for responding to our motion; prepare letter to clients regarding same.	280.00	6.00	1,680.00
	EDC Work on exhibit list; assemble exhibits and mark for hearing; make exhibit books for hearing and witness preparation; preparation for witness preparation sessions in Osage Beach; assist in letter to opposing counsel regarding service of subpoena on D. Dressler.	160.00	7.20	1,152.00
10/17/2012				
	MLR Plan and prepare for hearing; conduct witness preparation sessions with all City of Osage Beach witnesses and unrepresented petitioners.	250.00	13.50	3,375.00
	SEM Prepare letter regarding deposition of D. Dressler; prepare letter to J. Dobbs regarding subpoena on D. Dressler; meet with Mayor Lyons, G. Hight, R. King and N. Edelman regarding testimony; prepare notes regarding same; attorney conference regarding same; review exhibits and outline for trial; prepare for trial; meet with individual petitioners; prepare notes regarding possible testimony; attorney conference regarding same; return to Kansas City.	280.00	10.00	2,800.00
	EDC Telephone call to Administrative Hearing Commission regarding Elmo and screen; continue work on assembling and marking exhibits.	160.00	4.00	640.00
10/18/2012				
	MLR Draft and revise trial brief.	250.00	1.50	375.00
	MLR Draft and revise withdrawal of deposition notice for Kenneth Voss.	250.00	0.30	75.00
	MLR Attend telephone conference with Commissioner Winn to address subpoenas issued by Magruder and other issues prior to start of the hearing.	250.00	1.00	250.00

		Rate	Hours	
	MLR Plan and prepare for hearing; witness preparation session with expert David Dressler.	250.00	2.50	625.00
	SEM Prepare letter regarding deposition of D. Dressler and subpoena regarding same; schedule telephone conference with Commissioner Winn; prepare letter to Mayor Lyons, N. Viselli and E. Rucker regarding deposition transcript for D. Dressler; edit outlines; sort exhibits; telephone conference with AHC regarding discovery issues; meet with D. Dressler regarding his testimony.	280.00	4.00	1,120.00
	EDC Bates stamp additional documents to produce (updated Alliance Report) and mark as exhibit; preparation for D. Dressler witness preparation session; update exhibit list and add Alliance Report; finish exhibit books for hearing; review order regarding stricken deposition designations and update deposition notebooks.	160.00	5.40	864.00
10/19/2012				
	MLR Attend deposition of Gary Prewitt in Osage Beach.	250.00	10.50	2,625.00
	SEM Work on trial brief; prepare letter to AHC regarding same.	280.00	1.75	490.00
	EDC Conference with S. E. Mauer regarding tasks to perform for hearing (no charge); update contact list with additional witness contact information; add exhibits to witness outlines; box up file and organize for hearing; review designated testimony from prior hearing and note exhibits already designated to be part of record; arrange for copies of additional exhibits already deemed admitted through prior testimony; prepare list of exhibits already admitted previously and those designated through testimony.	160.00	5.50	880.00
10/20/2012				
	MLR Plan and prepare for hearing; draft and revise witness outlines and exhibit list.	250.00	5.40	1,350.00
	SEM Work on trial preparation.	280.00	2.00	560.00
10/21/2012				
	MLR Plan and prepare for trial; finalize all direct examination outline and exhibits to be used at hearing.	250.00	5.00	1,250.00
	SEM Work on trial preparation; edit outlines; review exhibits.	280.00	4.00	1,120.00

		Rate	Hours	
10/22/2012				
MLR	Communicate with client regarding blasting at Prewitt's Point borrow pit in 2002. NO CHARGE	250.00		
MLR	Review and analyze supplemental deposition designations filed by Magruder; review and analyze deposition of Gary Prewitt; review and analyze Order of Commission striking certain deposition designations made by JSB.	250.00	2.50	625.00
MLR	Plan and prepare for trial; travel to Jefferson City; prepare courtroom and exhibits; plan and prepare for direct examination of City witnesses.	250.00	5.50	1,375.00
SEM	Prepare for trial; travel to Jefferson City; edit witness outlines; arrange documents and courtroom; meet with courtroom deputy regarding same; telephone conference with E. Rucker regarding status; telephone conference with G. Gagnon regarding testimony; edit letter to Mayor Lyons regarding deposition of D. Dressler; review supplemental Magruder discovery; prepare letter to E. Rucker regarding same; review orders from Commissioner Winn; prepare letter to Mayor Lyons, N. Viselli and E. Rucker regarding same; review letter from J. Dobbs; prepare letter to Mayor Lyons, N. Viselli and E. Rucker regarding same.	280.00	9.00	2,520.00
EDC	Print and update witness outlines with exhibit numbers; print copy of G. Prewitt deposition and create witness file for same; create witness file for K. Voss with Affidavit; review and print copy of letter from K. Henderson regarding changes to testimony and photographs recently taken; Set up in hearing room including technology.	160.00	4.10	656.00
10/23/2012				
MLR	Court appearance - prepare for and attend first day of trial.	250.00	10.00	2,500.00
MLR	Outside conference with expert witness David Dressler.	250.00	1.00	250.00
SEM	Prepare for trial; attend same; meet with D. Dressler regarding his testimony tomorrow; prepare for examination tomorrow; attorney conference regarding same; prepare letter to Mayor Lyons regarding motion to strike.	280.00	10.00	2,800.00
EDC	Attend and assist at hearing of matter in Jefferson City; meeting with D. Dressler regarding testimony at hearing.	160.00	9.50	1,520.00

		Rate	Hours	
10/24/2012				
MLR	Court appearance - prepare for and attend second day of trial.	250.00	9.50	2,375.00
MLR	Outside conference with expert witness David Dressler.	250.00	0.50	125.00
MLR	Plan and prepare for direct examination of expert witness David Dressler and cross-examination of Magruder expert Keith Henderson.	250.00	1.00	250.00
SEM	Prepare for trial; attend same; prepare for witnesses tomorrow; attorney conference regarding same.	280.00	10.00	2,800.00
EDC	Attend and assist at hearing of matter in Jefferson City; additional witness preparation for D. Dressler.	160.00	9.75	1,560.00
10/25/2012				
MLR	Plan and prepare for cross examination of Magruder expert Keith Henderson.	250.00	1.50	375.00
MLR	Court appearance - attend third day of trial.	250.00	8.50	2,125.00
SEM	Prepare for trial; attend same; meet with witnesses and clients; prepare for next day; attorney conference regarding same.	280.00	10.00	2,800.00
EDC	Attend and assist at hearing of matter in Jefferson City; review prior testimony of D. McDonald regarding testimony of violation.	160.00	10.00	1,600.00
10/26/2012				
MLR	Court appearance - attend fourth day of trial - travel back to Kansas City following trial.	250.00	10.00	2,500.00
MLR	Plan and prepare for cross examination of Magruder expert Keith Henderson.	250.00	1.30	325.00
SEM	Prepare for trial; attend same; sort materials for return to Kansas City; meet with Mayor Lyons regarding trial.	280.00	10.00	2,800.00
EDC	Attend and assist at hearing of matter in Jefferson City.	160.00	10.00	1,600.00
10/28/2012				
SEM	Sort materials from trial; prepare for hearing on Tuesday.	280.00	2.00	560.00
10/29/2012				
MLR	Legal research to determine legally acceptable definition of "undue impact" or "unduly impair."	250.00	0.30	75.00

		Rate	Hours	
SEM	Work on trial preparation; prepare for legal argument on motion to strike; prepare outline for T. Braden; review notes regarding same; review letter to Mayor Lyons, N. Viselli and E. Rucker regarding briefing.	280.00	7.50	2,100.00
EDC	Print citations for use in hearing; locate copies of all pleadings in Cape Girardeau case discussed at hearing now on appeal regarding permit hearings are only to determine whether permit as applied for can be altered by hearing commission.	160.00	1.75	280.00
10/30/2012				
MLR	Court appearance - attend fifth and final day of trial.	250.00	10.00	2,500.00
SEM	Prepare for hearing; attend same; gather materials from court.	280.00	10.00	2,800.00
EDC	Attend and assist at hearing of matter in Jefferson City.	160.00	8.75	1,400.00
10/31/2012				
SEM	Review documents for briefing; sort notes for same.	280.00	2.00	560.00
	For Current Services Rendered		419.60	99,512.00

Expenses

10/02/2012	Photocopy charges	124.20
10/02/2012	Postage	24.20
10/03/2012	Photocopy charges	4.00
10/03/2012	Postage	1.10
10/04/2012	Photocopy charges	0.40
10/04/2012	Postage	0.90
10/09/2012	Photocopy charges	52.60
10/09/2012	Photocopy charges	46.80
10/09/2012	Postage	24.15
10/10/2012	Mileage to/from Jefferson City, MO on 9/26/12 for deposition	177.60
10/10/2012	Postage	15.30
10/11/2012	Postage	11.85
10/12/2012	Photocopy charges	132.60
10/12/2012	Postage	22.95
10/16/2012	Photocopy charges	66.40
10/16/2012	Photocopy charges	18.00
10/16/2012	Postage	29.65
10/18/2012	Photocopy charges	27.20
10/18/2012	Postage	4.05
10/19/2012	Photocopy charges	36.80
10/19/2012	Photocopy charges	127.60
10/19/2012	Postage	15.90
10/22/2012	Mileage to/from Osage Beach 10/19/2012 for M.L. Rayl.	188.70

City of Osage Beach
Account No. 1014.0002
RE: Magruder

Statement Date: 11/19/2012
Statement No. 2006
Page No. 12

10/22/2012	Photocopy charges	56.60
10/22/2012	Postage	3.25
10/22/2012	Mileage to/from office to Jefferson City.	64.40
10/22/2012	Travel Expense to Jefferson City for trial.	2,247.08
10/23/2012	Postage	0.45
10/26/2012	Mileage to/from Jefferson City to office	64.40
10/29/2012	Photocopy charges	40.20
10/30/2012	Travel expense to Osage Beach for Trial Preparation	188.70
10/30/2012	Travel expense to Osage Beach	188.70
10/30/2012	Travel expense - Steve Mauer to Jefferson City	
	\$177.60 Mileage	
	\$22.50 Lunch	
	\$50.00 Dinner	250.10
	Total Expenses	4,256.83
	Total Current Work	103,768.83
	Previous Balance	\$43,238.76
	Balance Due	<u>\$147,007.59</u>



INVOICE

13910 W. 96th Ter.
Lenexa, KS 66215
913-492-7777

Project Mgr: David Dressler

Project: Lake Ozark/Osage Beach Joint Sewer Bd v. Magnuder
Wood River Road and Scottish Landing Road
Osage Beach, MO

To: Zerger & Mauer LLP
Attn: Melody L. Rayl
1100 Main Street
Suite 2100
Kansas City, MO 64105

REMIT TO:

Invoice Number: T350267

Terracon Consultants, Inc.
PO Box 843358
Kansas City, MO 64184-3358

Federal E.I.N.: 42-1249917

Project Number: F1126201
Invoice Date: 10/08/2012
For Period: 6/24/2012 to 9/29/2012

Interim Billing

Quantity	Description of Services	Rate	Total
Direct Admin Support			
0.50 Hour(s)	Item Date 6/27/12 - Senior Administrative Staff - Carol Fisher	\$65.00	\$32.50
0.25 Hour(s)	Item Date 7/26/12 - Senior Administrative Staff - Carol Fisher	\$65.00	\$16.25
0.50 Hour(s)	Item Date 8/17/12 - Cad Operator - David Ashburn	\$65.00	\$32.50
	Subtotal		\$81.25
Standby			
1.00 Hour(s)	Item Date 8/23/12 - Field Project Manager - David Dressler	\$135.00	\$135.00
Travel			
0.75 Hour(s)	Item Date 8/23/12 - Field Project Manager - David Dressler	\$135.00	\$101.25
Forensic			
2.00 Hour(s)	Item Date 8/13/12 - Field Project Manager - David Dressler	\$135.00	\$270.00
2.50 Hour(s)	Item Date 8/14/12 - Field Project Manager - David Dressler	\$135.00	\$337.50
3.00 Hour(s)	Item Date 8/15/12 - Field Project Manager - David Dressler	\$135.00	\$405.00
4.50 Hour(s)	Item Date 8/16/12 - Field Project Manager - David Dressler	\$135.00	\$607.50
3.00 Hour(s)	Item Date 8/17/12 - Field Project Manager - David Dressler	\$135.00	\$405.00
2.50 Hour(s)	Item Date 8/20/12 - Field Project Manager - David Dressler	\$135.00	\$337.50
3.50 Hour(s)	Item Date 8/21/12 - Field Project Manager - David Dressler	\$135.00	\$472.50
5.50 Hour(s)	Item Date 8/22/12 - Field Project Manager - David Dressler	\$135.00	\$742.50
1.50 Hour(s)	Item Date 8/27/12 - Field Project Manager - David Dressler	\$135.00	\$202.50
1.00 Hour(s)	Item Date 8/28/12 - Field Project Manager - David Dressler	\$135.00	\$135.00
2.00 Hour(s)	Item Date 8/29/12 - Field Project Manager - David Dressler	\$135.00	\$270.00
2.00 Hour(s)	Item Date 8/30/12 - Field Project Manager - David Dressler	\$135.00	\$270.00
	Subtotal		\$4,455.00
Research			
1.00 Hour(s)	Item Date 8/30/12 - Project Geologist - Ed Keating	\$113.00	\$113.00
1.00 Hour(s)	Item Date 8/31/12 - Project Geologist - Ed Keating	\$113.00	\$113.00

TERMS: DUE UPON PRESENTATION OF INVOICE

Page 1 of 2

Client #374427

Created on 10/4/2012



INVOICE

Invoice No.: T350267
Project No.: F1126201
Project: Lake Ozark/Osage Beach Joint
Sewer Bd v. Magruder
Wood River Road and Scottish
Landing Road
Project Mgr: David Dressler

Interim Billing

Quantity	Description of Services	Rate	Total
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Continued

Subtotal \$226.00

Reimbursables

32.00 Mile(s)

Item Date 8/23/12 - Mileage

\$0.670 \$21.44

Invoice Total \$5,019.94

TERMS: DUE UPON PRESENTATION OF INVOICE

Page 2 of 2

Client #374427

Created on 10/4/2012



INVOICE

13910 W. 96th Ter.
Lenexa, KS 66215
913-492-7777

Project Mgr: David Dressler

Project: Lake Ozark/Osage Beach Joint Sewer Bd v. Magruder
Wood River Road and Scottish Landing Road
Osage Beach, MO

To: Zerger & Mauer LLP
Attn: Melody L. Rayl
1100 Main Street
Suite 2100
Kansas City, MO 64105

REMIT TO:

Invoice Number: T350291

Terracon Consultants, Inc.
PO Box 843358
Kansas City, MO 64184-3358

Federal E.I.N.: 42-1249917

Project Number: F1126201
Invoice Date: 10/08/2012
For Period: 9/30/2012 to 9/30/2012

Interim Billing

Quantity	Description of Services	Rate	Total
Deposition			
6.50 Hour(s)	Item Date 8/23/12 - Field Project Manager - David Dressler	\$202.50	\$1,316.25
3.00 Hour(s)	Item Date 9/19/12 - Field Project Manager - David Dressler	\$202.50	\$607.50
	Subtotal		\$1,923.75

Invoice Total \$1,923.75

TERMS: DUE UPON PRESENTATION OF INVOICE
Page 1 of 1

Client #374427

Created on 10/8/2012



INVOICE

13910 W. 96th Ter
Lenexa, KS 66215
913-492-7777

Project Mgr: David Dressler

Project: Lake Ozark/Osage Beach Joint Sewer Bd v. Magruder
Wood River Road and Scottish Landing Road
Osage Beach, MO

To: Zerger & Mauer LLP
Attn: Melody L. Rayl
1100 Main Street
Suite 2100
Kansas City, MO 64105

REMIT TO:

Invoice Number: T368420

Terracon Consultants, Inc.
PO Box 843358
Kansas City, MO 64184-3358

Federal E.I.N.: 42-1249917

Project Number: F1126201
Invoice Date: 12/04/2012
For Period: 10/01/2012 to 11/24/2012

Final Billing

Quantity	Description of Services	Rate	Total
Direct Admin Support			
0.25 Hour(s)	Item Date 10/4/12 - Administrative Assistant - Nicki Ware	\$60.00	\$15.00
Analysis			
5.75 Hour(s)	Item Date 10/10/12 - Field Project Manager - David Dressler	\$135.00	\$776.25
7.00 Hour(s)	Item Date 10/11/12 - Field Project Manager - David Dressler	\$135.00	\$945.00
3.00 Hour(s)	Item Date 10/13/12 - Field Project Manager - David Dressler	\$135.00	\$405.00
	Subtotal		\$2,126.25
Consultation			
1.75 Hour(s)	Item Date 10/10/12 - Field Project Manager - David Dressler	\$135.00	\$236.25
0.50 Hour(s)	Item Date 10/16/12 - Field Project Manager - David Dressler	\$135.00	\$67.50
3.00 Hour(s)	Item Date 10/18/12 - Field Project Manager - David Dressler	\$135.00	\$405.00
	Subtotal		\$708.75
Travel			
0.50 Hour(s)	Item Date 10/15/12 - Field Project Manager - David Dressler	\$135.00	\$67.50
0.50 Hour(s)	Item Date 10/18/12 - Field Project Manager - David Dressler	\$135.00	\$67.50
4.50 Hour(s)	Item Date 10/23/12 - Field Project Manager - David Dressler	\$135.00	\$607.50
3.00 Hour(s)	Item Date 10/25/12 - Field Project Manager - David Dressler	\$135.00	\$405.00
	Subtotal		\$1,147.50
Deposition			
6.50 Hour(s)	Item Date 10/15/12 - Field Project Manager - David Dressler	\$202.50	\$1,316.25
Project Management			
3.00 Hour(s)	Item Date 10/17/12 - Field Project Manager - David Dressler	\$135.00	\$405.00
3.50 Hour(s)	Item Date 10/22/12 - Field Project Manager - David Dressler	\$135.00	\$472.50
1.25 Hour(s)	Item Date 10/23/12 - Field Project Manager - David Dressler	\$135.00	\$168.75

TERMS: DUE UPON PRESENTATION OF INVOICE

Created on 12/3/2012

Page 1 of 2

Client #374427

**INVOICE**

Invoice No.: T388420
 Project No.: F1126201
 Project: Lake Ozark/Osage Beach Joint
 Sewer Bd v. Magruder
 Wood River Road and Scottish
 Landing Road
 Project Mgr: David Dressler

Final Billing

Quantity	Description of Services	Rate	Total
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Continued

Project Management

1.50 Hour(s)	Item Date 10/24/12 - Field Project Manager - David Dressler	\$135.00	\$202.50
1.50 Hour(s)	Item Date 10/25/12 - Field Project Manager - David Dressler	\$135.00	\$202.50
	Subtotal		\$1,451.25

Site Visit

0.50 Hour(s)	Item Date 10/23/12 - Field Project Manager - David Dressler	\$135.00	\$67.50
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Standby

3.50 Hour(s)	Item Date 10/24/12 - Field Project Manager - David Dressler	\$202.50	\$708.75
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Testimony

3.50 Hour(s)	Item Date 10/24/12 - Field Project Manager - David Dressler	\$202.50	\$708.75
3.00 Hour(s)	Item Date 10/25/12 - Field Project Manager - David Dressler	\$202.50	\$607.50
	Subtotal		\$1,316.25

Reimbursables

32.00 Mile(s)	Item Date 10/15/12 - Mileage	\$0.670	\$21.44
32.00 Mile(s)	Item Date 10/18/12 - Mileage	\$0.670	\$21.44
\$107.84 Cost+	Item Date 10/24/12 - Lodging	15%	\$124.02
\$29.52 Cost+	Item Date 10/24/12 - Meals	15%	\$33.95
\$107.84 Cost+	Item Date 10/25/12 - Lodging	15%	\$124.02
415.00 Mile(s)	Item Date 10/25/12 - Mileage	\$0.670	\$278.05
	Subtotal		\$602.92

Invoice Total	\$9,460.42
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TERMS: DUE UPON PRESENTATION OF INVOICE

Created on 12/3/2012

Page 2 of 2

Client #374427



INVOICE

Invoice #HAT-2012023694
10/22/2012

Elizabeth Crotty
ZERGER & MAUER
1100 Main Street
Suite 2100
Kansas City, MO 64105

Send Payments To:
HPS Process Service & Investigations, Inc.
www.hpsprocess.com
1669 Jefferson
Kansas City, MO 64108
Phone: (800) 796-9559
Fax: (855) 796-9801
Tax Num: 43-1796673

Case Number: 110903LRC

Plaintiff/Petitioner:
LAKE OZARK/OSAGE BEACH JOINT SEWER BOARD, et al.

Defendant/Respondent:
DEPARTMENT OF NATURAL RESOURCES LAND RECLAMATION PROGRAM, et al.

Served: 10/12/2012 4:20 pm
To be served on: Kenneth Voss, Transportation Project Manager, MoDot District 5

ITEMIZED LISTING

Line Item	Quantity	Price	Amount
Service Fee	1.00	60.00	60.00
HPS Services/Forwarding Fee	1.00	50.00	50.00
Retrieve Documents at Courthouse	1.00	35.00	35.00
Witness Fee Check	1.00	71.55	71.55
Fee for Advancement of Witness Fee Check	1.00	10.00	10.00
DISCOUNT: HPS/Client Goodwill	1.00	-15.00	-15.00
TOTAL CHARGED:			\$211.55
BALANCE DUE:			\$211.55

HPS has over 30 locations across the Midwest ready to handle all your process service and investigation needs!
Simply go to: www.hpsprocess.com and place your order or email for a quote.

Did you know HPS: DISCOUNTS BULK WORK, ISSUES WITNESS FEE CHECKS, OFFERS DIFFICULT TO FIND
LOCATE SERVICES. All of this and much more is available to you. Please visit our web site for additional information.
Thank you!!



INVOICE

Invoice #HAT-2012023693
10/22/2012

Elizabeth Crotty
ZERGER & MAUER
1100 Main Street
Suite 2100
Kansas City, MO 64105

Send Payments To:
HPS Process Service & Investigations, Inc.
www.hpsprocess.com
1669 Jefferson
Kansas City, MO 64108
Phone: (800) 796-9559
Fax: (855) 796-9801
Tax Num: 43-1796673

Case Number: 110903LRC

Plaintiff/Petitioner:
LAKE OZARK/OSAGE BEACH JOINT SEWER BOARD, et al.

Defendant/Respondent:
DEPARTMENT OF NATURAL RESOURCES LAND RECLAMATION PROGRAM, et al.

Served: 10/11/2012 5:00 pm
To be served on: Gary Prewitt, Prewitt Enterprises, LLC

ITEMIZED LISTING

Line Item	Quantity	Price	Amount
Service Fee	1.00	100.00	100.00
HPS Services/Forwarding Fee	1.00	50.00	50.00
Witness Fee Check	1.00	36.78	36.78
Fee for Advancement of Witness Fee Check	1.00	10.00	10.00
TOTAL CHARGED:			\$196.78
BALANCE DUE:			\$196.78

HPS has over 30 locations across the Midwest ready to handle all your process service and investigation needs!
Simply go to: www.hpsprocess.com and place your order or email for a quote.

Did you know HPS: DISCOUNTS BULK WORK, ISSUES WITNESS FEE CHECKS, OFFERS DIFFICULT TO FIND LOCATE SERVICES. All of this and much more is available to you. Please visit our web site for additional information.
Thank you!!

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: 5492

01-Jan-13

Customer No: 20220

Terms: 30 days

REFERENCE	DESCRIPTION	AMOUNT
	Wastewater Plant operating service for month of: Jan-13 Base Fee	\$23,450.82
pd 3260		
TOTAL DUE		\$23,450.82

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: 5520

Invoice Date: 01-Jan-13

Customer No: 20220

Terms: 30 days

REFERENCE	DESCRIPTION	AMOUNT
	Midway Rental & Sales- 1 Invoice - 50%	\$80.00
	TG Technical Services- 1 Invoice - 50%	\$54.48
	Lowe's- 1 Invoice - 50%	\$55.93
TOTAL DUE		\$190.41

MIDWAY RENTAL & SALES

17003 N. Hwy. 5
Sunrise Beach, MO 65079
(573) 374-6671

2200 S. Bus. 54 Hwy
Eldon, MO 65026
(573) 392-1511

P.O. NO.

Name Alignment Water

Tel. No. 365-0455

Address

Location
Equip. Used

DRIVER'S LICENSE No.		CAR LICENSE No.		ALL equipment must be returned by				DATE/TIME IN <u>17 Dec 2012</u>		
DA/03	OTHER ID	EMPLOYED BY				PHONE				DATE/TIME OUT <u>17 Dec 2012</u>
CC#										
ITEM RENTED		MAXIMUM RENTAL	HOUR	DAY	WEEK END	WEEK	MONTH 4 WEEKS	DEPOSIT		
<u>3" Trash Pump</u>			<u>40⁰⁰</u>	<u>60⁰⁰</u>				TOTAL RENT	<u>160⁰⁰</u>	
								MDSE.		
								DEL./P.U.		
								CLEANING		
								LABOR		
								TAX	<u>13⁰⁰</u>	
								TOTAL DUE	<u>173⁰⁰</u>	
								TOTAL PAID		
								BALANCE		
								REFUND		

CONDITIONS UNDER WHICH EQUIPMENT IS RENTED - All tools and equipment are used at renter's risk. We exercise precaution in keeping our equipment in good condition. Conditions which prevent satisfactory operation of equipment do not relieve renter of his responsibility for rental charges. Renter assumes all responsibility for equipment while out of possession of lessor, and promises to return such equipment to the lessor in as good condition as it was at the effective date of the contract, natural wear from a responsible use excepted. Renter shall be liable for any loss, theft, damage or destruction of rented property.

Renter assumes all risks inherent in the operation and use of Rented Equipment by Renter and/or all associates. Renter agrees to assume entire responsibility for the defense of and to pay, indemnify and hold Less harmless from and release Lessor from any and all claims for damage to property or bodily injury (including death) or for loss of time and inconvenience resulting from the use, operation or possession of Rented Equipment, whether or not it be claimed or found that such damage resulted in whole or in part from Lessor's negligence, from the defective condition of Rented Equipment or from any cause.

All equipment lost or damaged beyond repair will be paid for by the renter at the regular replacement price and all damaged equipment which may be repaired will be repaired by the lessor on return thereof and if cost for such repairs shall be paid by the renter. Accrued rental charges can not be applied against the purchase price or cost of repairs of such damaged or lost equipment. All cartage charges must be borne by renter.

Scheduled rental sales begin when equipment leaves our store and continue until returned thereof. I agree that all charges for rental, damage, cleaning or material will be paid, and that all collector, for attorney fees, court costs, or any expenses involved in the collection of these charges will be borne by the renter.

There are no warranties of merchantability or fitness either expressed or implied which extend beyond the description on the face hereof.

Renter's
Signature

Sally Hutchcraft

A CLEANING CHARGE IS MADE
ON ITEMS RETURNED UNCLEAN

WE CHARGE FOR ALL TIME OUT INCLUDING
SATURDAYS, SUNDAYS, AND MOST HOLIDAYS.

WE SELL TIME, YOUR PROMPT
RETURN SAVES YOU MONEY.

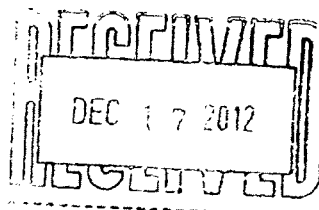
GL Acct#: 6705-20 \$93.00 1220-20 \$80.00

Signature:

Sally Hutchcraft

Date:

12/17/12



4620

TG Technical Services
P.O. Box 775
613 SW 3rd. Street - Suite B
Lees Summit, MO 64063

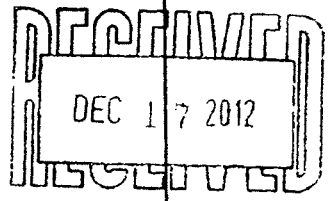
Invoice

Date	Invoice #
12/11/2012	5447

Bill To
Alliance Water Resources Gary Hutchcraft P.O. Box 1985 Lake Ozark, MO 65049

Ship To
Alliance Water Resources Gary Hutchcraft # 3 Anderson Road Lake Ozark, MO 65049

P.O. Number	Terms	Rep	Ship	Via	F.O.B.
Verbal Gary Hut...	Net 30	BK	12/11/2012	Federal Express	PP & A

Quantity	Item Code	Description	Price Each	Amount
1	TG-34SG-IH	3-4 Gas Instrument Calibration - In House X-am 2000 S/N:ARYN-0670	95.00	95.00T
1	Shipping	Shipping and Handling Fee Calibrated by Bill Kimmell on 12.11.2012 via CC Vision with Certificate. 750011615015639 Sales Tax - Lees Summit	13.95	13.95
			7.725%	7.34
GL Acct#:		6705-20 ¹ 61.81 1220-20 ¹ 54.48		
Signature:		<i>Gary Hutchcraft</i>		
Date:		12/17/12		
			4020	
816-524-8100		lisa@tgtechservices.com		Balance Due \$116.29



NEVER STOP
IMPROVING

LOWE'S HOME CENTERS, INC.
950 HIGHWAY 42
OSAGE BEACH, MO 65065 (573) 302-8808

- SALE -

SALES#: S1147882 1635028 TRANS#: 47816716 12-06-12

125493 ELEC.BALLAST 1 OR 2 F32 0	100.48
26.44 DISCOUNT EACH	-1.32
4 @ 25.12	
99500 DURACELL 9V 4PK	11.37
11.97 DISCOUNT EACH	-0.60

SUBTOTAL: 111.05

TAX: 8.64

INVOICE 02938 TOTAL: 120.49

LCC: 120.49

TOTAL DISCOUNT: 5.88

LCC:XXXXXXXXXX1300 AMOUNT:120.49 AUTHCD:000591

SWIPED REFID:816726114702 12/06/12 11:58:46

LBA/PO: JOHN

John Hornback

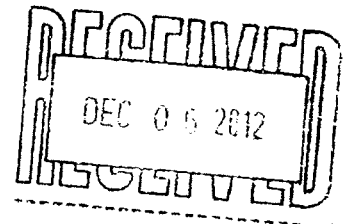
STORE: 1147 TERMINAL: 02 12/06/12 11:59:08

OF ITEMS PURCHASED: 5

EXCLUDES FEES, SERVICES AND SPECIAL ORDER ITEMS



FOR LIGHTING IN
HEADWORKS BLDG.



4020

GL Acct#: 6700-20 \$64.56 1220-20 \$55.93

Signature: *Rory Hultquist*

Date: 12/6/12

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: Melody L Rayl
Zerger Mauer LLP
1100 Main Street
Suite 2100
Kansas City, MO 64105

Invoice #: STL162929
Invoice Date: 10/23/2012
Balance Due: \$ 1,146.95

Case #: 110903LRC

Case: Lake Ozark Osage Beach Joint Sewer et al v. Missouri Department of Nat
Job #: 124679 | Job Date: 10/19/2012 | Delivery: Daily
Billing Atty: Melody L Rayl
Location: Osage Beach City Hall
1000 City Parkway | Osage Beach, MO 65065
Sched Atty: Steven E Mauer | Zerger Mauer LLP

Item	Witness	Description	Units	Qty	Price	Amount
1	Gary Prewitt	Shipping & handling	Package	1.00	\$10.00	\$10.00
2	Gary Prewitt	Transcript and/or Exhibit Archive	1	1.00	\$7.50	\$7.50
3	Gary Prewitt	Jurat prep	1	1.00	\$2.50	\$2.50
4	Gary Prewitt	Transcript - Original & 1 copy	Page	137.00	\$7.35	\$1,006.95
5	Gary Prewitt	Attendance - Hourly	Hour	4.00	\$30.00	\$120.00
Notes:					Invoice Total:	\$1,146.95
Fed. Tax ID: 20-3132569					Payment:	
Term: Due Upon Receipt					Credits:	
					Balance Due:	\$1,146.95

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.

THIS INVOICE IS 56 DAYS PAST DUE, PLEASE REMIT - THANK YOU

Make check payable to: **National Depo**

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Credit Card # _____ Exp. Date _____

SIGNATURE (AS IT APPEARS ON CREDIT CARD) _____

PRINT NAME (AS IT APPEARS ON CREDIT CARD) _____

DAYTIME PHONE _____

Invoice #: STL162929
Job #: 124679
Invoice Date: 10/23/2012
Balance : \$ 1,146.95

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

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 #: STL164683
Invoice Date: 11/12/2012
Balance Due: \$ 640.00

Case #: 110903LRC

Case: Lake Ozark Osage Beach Joint Sewer Board v. Missouri Department of N
Job #: 124815 | Job Date: 10/23/2012 | Delivery: Normal
Billing Atty: Steven E Mauer
Location: Harry S Truman State Office Bldg
301 W High Street | Room 520 | Jefferson City, MO 65109

Item	Witness	Description	Units	Qty	Price	Amount
1	Hearing Vol 2	Transcript - copy/copies	Page	126.00	\$1.75	\$220.50
2	Hearing Vol 1	Transcript - copy/copies	Page	234.00	\$1.75	\$409.50
3	Hearing Vol 1	Shipping & handling	Package	1.00	\$10.00	\$10.00
Notes:					Invoice Total:	\$640.00
Fed. Tax ID: 20-3132569					Payment:	
Term: Due Upon Receipt					Credits:	
					Balance Due:	\$640.00

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

THIS INVOICE IS 36 DAYS PAST DUE, PLEASE REMIT - THANK YOU

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Credit Card # _____ Exp. Date _____

SIGNATURE (AS IT APPEARS ON CREDIT CARD) _____

PRINT NAME (AS IT APPEARS ON CREDIT CARD) _____

DAYTIME PHONE _____

Invoice #: STL164683
Job #: 124815
Invoice Date: 11/12/2012
Balance : \$ 640.00

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

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 #: STL164900
Invoice Date: 11/14/2012
Balance Due: \$ 628.75

Case #: 110903LRC

Case: Lake Ozark Osage Beach Joint Sewer Board v. Missouri Department of N
Job #: 124816 | Job Date: 10/24/2012 | Delivery: Normal
Billing Atty: Steven E Mauer
Location: Harry S Truman State Office Bldg
301 W High Street | Room 520 | Jefferson City, MO 65109

Item	Witness	Description	Units	Qty	Price	Amount
1	Hearing Volume IV	Transcript and/or Exhibit Archive	1	1.00	\$7.50	\$7.50
2	Hearing Volume IV	Transcript - copy/copies	Page	128.00	\$1.75	\$224.00
3	Hearing Volume III	Transcript - copy/copies	Page	227.00	\$1.75	\$397.25
Notes:					Invoice Total:	\$628.75
Fed. Tax ID: 20-3132569					Payment:	
Term: Due Upon Receipt					Credits:	
					Balance Due:	\$628.75

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.

THIS INVOICE IS 34 DAYS PAST DUE, PLEASE REMIT - THANK YOU

Make check payable to: National Depo

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Credit Card # _____ Exp. Date _____

SIGNATURE (AS IT APPEARS ON CREDIT CARD) _____

PRINT NAME (AS IT APPEARS ON CREDIT CARD) _____

DAYTIME PHONE _____

Invoice #: STL164900
Job #: 124816
Invoice Date: 11/14/2012
Balance : \$ 628.75

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

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 #: STL164904
 Invoice Date: 11/14/2012
 Balance Due: \$ 459.00

Case #: 110903LRC

Case: Lake Ozark Osage Beach Joint Sewer Board v. Missouri Department of N Job #: 124817 Job Date: 10/25/2012 Delivery: Normal Billing Atty: Steven E Mauer Location: Harry S Truman State Office Bldg 301 W High Street Room 520 Jefferson City, MO 65109	
--	--

Item	Witness	Description	Units	Qty	Price	Amount
1	Hearing Volume VI	Transcript and/or Exhibit Archive	1	1.00	\$7.50	\$7.50
2	Hearing Volume VI	Transcript - copy/copies	Page	49.00	\$1.75	\$85.75
3	Hearing Volume V	Transcript - copy/copies	Page	209.00	\$1.75	\$365.75
Notes:					Invoice Total:	\$459.00
Fed. Tax ID: 20-3132569					Payment:	
Term: Due Upon Receipt					Credits:	
					Balance Due:	\$459.00

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.

THIS INVOICE IS 34 DAYS PAST DUE, PLEASE REMIT - THANK YOU

Make check payable to: **National Depo**

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Credit Card # _____ Exp. Date _____

SIGNATURE (AS IT APPEARS ON CREDIT CARD) _____

PRINT NAME (AS IT APPEARS ON CREDIT CARD) _____

DAYTIME PHONE _____

Invoice #: STL164904
 Job #: 124817
 Invoice Date: 11/14/2012
 Balance : \$ 459.00

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

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 #: STL165480
 Invoice Date: 11/21/2012
 Balance Due: \$ 386.75

Case #: 110903LRC

Case: Lake Ozark Osage Beach Joint Sewer Board v. Missouri Department of N
 Job #: 125352 | Job Date: 10/30/2012 | Delivery: Normal
 Billing Atty: Steven E Mauer
 Location: Harry S Truman State Office Bldg
 301 W High Street | Room 520 | Jefferson City, MO 65109

Item	Witness	Description	Units	Qty	Price	Amount
1	Hearing	Shipping & handling	Package	1.00	\$10.00	\$10.00
2	Hearing	Transcript and/or Exhibit Archive	1	1.00	\$7.50	\$7.50
3	Hearing	Transcript - copy/copies	Page	211.00	\$1.75	\$369.25
Notes:					Invoice Total:	\$386.75
					Payment:	
					Credits:	
Fed. Tax ID: 20-3132569					Balance Due:	\$386.75
Term: Due Upon Receipt						

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 #: STL165480
 Job #: 125352
 Invoice Date: 11/21/2012
 Balance : \$ 386.75

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

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 #: STL165503
Invoice Date: 11/21/2012
Balance Due: \$ 605.00

Case #: 110903LRC

Case: Lake Ozark Osage Beach Joint Sewer Board v. Missouri Department of N
Job #: 124818 | Job Date: 10/26/2012 | Delivery: Normal
Billing Atty: Steven E Mauer
Location: Harry S Truman State Office Bldg
301 W High Street | Room 520 | Jefferson City, MO 65109

Item	Witness	Description	Units	Qty	Price	Amount
1	Hearing Vol 8	Shipping & handling	Package	1.00	\$10.00	\$10.00
2	Hearing Vol 8	Transcript - copy/copies	Page	106.00	\$1.75	\$185.50
3	Hearing Vol 7	Transcript - copy/copies	Page	234.00	\$1.75	\$409.50
Notes:					Invoice Total:	\$605.00
Fed. Tax ID: 20-3132569					Payment:	
Term: Due Upon Receipt					Credits:	
					Balance Due:	\$605.00

TERMS: Payable upon receipt. Accounts unpaid after 60 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 #: STL165503
Job #: 124818
Invoice Date: 11/21/2012
Balance : \$ 605.00

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

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

Statement Date: 12/28/2012

Previous Balance	Fees	Expenses	Advances	Payments	
1014-0002 Magruder					
147,007.59	8,768.00	400.44	41.69	-70,426.32	<u>\$85,791.40</u>

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

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: 12/28/2012
 Statement No. 2095
 Page No. 1

		<u>Fees</u>			
		Rate	Hours		
11/01/2012					
SEM	Review list of items to be filed by Magruder and briefing schedule; prepare notes regarding outline for our post-trial brief; attorney conference regarding same.	280.00	1.50	420.00	
EDC	Unpack file from hearing in Jefferson City.	160.00	2.30	368.00	
11/05/2012					
SEM	Prepare letter to Mayor Lyons, N. Viselli and E. Rucker regarding strategy; sort materials from trial; prepare memorandum regarding same; prepare letter to opposing counsel regarding same.	280.00	1.00	280.00	
11/06/2012					
SEM	Review statements (no charge); prepare letter to E. Rucker regarding same (no charge); review orders from trial; prepare letter to Mayor Lyons, N. Viselli and E. Rucker regarding same.	280.00	0.50	140.00	
11/07/2012					
SEM	Review filings by T. Duggan; research case from Cape Girardeau County; prepare letter to E. Rucker regarding same; prepare letter to E. Rucker regarding status.	280.00	1.25	350.00	
11/12/2012					
MLR	Draft and revise objections to deposition designation of Dr. Paul Worsey and motion to strike filing of lease agreement.	250.00	3.10	775.00	
11/13/2012					
MLR	Draft and revise motion to strike lease agreement filed by Magruder.	250.00	3.80	950.00	
SEM	Prepare letter to E. Rucker regarding bills. NO CHARGE	280.00			

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

		Rate	Hours	
11/14/2012	MLR			
	SEM			
	Finalize and file objections to designation of Paul Worsey deposition and motion to strike purported lease agreement.	250.00	1.60	400.00
	Review filings by Magruder regarding Dr. Worsey testimony, deposition designations of D. Dressler and lease; legal research regarding lease authentication; prepare letter to E. Rucker regarding same.	280.00	1.50	420.00
11/20/2012	EDC			
	Reorganize and file miscellaneous documents following trial in preparation for post trial briefs.	160.00	2.10	336.00
11/26/2012	SEM			
	Review letter from AHC; prepare letter to client regarding same; prepare letter to E. Rucker regarding bill from expert witness; prepare letter to E. Rucker regarding process service for two witnesses. NO CHARGE	280.00		
11/27/2012	EDC			
	Organize and index transcript in preparation for writing Findings of Fact and Conclusions of Law.	160.00	1.90	304.00
11/28/2012	MLR			
	Draft and revise proposed findings of fact and conclusions of law.	250.00	6.90	1,725.00
	SEM			
	Review bills for transcripts; prepare letter to E. Rucker regarding same; prepare letter enclosing transcript from hearing. NO CHARGE	280.00		
11/29/2012	MLR			
	Draft and revise findings of fact and conclusions of law.	250.00	5.80	1,450.00
11/30/2012	MLR			
	Draft and revise findings of fact and conclusions of law.	250.00	3.40	850.00
	For Current Services Rendered		36.65	8,768.00

Expenses

10/26/2012	Mileage to/from Jefferson City for trial (Elizabeth Crotty)	176.49
11/01/2012	Photocopy charges	57.00
11/01/2012	Photocopy charges	0.60
11/01/2012	Postage	0.45
11/06/2012	Photocopy charges	0.20

City of Osage Beach
Account No. 1014.0002
RE: Magruder

Statement Date: 12/28/2012
Statement No. 2095
Page No. 3

11/06/2012	Postage	0.45
11/07/2012	Photocopy charges	16.20
11/07/2012	Postage	0.90
11/07/2012	Postage	1.30
11/07/2012	Postage	4.20
11/08/2012	Photocopy charges	0.60
11/08/2012	Postage	0.90
11/13/2012	Postage	0.45
11/14/2012	Photocopy charges	107.40
11/14/2012	Postage	0.45
11/14/2012	Postage	27.60
11/27/2012	Photocopy charges	2.20
11/27/2012	Postage	1.80
11/28/2012	Photocopy charges	0.80
11/28/2012	Postage	0.45
	Total Expenses	<u>400.44</u>

Advances

11/30/2012	Online legal research	41.69
	Total Advances	<u>41.69</u>
	Total Current Work	9,210.13
	Previous Balance	\$147,007.59

Payments

11/30/2012	Payment	-43,238.76
12/13/2012	Payment	<u>-27,187.56</u>
	Total Payments	-70,426.32
	Balance Due	<u>\$85,791.40</u>

Zerger and Maur LLP Balance Sheet

Date	Description	Amount
11/19/2012	Statement # 2006	\$ 103,768.83
12/13/2012	Check # 3255	\$ (27,187.56)
12/28/2012	Statement # 2095	\$ 9,210.13
	Current Balance	\$ 85,791.40
1/15/2013	Check # 3265 (Pending)	\$ (6,133.55) ✓
	New Balance	\$ 79,657.85

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

Account Number	Account Name	12/31/2013					Percent YTD
		2010 Actual	2011 Actual	2012 Budget	2012 Actual as of 12/31/2013	2012 December Revenue	
3020	Osage Beach	407,036.02	399,428.80	401,800.00	403,305.55	34,516.78	100%
3010	Lake Ozark	92,130.61	90,571.18	88,200.00	86,694.44	6,316.55	98%
	Generator Grant			240,000.00	0.00		0%
3100	Interest	136.11	804.37	400.00	537.49	6.67	134%
3060	Waste Haulers' Fee	41,630.00	39,457.00	38,000.00	40,820.00	4,800.00	107%
Total Operating Fund		540,932.74	530,261.35	768,400.00	531,357.48	45,640.00	69%
E/R Fund Income		1,645.40	1,355.61	1,000.00	1,374.82	0.69	137%
TOTAL INCOME		542,578.14	531,616.96	769,400.00	532,732.30	45,640.69	69%

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

12/31/2013

Account Number	Account Name	2010 Actual	2011 Actual	2012 Budget	2012 Actual as of 12/31/2013	2012 December Expenses	Percent YTD
4000	Equipment Replace Fund	41,606.04	41,606.04	41,606.04	41,606.04	3,457.17	100%
4010	ERF Repayment	27,961.44	27,961.44	27,961.44	27,961.44	2,330.12	100%
4020	**Maintenance & Repair	15,611.62	46,319.94	95,500.00	88,400.79	60.92	93%
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	5,649.28	159.12	81%
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	272,948.40	22,745.70	101%
4185	Electric	0.00	61,407.39	78,000.00	60,862.46	3,050.15	78%
4190	Miscellaneous	0.00	0.00	0.00	0.00	0.00	0%
4200	Audit	1,600.00	1,650.00	1,700.00	1,700.00	0.00	100%
4220	***Professional Service	24,828.71	19,298.33	30,000.00	168,904.97	44,000.00	563%
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	696,995.38	75,813.18	79%
	**E/R Expenses	31,809.73	1,523.00	10,000.00	5,368.50		54%
	TOTAL EXPENSES	484,784.19	507,495.01	888,267.48	702,363.88	75,813.18	79%
	***Professional Services:						
	Normal/Magruder Lawsuit		25,000.00				
			25,000.00				
	*Capital Purchase Detail:						
	400 kw Generator Installed						300,000.00
	PAID 11/12 Sampler Pump for Influent Sample						2,000.00
							302,000.00
	**Maintenance & Repair						
	PAID 05/12 UV Spare Parts						5,000.00
	Replace Wooden d/s w/ Fiberglass						2,000.00
	PAID 10/12 Auto Dialer Yearly Software Fee						407.40
	Rock for Road						2,000.00
	Normal Maintenance						6,000.00
	#1 Aeration Basin Main						40,000.00
	PAID 10/12 #2 Clarifier Sandblast and Repaint						39,330.00
							94,737.40

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OPERATING FUND INCOME AND EXPENSE SUMMARY
12/31/2012

Beginning Balance	66,762.88
Income - Osage Beach	34,516.78
Income - Lake Ozark	6,316.55
Income - Other	0.00
Income - Waste Haulers' Fees	4,800.00
Interest - Checking	6.67
Income - CD Interest	0.00
Transfers From E/R Fund	0.00
Transfers to E/R fund	5,797.29
Expenses	-70,015.89
 Ending Fund Balance	 36,589.70
 NOW Account - Central Bank	 63,777.26
Outstanding Checks:	-27,187.56
Deposit in Transit:	0.00
	36,589.70

EQUIPMENT REPLACEMENT FUND INCOME AND EXPENSE SUMMARY
12/31/2012

Beginning Balance	303,232.34
Interest - Checking	0.69
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	 309,030.32
 NOW Account - First Bank	 19,244.87
CD First National Bank, 07/13 #000048178	113,061.13
CD Providence Bank, 1.05% 04/19/13	75,592.72
CD First National Bank, 01/13 #000049153	101,131.60
Deposit in Transit	0.00
Outstanding Checks:	0.00
	309,030.32

CASH FLOW ANALYSIS - OPERATING FUND 2013

Lake Ozark and Osage Beach Joint Wastewater Treatment Plant		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	BUDGET
	CASH BALANCE	36,590	33,544	30,498	27,453	3,407	361	(2,685)	(731)	(527)	1,429	4,272	7,117	
	Osage Beach	37,583	37,583	37,583	37,583	37,583	37,583	37,583	37,583	37,583	37,583	37,583	37,583	37,583
	Lake Ozark	8,250	8,250	8,250	8,250	8,250	8,250	8,250	8,250	8,250	8,250	8,250	8,250	8,250
	Interest	17	17	17	17	17	17	17	17	17	17	17	17	17
	Waste Haulers' Fees	3,167	3,167	3,167	3,167	3,167	3,167	3,167	3,167	3,167	3,167	3,167	3,167	3,167
	Transfers to ER Fund	(5,798)	(5,798)	(5,798)	(5,798)	(5,798)	(5,798)	(5,798)	(5,798)	(5,798)	(5,798)	(5,798)	(5,798)	(5,798)
	Equip & Bldg Repair/Main	(5,542)	(5,542)	(5,542)	(5,542)	(5,542)	(5,542)	(5,542)	(5,542)	(5,542)	(5,542)	(5,542)	(5,542)	(5,542)
	Insurance	(250)	(250)	(250)	(250)	(250)	(250)	(250)	(250)	(250)	(250)	(250)	(250)	(250)
	Vehicle Repair/Main	(889)	(889)	(889)	(889)	(889)	(889)	(889)	(889)	(889)	(889)	(889)	(889)	(889)
	Haulers Fees to Contractor	(23,417)	(23,417)	(23,417)	(23,417)	(23,417)	(23,417)	(23,417)	(23,417)	(23,417)	(23,417)	(23,417)	(23,417)	(23,417)
	Contract Management	(6,167)	(6,167)	(6,167)	(6,167)	(6,167)	(6,167)	(6,167)	(6,167)	(6,167)	(6,167)	(6,167)	(6,167)	(6,167)
	Electric	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)
	Audit													
	Professional Services													
		33,544	30,498	27,453	3,407	361	(2,685)	(731)	(527)	1,429	4,272	7,117	10,312	114,449

67,000

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**OPERATING FUND
BALANCE SHEET
12/31/2012**

		DEBITS	CREDITS
ASSETS	CASH AND INVESTMENTS	36,589.70	
ACCOUNTS PAYABLE	DUE TO E.R. FUND - BASIN		27,073.54
EQUITY	FUND BALANCE		9,516.16
TOTAL OPERATING FUND		36,589.70	36,589.70

**EQUIPMENT REPLACEMENT FUND
BALANCE SHEET
12/31/2012**

		DEBITS	CREDITS
ASSETS	CASH AND INVESTMENTS	309,030.32	
ACCOUNTS RECEIVABLE	DUE FROM OPERATING FUND - BASIN	27,073.54	
EQUITY	FUND BALANCE		336,103.86
TOTAL EQUIPMENT REPLACEMENT FUND		336,103.86	336,103.86

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CHECK REGISTER - JOINT SEWER BOARD OPERATION FUND

	reconciled balance 9/30/12			77,196.65
3236	Zerger & Mauer	X	38,264.75	38,931.90
3230	Alliance Water Resources, Inc.	X	22,745.70	16,186.20
3231	Ameren UE	X	4,652.64	11,533.56
3232	ER Fund Transfer	X	2,330.12	9,203.44
3233	ER Fund Loan Payment	X	3,467.17	5,736.27
3234	Alliance Water Resources, Inc.	X	123.23	5,613.04
3235	Mission Comm	X	407.40	5,205.64
3238	Midwest Litigation	X	419.20	4,786.44
3237	HDR Engineering	X	5,000.00	(213.56)
	Deposit	X		2,900.00
	Deposit	X		6,606.03
	Deposit	X		34,227.30
	Deposit	X		64.62
	Deposit	X		160.00
	Interest	X		7.07
3239	Hogan's Inc.	X	39,330.00	4,421.46
	reconciled balance 10/31/12			4,421.46
3240	Ameren UE	X	3,588.07	833.39
3241	Alliance Water Resources, Inc.	X	22,745.70	(21,912.31)
3242	ER Fund Transfer	X	2,330.12	(24,242.43)
3243	ER Fund Loan Payment	X	3,467.17	(27,709.60)
3244	Alliance Water Resources, Inc.	X	1,991.21	(29,700.81)
3246	Allen Surveying	X	34.00	(29,734.81)
3247	Fedex	X	30.47	(29,765.28)
3248	Midwest Litigation	X	4,011.50	(33,776.78)
3249	Iris Data Services	X	850.26	(34,627.04)
	Deposit	X		2,660.00
	Deposit	X		6,616.33
	Deposit	X		34,217.00
	Deposit	X		101,131.60
	Interest	X		3.75
	reconciled balance 11/30/12			110,001.64
3245	Zerger & Mauer	X	43,238.76	66,762.88
3252	Ameren UE	X	3,050.15	63,712.73
3253	Alliance Water Resources, Inc.	X	22,745.70	40,967.03
3254	Alliance Water Resources, Inc.	X	220.04	40,746.99
3256	Dressler Consultants	X	16,404.11	24,342.88
3257	HPS	X	408.33	23,934.55
3258	ER Fund Transfer	X	2,330.12	21,604.43
3259	ER Fund Loan Payment	X	3,467.17	18,137.26
	Deposit	X		4,800.00
	Deposit	X		34,516.78
	Deposit	X		6,316.55
	Interest	X		6.67
	reconciled balance 12/30/12			63,777.26



P.O. Box 4500, Jefferson City, MO 65102
(573) 348-2761 001920

Return Service Requested

By federal law, as of 1/1/2013, funds in a noninterest-bearing transaction acct (including IOLTA) will no longer receive unlimited deposit insurance coverage, but is FDIC-insured to the legal maximum of \$250,000 for each ownership category.



Period 12/01/2012-12/31/2012 Page 1 of 2

Web Address

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

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Your Financial Summary on December 31, 2012

Account Balances & Other Assets

Checking \$ 63,777.26
\$ 63,777.26

Detailed Explanation of Account Balances and Other Assets

Checking

Beginning Balance November 30, 2012 \$ 110,001.64

Deposits

Dec. 10 Deposit 4,100.00
Dec. 12 Deposit 34,516.78
Dec. 14 Deposit 6,316.55
Dec. 20 Deposit 700.00
Dec. 31 Interest Earned 6.67

Total +\$ 45,640.00

Checks

Check No.	Date Paid	Amount	Check No.	Date Paid	Amount
3245	Dec. 06	43,238.76	3256	Dec. 17	16,404.11
3252	Dec. 18	3,050.15	3257	Dec. 19	408.33
3253	Dec. 17	22,745.70	3258	Dec. 14	2,330.12
3254	Dec. 17	220.04	3259	Dec. 14	3,467.17

Total -\$ 91,864.38

Ending Balance December 31, 2012 \$ 63,777.26

Number of days since last statement/interest cycle 31
Beginning and ending dates for calculation of statement/interest cycle are 12/01/2012 through 12/31/2012
Average collected balance 78,734.00
Interest rate 0.10%
Annual percentage yield earned 0.10%
Interest earned year to date 87.15

CHECK REGISTER - JOINT SEWER BOARD EQUIPMENT REPLACEMENT FUND

	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
	Interest	X	15.89	102,521.32
	Deposit	X	5,797.29	108,318.61
	reconciled balance 9/30/12			108,318.61
	Interest	X	19.90	108,338.51
	Deposit	X	5,797.29	114,135.80
	reconciled balance 10/31/12			114,135.80
1002	Check	X	101,131.60	13,004.20
1003	Check	X	1,113.50	11,890.70
1004	Check	X	4,255.00	7,635.70
	Interest	X	13.90	7,649.60
	Deposit	X	5,797.29	13,446.89
	reconciled balance 11/30/12			13,446.89
	Interest	X	0.69	13,447.58
	Deposit	X	5,797.29	19,244.87
	reconciled balance 12/31/12			19,244.87



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

536 00010 26
ACCOUNT:
DOCUMENTS:

PAGE: 1
12/31/2012

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

NOTICE OF EXPIRATION OF THE TEMPORARY FULL FDIC INSURANCE COVERAGE FOR
NONINTEREST-BEARING TRANSACTION ACCOUNTS
By operation of federal law, beginning Jan. 01, 2013, funds deposited in
a noninterest-bearing transaction account (including an Interest on
Lawyer Trust Account) no longer will receive unlimited deposit insurance
coverage by the Federal Deposit Insurance Corporation (FDIC). Beginning
Jan. 01, 2013, all of a depositor's accounts at an insured depository
institution, including all noninterest-bearing transaction accounts, will
be insured by the FDIC up to the standard maximum deposit insurance
amount (\$250,000), for each deposit insurance category.
For more information about FDIC insurance for noninterest-bearing
transaction accounts, visit <http://www.fdic.gov/deposit/deposit-expiration.html>

BUSINESS MMDA ACCOUNT

LAST STATEMENT 11/30/12 13,446.89
2 CREDITS 5,797.98
DEBITS .00
THIS STATEMENT 12/31/12 19,244.87

REF #.....DATE.....AMOUNT REF #.....DATE.....AMOUNT REF #.....DATE.....AMOUNT
12/13 5,797.29

DESCRIPTION OTHER CREDITS DATE AMOUNT
INTEREST 12/31 .69

AVERAGE LEDGER BALANCE: 17,000.06 INTEREST EARNED: .69
AVERAGE AVAILABLE BALANCE: 16,252.03 DAYS IN PERIOD: 31
INTEREST PAID THIS PERIOD: .69 ANNUAL PERCENTAGE YIELD EARNED: .05%
INTEREST PAID 2012: 139.22

*** 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

Elsberry

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 November 2012

Submitted by Alliance Water Resources, Inc. for the

January 2013

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	1.6	2.2	NA	0
Peak Day	2.0	2.4	7.9	0
Percent Removal	99.4	99.2	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 0.904 MGD or 30% of Permitted flow with Lake Ozark contributing 15% of the total flow and Osage Beach contributing 85%. 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 60185 pounds of BOD.

BIOSOLIDS APPLICATION AND INVENTORY

Plant personnel land applied 52 tanker loads of bio-solids during the month equivalent to a total of 192,400 gallons and 62,487 pounds dry weight solids.

483,762 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 205,000 gallons with a level of 2.0 feet in Tank 1 and 2.0 feet in Tank 2.

WASTEHAULERS

The plant received 32 loads of septage during the month totaling 66,500 gallons.

WWTP OPERATIONS

- Decanting digesters and wasting weekly.
- Normal operations.
- We were able to leave one aerator in each ditch off again this month, including weekends.
- We shut down the UV system on the 1st of November.
- We put Clarifier #2 back online on the 13th of November.

WWTP MAINTENANCE AND REPAIR

- Performed routine maintenance throughout the month as per Antero Maintenance Data Management schedule. (New version of Operator 10 Software)
- We got the new skimmer motor mechanism put back on Clarifier #1 on the 7th and is working great.
- We pulled all the UV modules, cleaned them up and put them in the UV control room for winter storage on the 14th.
- We took #1 Clarifier offline on the 16th for annual inspection and maintenance.

SAFETY

- We conducted our monthly routine Safety Meeting on Lockout / Tagout on the 13th of November.

REGULATORY AGENCY, INSPECTION AND REPORTS

- Mailed DMR to MDNR on the 7th of December.
- We received our 4th Quarter 503 sludge test results on 14th of November and everything looked good. (see attachment)

MISCELLANEOUS AND RECOMMENDATIONS

TABLE A
LAKE OZARK/OSAGE BEACH WWTP

MONTH OF November 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-Nov		0.124	0.665	0.789	15.7	84.3						
2-Nov		0.141	0.744	0.885	15.9	84.1						
3-Nov		0.143	0.792	0.935	15.3	84.7	185	275	265	150	302	302
4-Nov		0.180	0.927	1.107	16.3	83.7						
5-Nov		0.158	0.872	1.030	15.3	84.7						
6-Nov		0.132	0.824	0.956	13.8	86.2						
7-Nov		0.123	0.754	0.877	14.0	86.0						
8-Nov		0.159	0.771	0.930	17.1	82.9						
9-Nov		0.159	0.793	0.952	16.7	83.3	185	223	248	156	218	212
10-Nov		0.160	0.911	1.071	14.9	85.1						
11-Nov		0.168	0.954	1.122	15.0	85.0						
12-Nov	0.9	0.175	1.073	1.248	14.0	86.0						
13-Nov		0.127	0.738	0.865	14.7	85.3						
14-Nov		0.130	0.668	0.798	16.3	83.7						
15-Nov		0.121	0.670	0.791	15.3	84.7						
16-Nov		0.116	0.667	0.783	14.8	85.2	230	278	260	212	340	270
17-Nov		0.126	0.703	0.829	15.2	84.8						
18-Nov		0.136	0.778	0.914	14.9	85.1						
19-Nov	0.2	0.138	0.769	0.907	15.2	84.8						
20-Nov		0.115	0.747	0.862	13.3	86.7						
21-Nov		0.124	0.735	0.859	14.4	85.6	255	298	285	194	324	254
22-Nov		0.134	0.728	0.862	15.5	84.5						
23-Nov		0.134	0.750	0.884	15.2	84.8						
24-Nov		0.149	0.889	1.038	14.4	85.6						
25-Nov		0.118	0.689	0.807	14.6	85.4						
26-Nov		0.142	0.738	0.880	16.1	83.9						
27-Nov		0.115	0.645	0.760	15.1	84.9						
28-Nov		0.120	0.643	0.763	15.7	84.3						
29-Nov		0.126	0.659	0.785	16.1	83.9						
30-Nov		0.120	0.700	0.820	14.6	85.4	220	288	273	176	280	292
SUM	1.1	4.113	22.996	27.109								
AVG		0.137	0.767	0.904	15	85	215	272	266	178	293	266
NOTE: BOLD PRINT INDICATES WEEKEND DAYS												

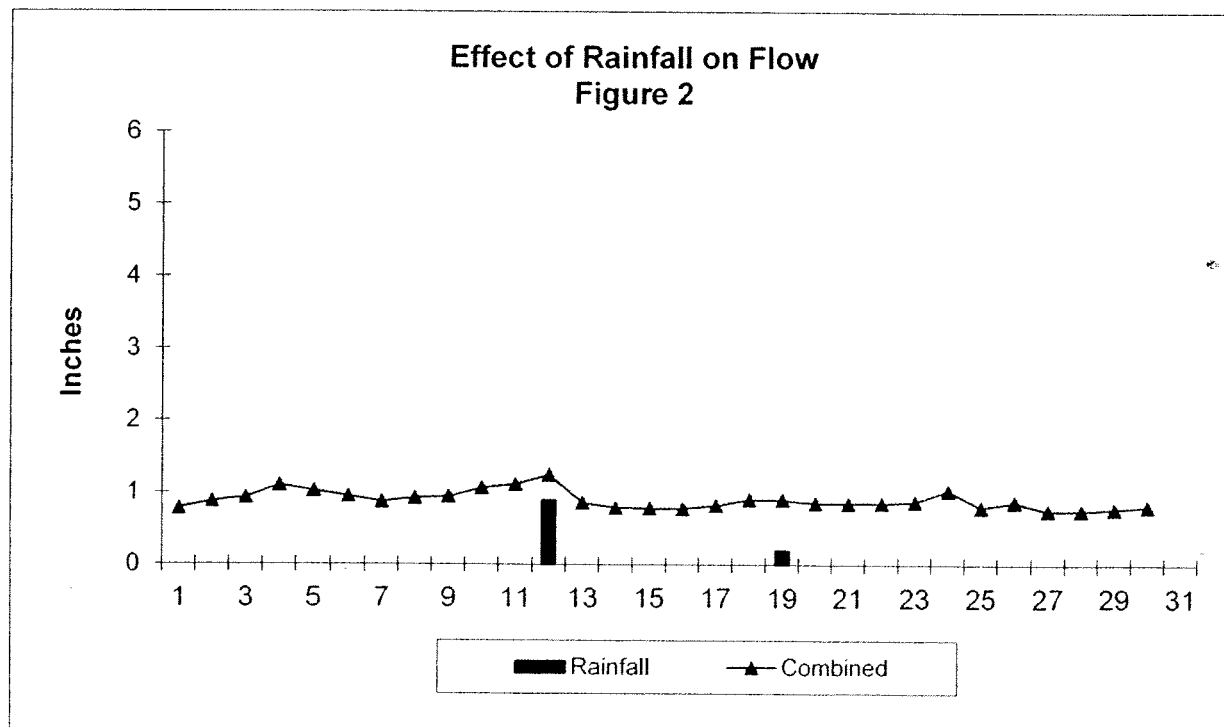
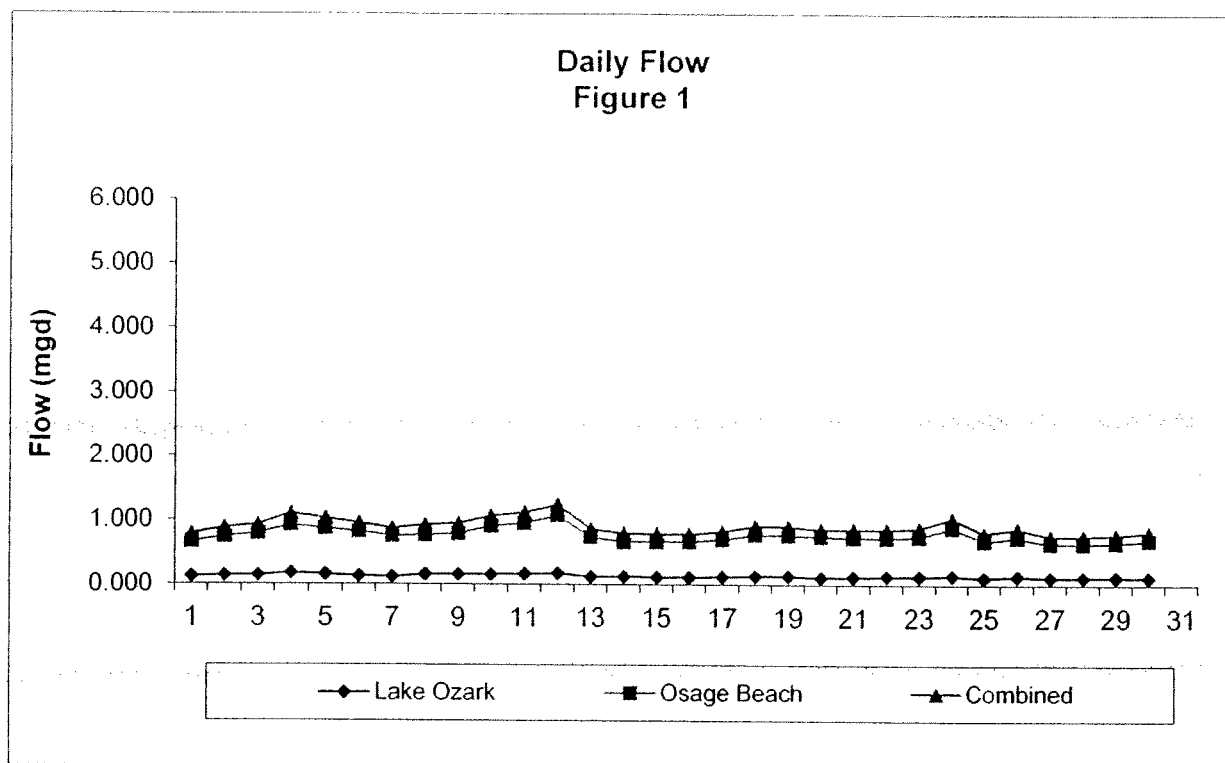
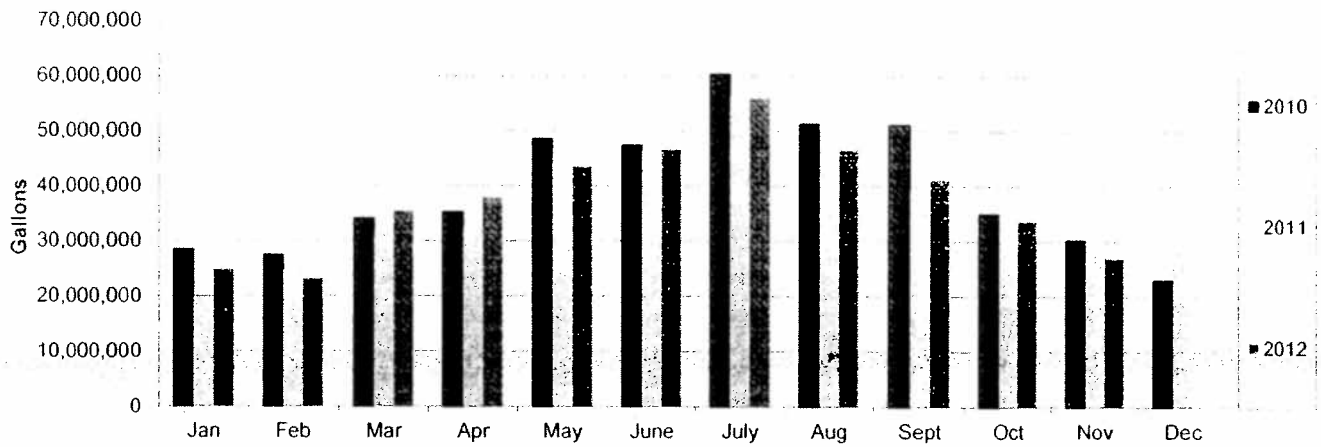


TABLE B
JOINT SEWER BOARD

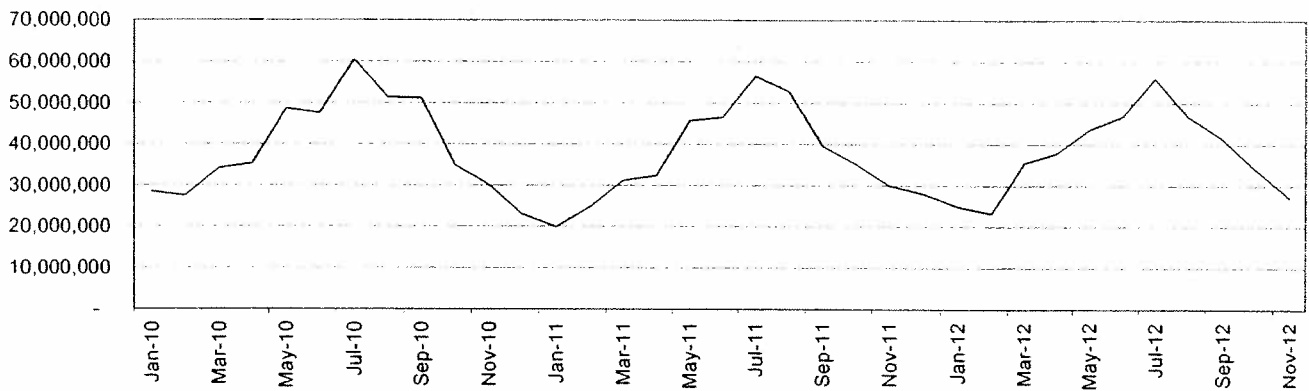
Monthly Flows

<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	6.5	34,629,000	84%	6,696,000	16%	41,325,000	100%
October	3.6	28,634,000	85%	5,240,000	15%	33,874,000	100%
November	1.1	22,996,000	85%	4,113,000	15%	27,109,000	100%
December							
	33.8	345,815,000	83%	67,560,000	17%	417,488,000	100%

Monthly Influent Flow
Figure 3A

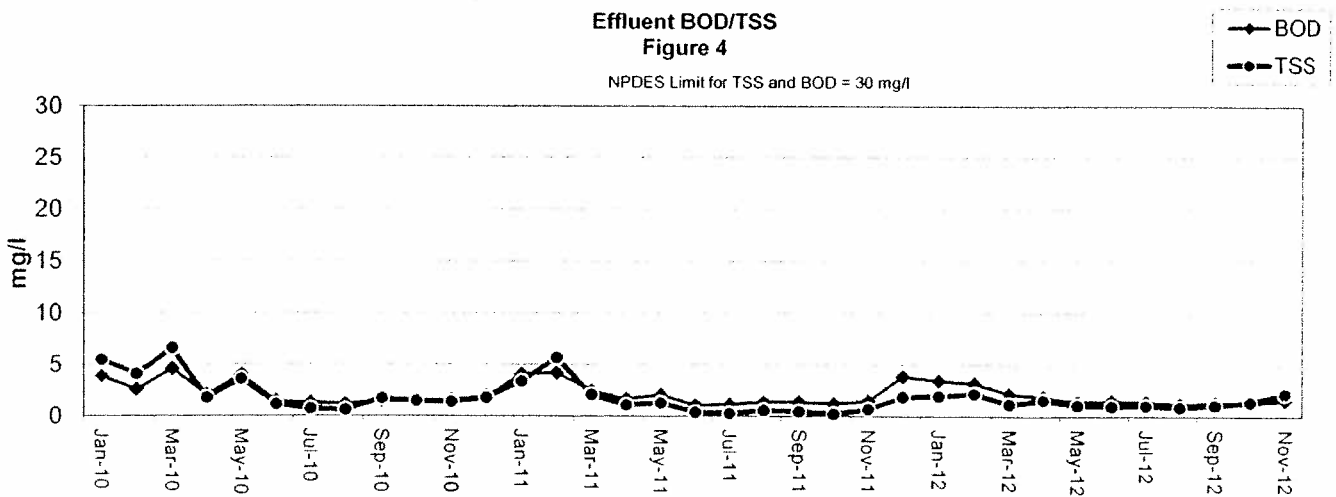


Monthly Influent Flow
Figure 3B



Effluent BOD/TSS
Figure 4

NPDES Limit for TSS and BOD = 30 mg/l

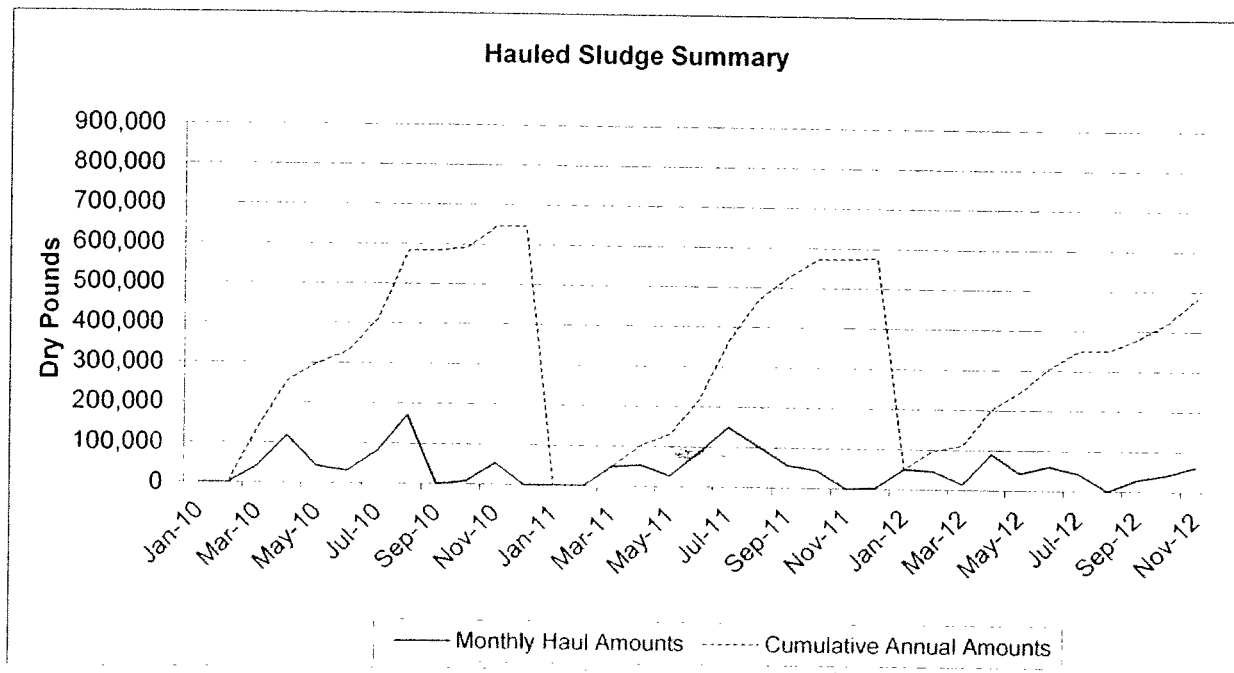
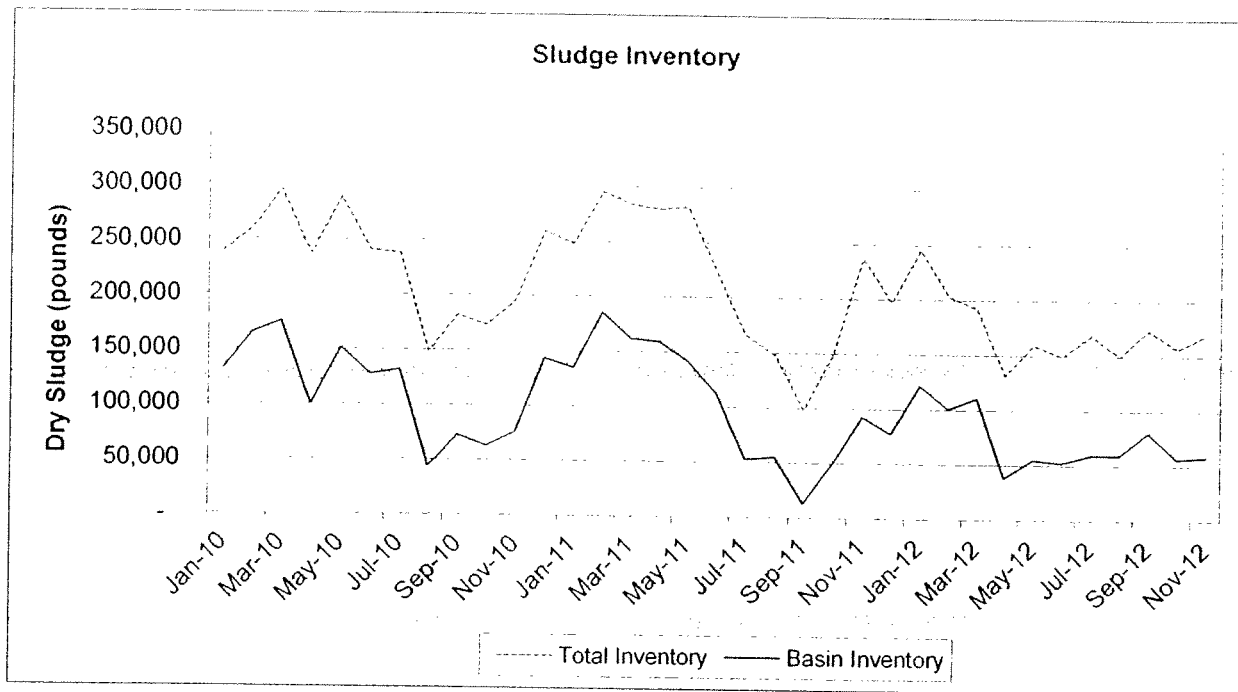


Date	Loads	Hauled Sludge			Annual Cumulative # Dry	Annual Cumulative % Dry
		Gallons	# Dry	% Solids		
Jan-10	0	-	0	4.4%	-	-
Feb-10	0	-	0	4.4%	-	-
Mar-10	37	136,900	42,800	3.7%	136,900	3.7%
Apr-10	101	373,700	119,328	3.8%	510,600	3.8%
May-10	31	114,700	43,047	4.5%	624,300	4.5%
Jun-10	30	111,000	31,506	3.4%	735,300	3.4%
Jul-10	68	251,600	82,206	3.9%	986,500	3.9%
Aug-10	141	521,700	171,540	3.9%	1,508,000	3.9%
Sep-10	0	-	0	3.9%	1,508,000	3.9%
Oct-10	9	33,300	8,517	3.1%	1,541,300	3.1%
Nov-10	39	144,300	54,094	4.5%	1,685,390	4.5%
Dec-10	0	-	0	4.5%	1,685,390	4.5%
Jan-11	0	-	0	4.5%	1,685,390	4.5%
Feb-11	0	-	0	4.5%	1,685,390	4.5%
Mar-11	43	159,100	49,803	3.8%	1,844,190	3.8%
Apr-11	45	166,500	53,692	3.9%	1,999,680	3.9%
May-11	24	88,800	28,051	3.8%	2,087,480	3.8%
Jun-11	78	288,600	85,043	3.5%	2,375,080	3.5%
Jul-11	138	510,600	150,712	3.5%	2,885,680	3.5%
Aug-11	91	336,700	103,837	3.7%	3,021,410	3.7%
Sep-11	52	192,400	57,488	3.6%	3,178,890	3.6%
Oct-11	33	122,100	45,361	4.5%	3,300,950	4.5%
Nov-11	0	-	0	4.5%	3,300,950	4.5%
Dec-11	5	18,500	3,549	2.3%	3,319,450	2.3%
Jan-12	46	170,200	51,317	3.6%	3,490,750	3.6%
Feb-12	42	155,400	46,472	3.6%	3,646,150	3.6%
Mar-12	12	44,400	14,627	4.0%	3,700,550	4.0%
Apr-12	86	318,200	90,939	3.4%	4,019,450	3.4%
May-12	47	173,900	42,646	2.9%	4,193,350	2.9%
Jun-12	56	207,200	60,513	3.5%	4,400,850	3.5%
Jul-12	45	166,500	44,127	3.2%	4,566,950	3.2%
Aug-12	0	-	0	0.0%	4,566,950	0.0%
Sep-12	33	122,100	29,161	2.9%	4,696,050	2.9%
Oct-12	40	148,000	41,473	3.4%	4,844,500	3.4%
Nov-12	52	192,400	62,487	3.9%	4,946,950	3.9%

Date	Basin Depths			# Dry	Basin Gallons
	Tank #1	Tank #2	AB #1		
Jan-10	5.0	3.0	0.0	360,000	132,106
Feb-10	5.0	5.0	0.0	450,000	165,132
Mar-10	7.0	5.5	0.0	562,500	175,858
Apr-10	6.0	1.0	0.0	315,000	100,584
May-10	6.0	3.0	0.0	405,000	151,997
Jun-10	7.0	3.0	0.0	450,000	127,727
Jul-10	8.0	1.0	0.0	405,000	132,327
Aug-10	3.0	0.0	0.0	135,000	44,389
Sep-10	2.5	2.5	0.0	225,000	73,184
Oct-10	4.0	1.5	0.0	247,500	63,302
Nov-10	4.5	0.0	0.0	202,500	75,912
Dec-10	4.5	4.0	0.0	382,500	143,552
Jan-11	5.5	2.5	0.0	360,000	135,108
Feb-11	6.0	5.0	0.0	495,000	185,774
Mar-11	7.5	4.0	0.0	517,500	161,993
Apr-11	7.0	4.0	0.0	495,000	159,625
May-11	5.5	4.5	0.0	450,000	142,150
Jun-11	3.5	5.0	0.0	382,500	112,713
Jul-11	4.0	0.0	0.0	180,000	53,130
Aug-11	2.0	2.0	0.0	180,000	55,511
Sep-11	0.0	1.0	0.0	45,000	13,446
Oct-11	3.0	2.5	0.0	135,000	50,153
Nov-11	6.0	3.0	0.0	247,500	92,887
Dec-11	5.5	3.5	0.0	405,000	122,112
Jan-12	4.5	3.0	0.0	337,500	100,929
Feb-12	5.5	2.0	0.0	337,500	111,185
Mar-12	5.5	2.0	0.0	135,000	38,582
Apr-12	3.0	2.0	0.0	225,000	55,177
May-12	1.0	3.0	0.0	180,000	52,569
Jun-12	5.0	0.0	0.0	225,000	59,631
Jul-12	2.5	2.5	0.0	225,000	59,631
Aug-12	4.5	3.0	0.0	337,500	80,605
Sep-12	4.5	0.0	0.0	202,500	56,745
Oct-12	2.0	2.0	0.0	180,000	58,460

Date	Blanket Depths			MLSS Inventory		Blanket Land MLSS Inventory		MLSS		Total Dry	
	Clarf #1	Clarf #2	Clarf #3	MLSS AB #1	MLSS AB #2	Gallons	# Dry	% Solids	% Solids	Solids Inventory	Solids Inventory
Jan-10	1.0	1.0	0.0	3,640	3,460	3,635,524	107,637	0.00355	0.00355	239,743	239,743
Feb-10	2.0	1.0	0.0	3,310	2,910	3,653,286	94,757	0.00311	0.00311	259,989	35
Mar-10	1.0	0.0	1.5	3,940	3,890	3,682,904	120,251	0.00392	0.00392	296,109	13
Apr-10	1.5	4.5	2.0	4,440	4,380	3,731,261	137,234	0.00441	0.00441	237,818	48
May-10	1.5	4.5	2.0	3,930	3,770	3,793,428	137,305	0.00434	0.00434	289,302	48
Jun-10	1.0	1.0	1.0	3,650	3,770	3,678,952	113,832	0.00371	0.00371	241,559	60
Jul-10	2.0	1.0	1.0	3,650	3,250	3,696,714	106,366	0.00345	0.00345	238,692	22
Aug-10	2.5	1.5	1.0	3,300	3,750	3,714,476	104,708	0.00338	0.00338	149,087	96
Sep-10	2.0	2.0	1.0	3,460	3,680	3,704,618	110,301	0.00357	0.00357	182,229	18
Oct-10	1.5	2.5	1.5	4,050	3,640	3,736,190	119,954	0.00384	0.00384	173,603	26
Nov-10	2.0	2.0	2.0	3,520	3,890	3,671,048	116,037	0.00379	0.00379	195,565	16
Dec-10	2.0	2.0	2.0	4,050	3,930	3,653,286	113,495	0.00373	0.00373	259,589	24
Jan-11	2.5	2.0	0.0	3,580	3,679,929	3,657,238	108,872	0.00358	0.00358	246,603	19
Feb-11	1.0	1.0	0.5	4,100	3,940	3,657,238	122,615	0.00402	0.00402	295,546	6
Mar-11	2.0	3.0	2.0	3,130	4,540	3,775,666	120,761	0.00394	0.00394	284,608	25
Apr-11	2.0	2.0	2.5	4,960	3,920	3,779,618	139,958	0.00444	0.00444	280,385	27
May-11	3.0	2.0	2.0	3,500	3,560	3,775,666	111,156	0.00353	0.00353	282,108	39
Jun-11	1.5	2.5	1.0	3,740	3,550	3,714,476	112,917	0.00365	0.00365	223,869	51
Jul-11	2.0	2.0	1.5	2,840	3,110	3,735,190	92,700	0.00298	0.00298	166,047	51
Aug-11	2.5	2.5	1.5	2,530	2,900	3,753,952	85,001	0.00272	0.00272	148,212	47
Sep-11	2.0	2.0	2.0	3,470	2,940	3,723,357	99,524	0.00321	0.00321	98,447	68
Oct-11	2.0	3.0	2.0	4,610	3,775,666	3,775,666	145,165	0.00461	0.00461	149,678	17
Nov-11	3.0	4.0	0.0	3,850	3,724,334	3,724,334	119,585	0.00385	0.00385	238,051	18
Dec-11	2.0	1.5	0.0	4,060	3,662,167	3,662,167	124,002	0.00406	0.00406	197,279	15
Jan-12	1.0	1.0	0.0	3,380	3,635,524	3,635,524	102,483	0.00338	0.00338	246,114	18
Feb-12	2.0	2.0	1.5	2,890	3,736,190	3,736,190	91,016	0.0026	0.0026	192,411	17
Mar-12	2.0	2.5	2.5	2,870	3,060	3,788,499	93,682	0.00297	0.00297	132,264	39
Apr-12	2.0	2.0	2.0	3,070	3,590	3,757,904	104,365	0.00333	0.00333	159,543	26
May-12	1.0	3.0	1.0	3,560	2,690	3,714,476	96,809	0.00313	0.00313	149,378	37
Jun-12	2.0	1.5	1.0	3,650	3,410	3,705,595	109,093	0.00353	0.00353	168,725	55
Jul-12	1.0	2.0	1.5	3,440	2,360	3,718,428	90,399	0.00292	0.00292	150,030	36
Aug-12	2.0	0.0	2.5	3,080	2,910	3,744,094	93,521	0.003	0.003	174,126	36
Sep-12	1.5	0.0	1.5	3,160	3,320	3,691,785	99,758	0.00324	0.00324	156,503	33
Oct-12	0.0	5.0	2.0	3,970	3,090	3,775,666	111,156	0.00353	0.00353	169,616	32

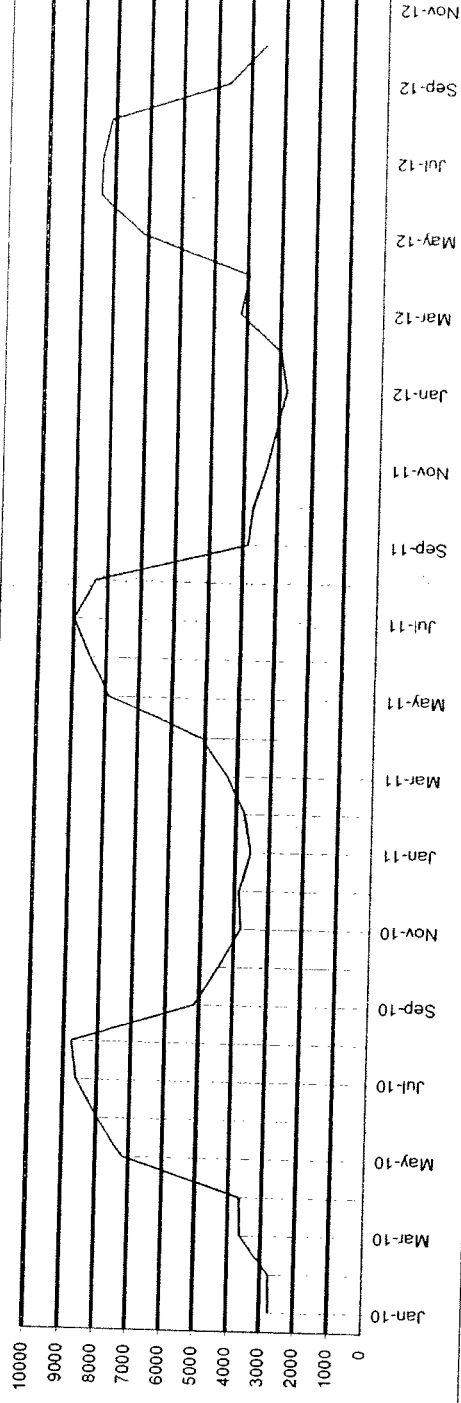
Date	Accepted Septage	
	Loads	Gallon
Jan-10	20	50,500
Feb-10	35	93,000
Mar-10	13	33,000
Apr-10	48	124,000
May-10	60	157,500
Jun-10	22	52,000
Jul-10	96	252,000
Aug-10	18	46,500
Sep-10	26	65,000
Oct-10	16	38,000
Nov-10	24	56,500
Dec-10	19	45,000
Jan-11	6	15,000
Feb-11	25	59,000
Mar-11	27	70,300
Apr-11	39	101,500
May-11	36	96,000
Jun-11	51	127,500
Jul-11	47	118,500
Aug-11	68	175,000
Sep-11	17	42,500
Oct-11	18	45,500
Nov-11	15	37,500
Dec-11	18	43,500
Jan-12	17	42,500
Feb-12	39	103,500
Mar-12	37	86,500
Apr-12	26	65,000
May-12	55	138,000
Jun-12	36	80,000
Jul-12	36	80,000
Aug-12	37	91,500
Sep-12	33	76,500
Oct-12	32	66,500



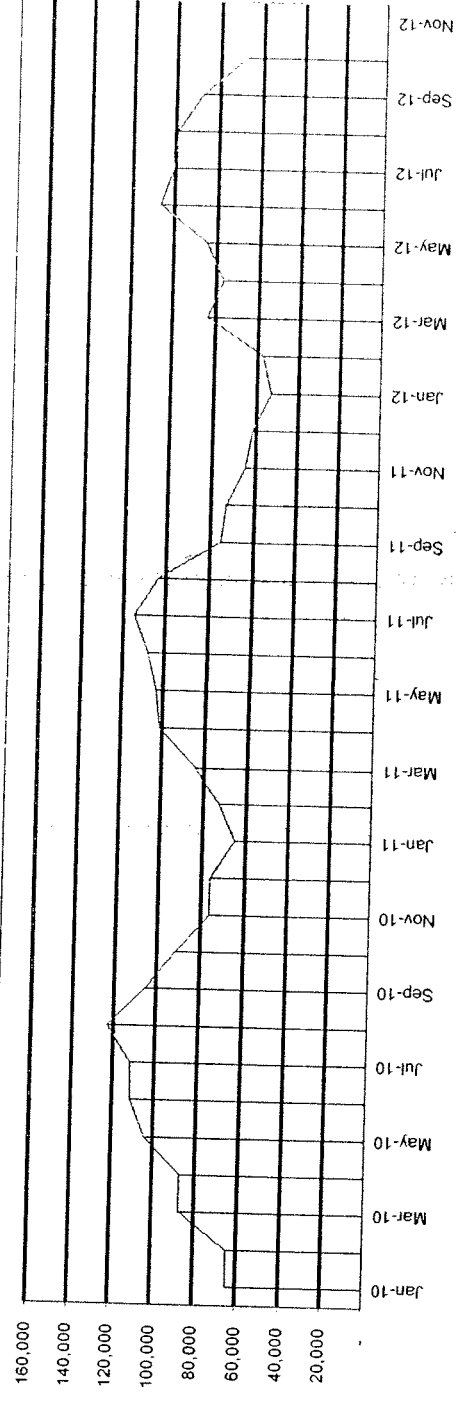
Month Electric Cost Kilowatts Used

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
Sep-12	4653	87,730
Oct-12	3588	67,820

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							
Nov-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	7.1			16.6	1.154	7.8			0.02	7.1		13.1			
2	7.3	265	302	16.6	1.215	7.8	1.1	1.6		6.8		13.9	99.6	99.5	
3	7.3			16.7	1.156	7.7				5.7		14			
4	7.3			15.9	1.469	7.6				6.3		13.7			
5	7.4			16.7	1.382	7.7				6.3		14.3			
6	7.2			17.2	1.329	7.7				6.4		14.2			
7	7.2			16.6	1.169	7.7				6.5		14.2			
8	7.3			15.9	1.288	7.8			0.08	6.7		13.3			
9	7.2	248	212	17.9	1.286	7.8	1.8	2.2		6.4		14.9	99.3	99.0	
10	7.2			18	1.281	7.7				6.0		15.9			
11	7.2			17.7	1.340	7.7				5.9		16.7			
12	7.3			16.6	1.656	7.8				5.8		14.7			
13	7.3			15.9	1.254	7.7				5.6		13.1			
14	7.3			15.5	0.900	7.8				7.0		13			
15	7.2			15.3	1.185	7.7			0.08	7.4		12.3			
16	7.4	260	270	14.9	1.203	7.7	1.7	2.4		7.4		12.2	99.3	99.1	
17	7.4			14.4	1.215	7.7				6.7		11.8			
18	7.3			15.3	1.364	7.6				7.1		12			
19	7.5			15.4	1.323	7.6				7.4		13.2			
20	7.3			15.2	1.281	7.8				6.5		13			
21	7.3	285	254	16.1	1.164	7.9	1.5	2.4	0.03	7.1		13.1	99.5	99.1	
22	7.1			16.6	1.209	7.7				7.2		13.6			
23	7.2			15.6	1.202	7.8				6.4		13.1			
24	7.3			15.2	1.451	7.7				6.9		12.3			
25	7.3			15.5	1.239	7.7				6.5		12.5			
26	7.2			14.8	1.148	7.9				6.1		11.6			
27	7.4			13.6	1.195	7.7				8.1		10.6			
28	7.3			13.2	1.272	7.8				7.4		10.1			
29	7.3			14.8	1.271	7.9			0.02	7.8		10.7			
30	7.4	273	292	14.2	1.272	7.8	2.0	2.2		6.9		11.2	99.3	99.2	
Total					37.873										
Avg		266	266	16	1.262		1.6	2.2	0.05	6.7	0.0	13.1	99.4	99.2	
Min	7.1	248	212	13	0.900	7.6	1.1	1.6	0.02	5.6	0.0	10.1	99.3	99.0	
Max	7.5	285	302	18	1.656	7.9	2.0	2.4	0.08	8.1	0.0	16.7	99.6	99.5	

MONTHLY EFFLUENT MONITORING		QUARTERLY EFFLUENT MONITORING	
DATE	Oil & Grease mg/L	Selenium µg/L	Zinc µg/L
1			
2			
3			
4			
5	< 5.0		
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
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 Temp ° F	*RAIN inches	Time
		* DO mg/l	** MLSS mg/l	*Settleability		* DO mg/l	** MLSS mg/l	*Settleability				
				*30 min ml	Temp ° C			*30 min ml	Temp ° C			
1	5,554	4.7	3,150	280	13.3	4.8	3,380	300	13.8	36		7:30
2	7,406	3.1	2,940	230	14.2	2.8	3,230	270	14.3	42		7:30
3		3.9	3,160	300	14	3.5	2,950	280	14.1	44		7:30
4		3.8	3,470	330	13.3	3.5	2,730	280	13.6	37		7:30
5		2.1	3,530	350	14.4	3	2,740	270	14.3	49		7:30
6		1.6	3,130	280	14.2	2.7	3,270	320	14.3	46		7:30
7		1.8	3,460	310	14.2	3.6	3,100	270	14.2	45		7:30
8		2.2	3,290	250	13.8	3.8	3,350	270	13.7	34		7:30
9		1.2	3,580	270	15.6	1.5	3,250	260	15.8	52		7:30
10		1.5	3,230	280	16.3	2.2	3,230	270	16.1	58		7:30
11		1.3	3,490	300	17.1	1.5	3,340	290	17	66		7:30
12		1.7	3,330	290	14.3	1.7	3,400	300	14.3	32	0.9	7:30
13		2.5	2,980	270	12.7	3	3,400	360	12.8	28		7:30
14		4.0	3,070	280	12.4	2.7	3,210	340	12.7	34		7:30
15		4.1	3,280	320	11.8	3.3	3,050	310	12.3	32		7:30
16		3.1	3,430	320	11.9	3.8	3,130	330	12.1	34		7:30
17		3.7	3,580	370	11.7	4.1	2,710	280	12.1	32		7:30
18		2.3	3,730	360	11.8	4.2	2,950	300	12.2	33		7:30
19		2.2	3,480	370	13.1	3.3	3,190	320	13.2	50	0.2	7:30
20	11,726	2.9	3,470	300	13.3	2.5	4,020	410	13.4	41		7:30
21	9,628	2.3	3,420	300	13.5	4.3	3,860	390	13.4	37		7:30
22		2.3	3,760	350	14	4.4	3,600	360	13.7	52		7:30
23		1.0	3,980	400	13.4	2.7	3,360	340	13.3	43		7:30
24		1.0	4,250	450	12.5	2.7	3,090	300	12.3	36		7:30
25		1.3	4,360	530	12.6	3	3,060	280	12.6	37		7:30
26		2.2	4,200	520	11.5	2.5	3,080	300	11.8	37		7:30
27		1.4	3,730	420	10.3	4	3,300	450	10.3	23		7:30
28	5,925	2.6	3,240	310	10.1	3.8	3,710	470	10.3	25		7:30
29	10,831	2.8	3,680	400	10.8	4.8	3,540	400	10.8	33		7:30
30	11,417	1.3	3,970	500	11.9	3.3	3,090	350	12.1	38		7:30

COMMENTS:

TESTS PERFORMED BY (PRINT) Frank Hendricks	SIGNATURE <i>Frank Hendricks</i>	PHONE # (573)365-0455	DATE 12/6/2012
REPORT APPROVED BY (PRINT) Gary Hutchcraft	SIGNATURE <i>Gary Hutchcraft</i>	PHONE # (573)365-0455	DATE 12/6/2012

*Required Daily (Monday - Friday)

P.76

**Required 1/week

LAKE OZARKOSAGE BEACH WWTP
Operation Report

Year: November 2012
Month: 12/6/2012

Station	Flow	Plant Influent										Plant Effluent										Wastewater Treatment Plant									
		Flow	Temp	pH	DO	SS	TSS	Ammonia	Nitrite	Nitrate	Phosphate	Flow	Temp	pH	DO	SS	TSS	Ammonia	Nitrite	Nitrate	Phosphate	Flow	Temp	pH	DO	SS	TSS	Ammonia	Nitrite	Nitrate	Phosphate
1	0.01	0.124	0.625	0.789								0.01	0.124	0.625	0.789							0.01	0.124	0.625	0.789						
2	0.01	0.141	0.744	0.885	185	275	20.5	180	302	302		0.01	0.141	0.744	0.885	185	275	20.5	180	302	302	0.01	0.141	0.744	0.885	185	275	20.5	180	302	302
3	0.01	0.141	0.744	0.885								0.01	0.141	0.744	0.885							0.01	0.141	0.744	0.885						
4	0.01	0.180	0.927	1.107								0.01	0.180	0.927	1.107							0.01	0.180	0.927	1.107						
5	0.01	0.158	0.872	1.101								0.01	0.158	0.872	1.101							0.01	0.158	0.872	1.101						
6	0.01	0.132	0.824	0.956								0.01	0.132	0.824	0.956							0.01	0.132	0.824	0.956						
7	0.01	0.133	0.754	0.877								0.01	0.133	0.754	0.877							0.01	0.133	0.754	0.877						
8	0.01	0.150	0.771	0.910								0.01	0.150	0.771	0.910							0.01	0.150	0.771	0.910						
9	0.01	0.159	0.793	0.952	185	223	248	156	218	212		0.01	0.159	0.793	0.952	185	223	248	156	218	212	0.01	0.159	0.793	0.952	185	223	248	156	218	212
10	0.01	0.140	0.911	1.071								0.01	0.140	0.911	1.071							0.01	0.140	0.911	1.071						
11	0.01	0.168	0.954	1.122								0.01	0.168	0.954	1.122							0.01	0.168	0.954	1.122						
12	0.01	0.175	1.073	1.248								0.01	0.175	1.073	1.248							0.01	0.175	1.073	1.248						
13	0.01	0.127	0.718	0.865								0.01	0.127	0.718	0.865							0.01	0.127	0.718	0.865						
14	0.01	0.130	0.668	0.798								0.01	0.130	0.668	0.798							0.01	0.130	0.668	0.798						
15	0.01	0.121	0.620	0.791								0.01	0.121	0.620	0.791							0.01	0.121	0.620	0.791						
16	0.01	0.116	0.667	0.783								0.01	0.116	0.667	0.783							0.01	0.116	0.667	0.783						
17	0.01	0.126	0.703	0.829								0.01	0.126	0.703	0.829							0.01	0.126	0.703	0.829						
18	0.01	0.136	0.778	0.914								0.01	0.136	0.778	0.914							0.01	0.136	0.778	0.914						
19	0.01	0.138	0.769	0.907								0.01	0.138	0.769	0.907							0.01	0.138	0.769	0.907						
20	0.01	0.115	0.717	0.862								0.01	0.115	0.717	0.862							0.01	0.115	0.717	0.862						
21	0.01	0.124	0.715	0.850	255	298	285	194	324	254		0.01	0.124	0.715	0.850	255	298	285	194	324	254	0.01	0.124	0.715	0.850	255	298	285	194	324	254
22	0.01	0.134	0.738	0.862								0.01	0.134	0.738	0.862							0.01	0.134	0.738	0.862						
23	0.01	0.134	0.750	0.884								0.01	0.134	0.750	0.884							0.01	0.134	0.750	0.884						
24	0.01	0.140	0.880	1.035								0.01	0.140	0.880	1.035							0.01	0.140	0.880	1.035						
25	0.01	0.118	0.689	0.807								0.01	0.118	0.689	0.807							0.01	0.118	0.689	0.807						
26	0.01	0.142	0.718	0.880								0.01	0.142	0.718	0.880							0.01	0.142	0.718	0.880						
27	0.01	0.115	0.645	0.760								0.01	0.115	0.645	0.760							0.01	0.115	0.645	0.760						
28	0.01	0.120	0.643	0.763								0.01	0.120	0.643	0.763							0.01	0.120	0.643	0.763						
29	0.01	0.126	0.659	0.785								0.01	0.126	0.659	0.785							0.01	0.126	0.659	0.785						
30	0.01	0.129	0.700	0.820								0.01	0.129	0.700	0.820							0.01	0.129	0.700	0.820						
TOTAL		4.113	22.098	27.069	1075	1362	1331	868	3464	1330		4.113	22.098	27.069	1075	1362	1331	868	3464	1330		4.113	22.098	27.069	1075	1362	1331	868	3464	1330	
MAX		0.180	1.073	1.253	255	298	285	212	340	302		0.180	1.073	1.253	255	298	285	212	340	302		0.180	1.073	1.253	255	298	285	212	340	302	
MIN		0.115	0.643	0.758	185	223	248	150	218	212		0.115	0.643	0.758	185	223	248	150	218	212		0.115	0.643	0.758	185	223	248	150	218	212	
AVG		0.137	0.767	0.904	215	272	266	178	291	264		0.137	0.767	0.904	215	272	266	178	291	264		0.137	0.767	0.904	215	272	266	178	291	264	

Use following abbreviations: Beta: Snow, Overcast, Clear, PC: Partly Cloudy

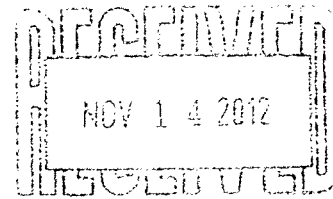
Reported by: GH FJH JH Approved by: GH Date: 12/6/2012

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: 119244



Report of Analysis

Reference:

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

Log Number:

1506523

Sample Description:

Quarterly Sludge

Sample Date:

10/3/2012

Sample Received Date:

10/4/2012

Coli S

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Fecal Coliform in Sludge	< 9,390	CFU/g	SM-9222 D-97		10/04/12	102
Total Solids Average	3.10	% w/w	SM-2540 G-97		10/04/12	102

Nutrients

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Phosphorus	17900	mg/Kg	SM-20 4500-P E-99		10/08/12	133

PAN Group

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Ammonia as Nitrogen	25,000	mg/Kg	Lachat-10-107-06-1-K		10/08/12	102
Kjeldahl Nitrogen	35,600	mg/Kg	Lachat-10-107-06-2-K		10/16/12	102
Nitrate as Nitrogen	< 64.1	mg/Kg	EPA-300.0 Rev. 2		10/08/12	133
Nitrite as Nitrogen	1020	mg/Kg	EPA-300.0 Rev. 2		10/08/12	133
Organic Nitrogen	10,600	mg/Kg	Lachat-10-107-06-2-K		10/25/12	102
PAN - Subsurface Application	28140	ppm	Calculation		10/31/12	127
PAN - Surface Application	20640	ppm	Calculation		10/31/12	127

Preparation Methods

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Anions IC Sample Preparation	1	Prep	SM-4110B-00		10/04/12	133
Metals ICP Sample Digestion	1	Prep	EPA-200.7 Rev. 4.4	PDC	10/15/12	
Total Metals Flame-AA Digestion	1	Prep	EPA-200.2		10/08/12	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: 119244

Report of Analysis

Log Number: 1506523 Sample Description: Quarterly Sludge Sample Date: 10/3/2012 Sample Received Date: 10/4/2012

Solids

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Total Solids	3.12	% w/w	SM-2540 G-97		10/05/12	133

Total (Total Recoverable) Trace Metals

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Arsenic by ICP	< 3.0	mg/Kg	EPA-200.7 Rev. 4.4	PDC	10/16/12	
Cadmium	0.84	mg/Kg	SM-3111 B-99		10/16/12	133
Chromium	32.0	mg/Kg	SM-3111 B-99		10/18/12	133
Copper	460	mg/Kg	SM-3111 B-99		10/18/12	133
Lead by ICP	9.9	mg/Kg	EPA-200.7 Rev. 4.4	PDC	10/16/12	
Mercury by Cold-Vapor Technique	< 0.10	mg/Kg	SM-3112 B-99		10/19/12	133
Molybdenum by ICP	< 2.4	mg/Kg	EPA-200.7 Rev. 4.4	PDC	10/16/12	
Nickel	15.8	mg/Kg	SM-3111 B-99		10/16/12	133
Potassium	1660	mg/Kg	SM-3111 B-99		10/16/12	133
Selenium by ICP	< 2.0	mg/Kg	EPA-200.7 Rev. 4.4	PDC	10/16/12	
Zinc	1010	mg/Kg	SM-3111 B-99		10/18/12	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

647611

CHAIN OF CUSTODY RECORD

Sampler's Signature:

Date: 10/3/12 Time: 2:46^{pm} ☐ See Table

Additional Comments:

PO Number: Y/A ☐ Rush Requested (Due Date: _____)

[illegible]

Revised June 29, 1999

FECAL COLIFORM IN SLUDGE

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

Log #

1506523

Date:

10/4/2012

Analyst:

133

Total Solid calculation

Sample	Sample Size	Tare Weight	Tare Wt. + Res.	Residue Wt.	Final Result
Replicate	(grams)	(grams)	(grams)	(grams)	(%w/w)
A	29.6846	2.1162	3.0349	0.9187	3.09
B	22.5361	2.1306	2.8294	0.6988	3.1
C	29.2089	2.2297	3.1409	0.9112	3.12
D	26.8724	2.1319	2.9665	0.8346	3.11
E	27.7976	2.1512	3.0177	0.8665	3.12
F	25.3615	2.1089	2.8969	0.7880	3.11
G	22.2434	2.0509	2.7331	0.6822	3.07
				Average Total Solid	3.1

Colony Counts

Date:

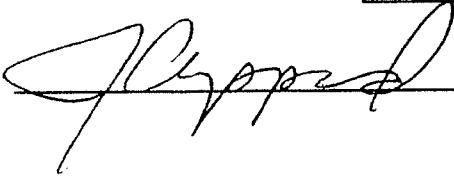
10/4/2012

Analyst:

133

Sample	Wt. Of Sample	Sample Size	Colony Count	Final Count
Replicate	(grams)	(mls - 0.1, 1.0, 10)	used	#/gram (dry)
A	0.3209	1	<1	<10080
B	0.3522	1	<1	<9160
C	0.3328	1	<1	<9630
D	0.3585	1	<1	<8970
E	0.3564	1	<1	<8990
F	0.3590	1	<1	<8960
G	0.3250	1	<1	<10020
Geometric Average				<9390

Approved by:



Environmental Analysis South, Inc.
Clarification Coagulant Sludges
Sludge Analysis

10/31/2012

Submitted by: Alliance Lake Ozarks					
Log Number: 1506523					
pH					
Coliform					
Parameter	Wet %	Wet ppm	Dry %	Dry ppm	lbs/Dry Tons
Moisture			96.88		
Solids			3.12		
Volatile Solids					
Ash					
Nitrogen (TKN)	0.111%	1110.720	3.560%	35600.000	71.200
Nitrate N	0.000%	0.000	0.000%	ND	0.000
Nitrite N	0.003%	31.824	0.102%	1020.000	2.040
Ammonia N	0.078%	780.000	2.500%	25000.000	50.000
Organic N	0.033%	330.720	1.060%	10600.000	21.200
PAN Surface Application	0.064%	643.968	2.064%	20640.000	41.280
PAN Subsurface Application	0.088%	877.968	2.814%	28140.000	56.280
Potassium (as K)	0.005%	51.792	0.166%	1660.000	3.320
Phosphorus (as P)	0.056%	558.480	1.790%	17900.000	35.800
Arsenic (as As)	ND	ND	ND	ND	ND
Cadmium (as Cd)	0.000%	0.026	0.000%	0.840	0.002
Chromium (as Cr)	0.000%	0.998	0.003%	32.000	0.064
Copper (as Cu)	0.001%	14.352	0.046%	460.000	0.920
Molybdenum (as Mo)	ND	ND	ND	ND	ND
Nickel (as Ni)	0.000%	0.493	0.002%	15.800	0.032
Lead (as Pb)	0.000%	0.309	0.001%	9.900	0.020
Selenium (as Se)	ND	ND	ND	ND	ND
Zinc (as Zn)	0.003%	31.512	0.101%	1010.000	2.020
Mercury (as Hg)	ND	ND	ND	ND	ND
code ND = none detected					
code NT = not tested					

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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
Elsberry
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 December 2012

Submitted by Alliance Water Resources, Inc. for the

January 2013

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	2.0	1.7	NA	0
Peak Day	2.6	2.2	7.8	0
Percent Removal	99.3	99.2	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 0.784 MGD or 26% 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 55511 pounds of BOD.

BIOSOLIDS APPLICATION AND INVENTORY

Plant personnel land applied 9 tanker loads of bio-solids during the month equivalent to a total of 33,300 gallons and 9,720 pounds dry weight solids.

493,482 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 333,125 gallons with a level of 5.0 feet in Tank 1 and 1.5 feet in Tank 2.

WASTEHAULERS

The plant received 48 loads of septage during the month totaling 120,000 gallons.

WWTP OPERATIONS

- Decanting digesters and wasting weekly.
- Normal operations.
- We were able to leave one aerator in each ditch off again this month, including weekends.
- We put Clarifier #1 back online on the 6th of December.

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 the wear ring on RAS pump #1 and adjusted #2 pump jack bolts to get the proper clearance between the impeller and wear ring on the 5th. We also adjusted #3, 4 and 5 pumps to get the proper clearance on the 11th and after adjusting #5 the seal started leaking, so we had to pull it and send it up to JCI to see how much it would cost to fix.
- We took #3 Clarifier offline on the 6th for annual inspection and maintenance and will leave it offline for the winter.
- We changed out 4 fluorescent bulb ballast, 12 lamp holders and around a dozen bulbs in the headwork's building on the 6th.

SAFETY

- We conducted our monthly routine Safety Meeting on Hazard Communication on the 5th of December.

REGULATORY AGENCY, INSPECTION AND REPORTS

- Mailed DMR to MDNR on the 4th of January.
- We mailed the required Annual Compliance Report letter to MDNR on the 4th of December. (See attachment)

MISCELLANEOUS AND RECOMMENDATIONS

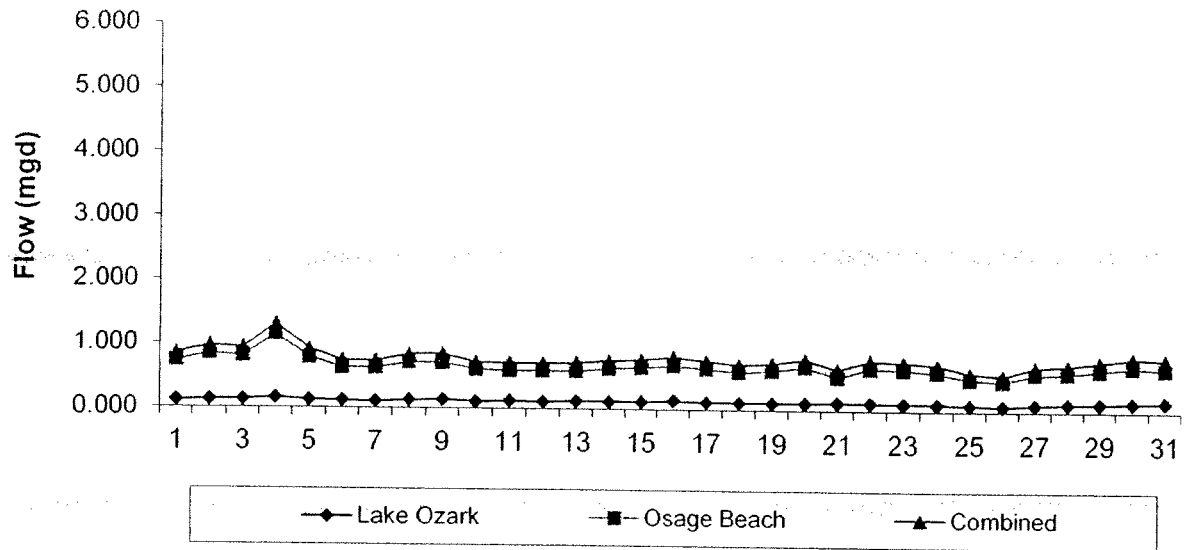
- We would like to Thank Matt and the City of Lake Ozark for sending their boom truck and crew out to assist us with lifting the RAS pump out of the basement and for setting the trash pump in and out of the Clarifier. Many Thanks!

TABLE A
LAKE OZARK/OSAGE BEACH WWTP

MONTH OF December 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-Dec		0.119	0.733	0.852	14.0	86.0						
2-Dec		0.131	0.840	0.971	13.5	86.5						
3-Dec		0.131	0.811	0.942	13.9	86.1						
4-Dec	1	0.160	1.147	1.307	12.2	87.8						
5-Dec		0.128	0.790	0.918	13.9	86.1						
6-Dec		0.119	0.627	0.746	16.0	84.0						
7-Dec		0.109	0.630	0.739	14.7	85.3	203	168	185	198	210	260
8-Dec		0.129	0.714	0.843	15.3	84.7						
9-Dec	0.05	0.142	0.712	0.854	16.6	83.4						
10-Dec		0.113	0.613	0.726	15.6	84.4						
11-Dec		0.124	0.592	0.716	17.3	82.7						
12-Dec		0.112	0.596	0.708	15.8	84.2						
13-Dec		0.128	0.590	0.718	17.8	82.2						
14-Dec		0.122	0.633	0.755	16.2	83.8	213	338	388	168	228	228
15-Dec	0.25	0.123	0.652	0.775	15.9	84.1						
16-Dec		0.139	0.681	0.820	17.0	83.0						
17-Dec		0.119	0.638	0.757	15.7	84.3						
18-Dec		0.115	0.588	0.703	16.4	83.6						
19-Dec		0.115	0.616	0.731	15.7	84.3						
20-Dec		0.116	0.678	0.794	14.6	85.4						
21-Dec	0.1	0.125	0.521	0.646	19.3	80.7	183	198	200	156	164	196
22-Dec		0.121	0.657	0.778	15.6	84.4						
23-Dec		0.118	0.643	0.761	15.5	84.5						
24-Dec		0.116	0.606	0.722	16.1	83.9						
25-Dec		0.101	0.497	0.598	16.9	83.1						
26-Dec		0.088	0.472	0.560	15.7	84.3						
27-Dec		0.113	0.581	0.694	16.3	83.7						
28-Dec		0.126	0.594	0.720	17.5	82.5	238	348	323	142	198	186
29-Dec		0.133	0.647	0.780	17.1	82.9						
30-Dec		0.142	0.694	0.836	17.0	83.0						
31-Dec		0.155	0.667	0.822	18.9	81.1						
SUM	1.4	3.832	20.460	24.292								
AVG		0.124	0.660	0.784	16	84	209	263	274	166	200	218
NOTE: BOLD PRINT INDICATES WEEKEND DAYS												

Daily Flow
Figure 1



Effect of Rainfall on Flow
Figure 2

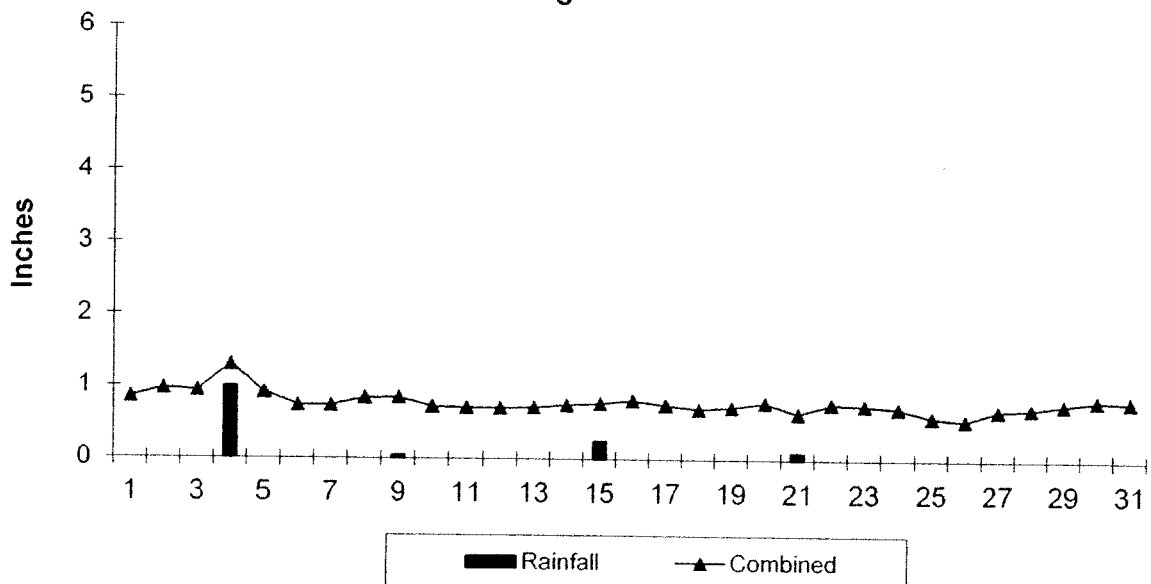
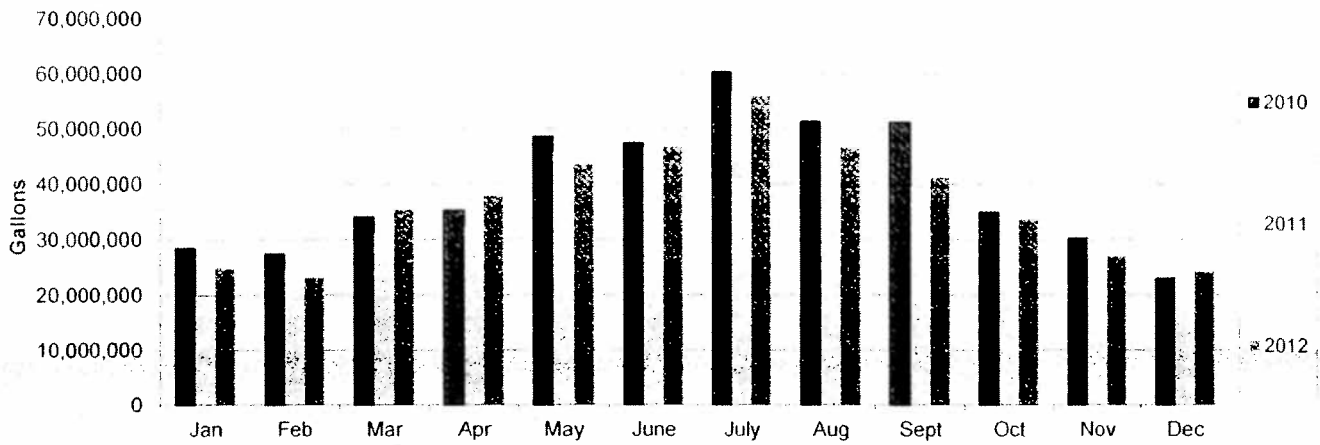


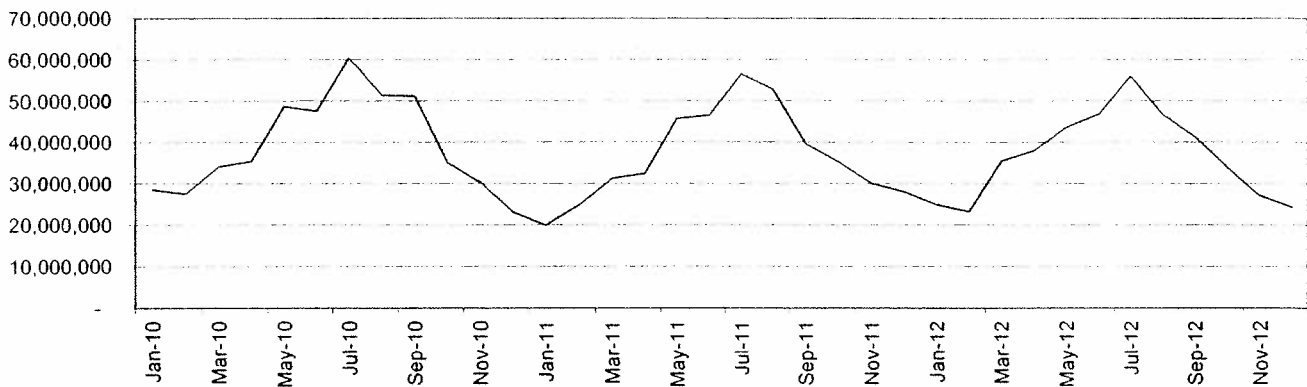
TABLE B
JOINT SEWER BOARD
Monthly Flows

<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	6.5	34,629,000	84%	6,696,000	16%	41,325,000	100%
October	3.6	28,634,000	85%	5,240,000	15%	33,874,000	100%
November	1.1	22,996,000	85%	4,113,000	15%	27,109,000	100%
December	1.4	20,460,000	84%	3,832,000	16%	24,292,000	100%
	35.2	366,275,000	83%	67,560,000	17%	441,780,000	100%

Monthly Influent Flow
Figure 3A

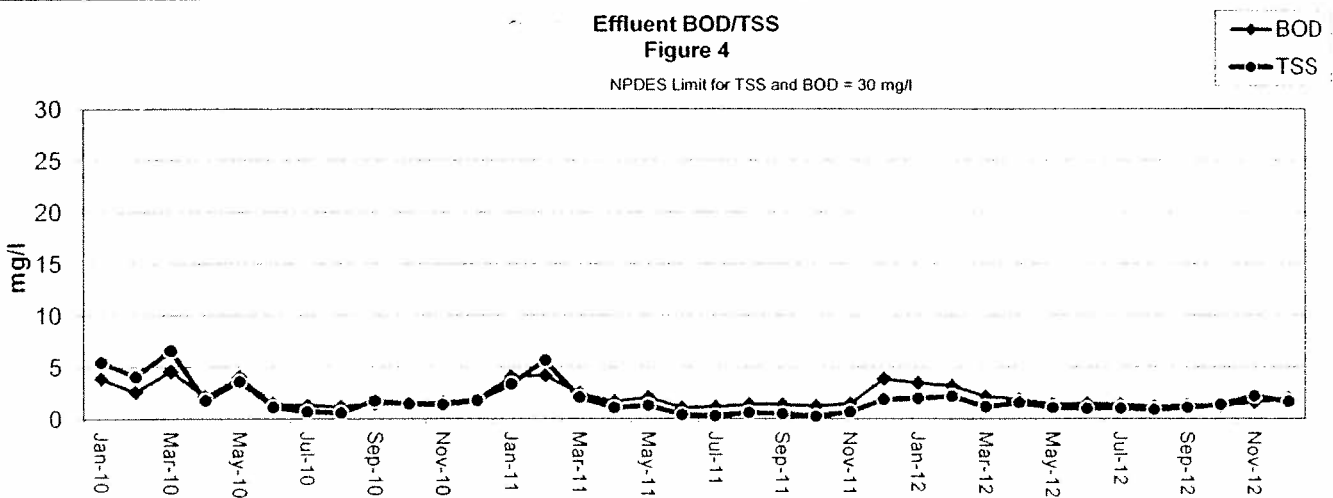


Monthly Influent Flow
Figure 3B



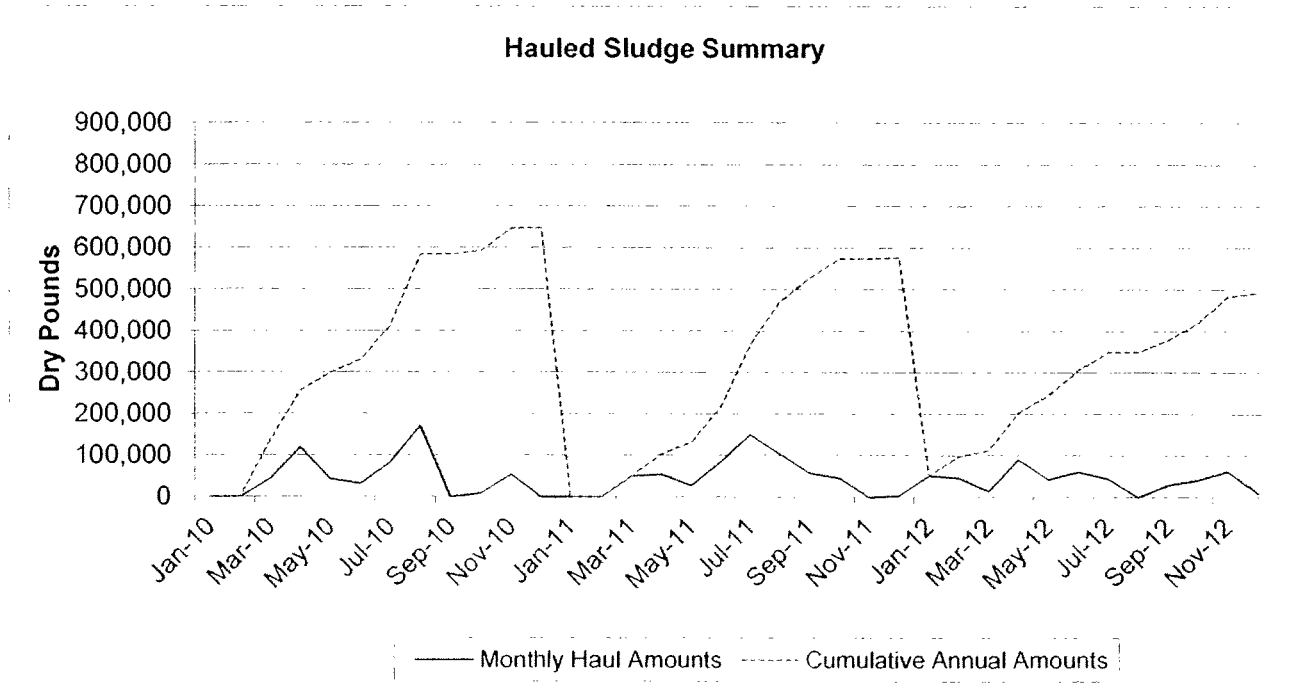
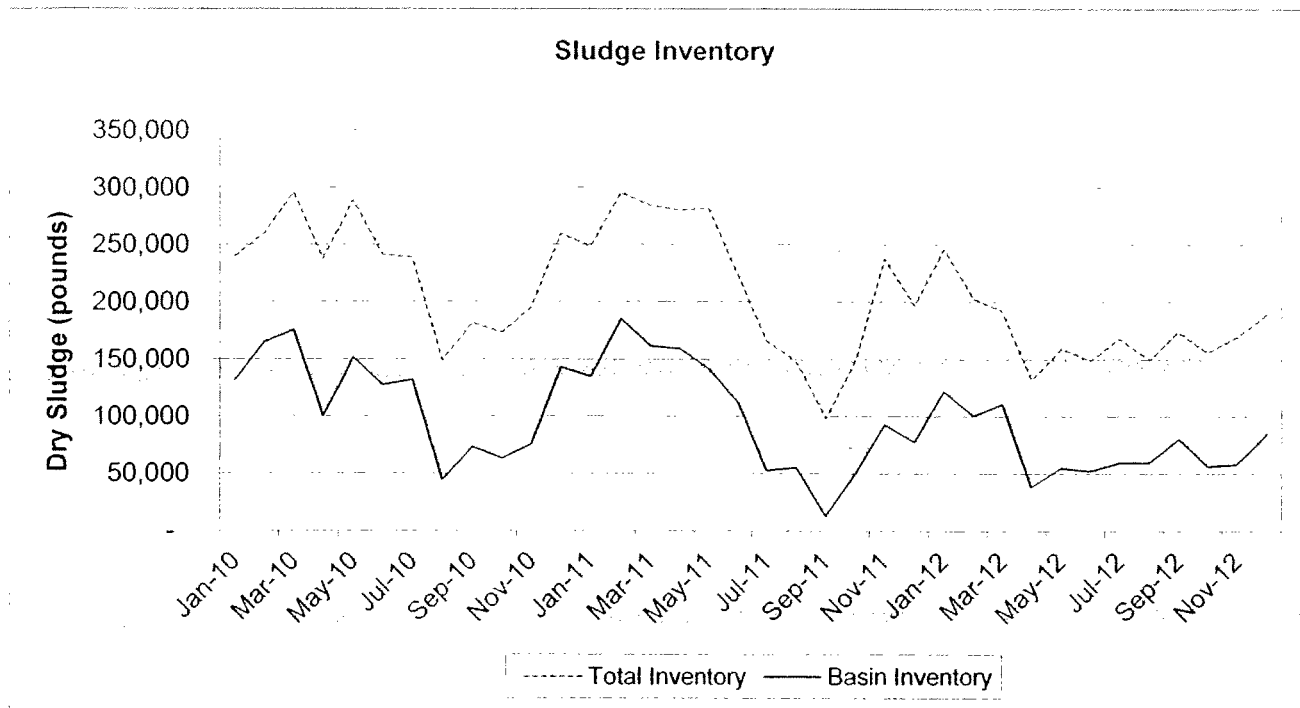
Effluent BOD/TSS
Figure 4

NPDES Limit for TSS and BOD = 30 mg/l



	Hauled Sludge				Basin Depths				Blanket Depths				MLSS Inventory				Blanket and MLSS Inventory				Accepted Septage			
	Loads	Gallons	# Dry	% Solids	Annual Cumulative # Dry	Tank #1	Tank #2	AB #1	AB #2	AB #1	AB #2	# Dry	MLSS AB #1	MLSS AB #2	MLSS AB #1	MLSS AB #2	Gallons	# Dry	% Solids	Studge Inventory	Total Dry	Loads	Gallons	Accepted Septage
Jan-10	0	-	0	4.4%	-	5.0	3.0	0.0	0.0	360,000	132,106	132,106	3,640	3,640	0.0	0.0	3,635,524	107,637	0.00355	239,743	239,743	0	-	0
Feb-10	0	-	0	4.4%	-	5.0	5.0	0.0	0.0	450,000	185,132	185,132	3,310	2,910	0.0	0.0	3,635,286	94,757	0.00311	259,889	259,889	37	136,900	37
Mar-10	37	136,900	42,800	3.7%	136,900	7.0	5.5	0.0	0.0	562,500	175,858	175,858	3,310	2,910	0.0	0.0	3,635,286	94,757	0.00311	259,889	259,889	101	373,700	101
Apr-10	101	373,700	119,328	3.8%	256,228	6.0	1.0	0.0	0.0	315,000	100,584	100,584	3,940	3,940	0.0	1.5	3,682,904	120,251	0.00392	296,109	296,109	31	114,700	31
May-10	31	114,700	43,047	4.5%	299,275	6.0	3.0	0.0	0.0	405,000	151,997	151,997	4,440	4,440	0.0	2.0	3,731,261	137,234	0.00441	237,818	237,818	30	111,000	30
Jun-10	30	111,000	31,506	3.4%	330,781	7.0	3.0	0.0	0.0	450,000	127,727	127,727	3,770	3,770	0.0	1.0	3,793,428	137,305	0.00434	289,302	289,302	68	251,600	68
Jul-10	68	251,600	82,206	3.9%	412,987	8.0	1.0	0.0	0.0	450,000	132,327	132,327	3,650	3,650	0.0	2.0	3,793,428	137,305	0.00434	289,302	289,302	141	521,700	141
Aug-10	141	521,700	171,540	3.9%	584,527	3.0	0.0	0.0	0.0	405,000	132,327	132,327	3,650	3,650	0.0	2.0	3,793,428	137,305	0.00434	289,302	289,302	0	-	0
Sep-10	0	-	0	3.9%	584,527	2.5	2.5	0.0	0.0	405,000	132,327	132,327	3,650	3,650	0.0	2.0	3,793,428	137,305	0.00434	289,302	289,302	9	33,300	9
Oct-10	9	33,300	8,517	3.1%	593,044	4.0	1.5	0.0	0.0	225,000	73,184	73,184	3,520	3,520	0.0	2.0	3,793,428	137,305	0.00434	289,302	289,302	39	144,300	39
Nov-10	39	144,300	54,094	4.5%	647,138	4.5	0.0	0.0	0.0	202,500	75,912	75,912	3,460	3,460	0.0	2.0	3,793,428	137,305	0.00434	289,302	289,302	0	-	0
Dec-10	0	-	0	4.5%	647,138	4.5	4.0	0.0	0.0	382,500	143,552	143,552	3,460	3,460	0.0	2.0	3,793,428	137,305	0.00434	289,302	289,302	0	-	0
Jan-11	0	-	0	4.5%	-	5.5	2.5	0.0	0.0	382,500	143,552	143,552	3,460	3,460	0.0	2.0	3,793,428	137,305	0.00434	289,302	289,302	0	-	0
Feb-11	0	-	0	4.5%	-	6.0	5.0	0.0	0.0	495,000	185,774	185,774	3,520	3,520	0.0	2.0	3,793,428	137,305	0.00434	289,302	289,302	0	-	0
Mar-11	43	159,100	49,803	3.8%	49,803	7.5	4.0	0.0	0.0	517,500	161,893	161,893	3,580	3,580	0.0	2.0	3,793,428	137,305	0.00434	289,302	289,302	43	159,100	43
Apr-11	45	166,500	53,692	3.9%	103,495	7.0	4.0	0.0	0.0	495,000	159,625	159,625	4,100	4,100	0.0	0.5	3,793,428	137,305	0.00434	289,302	289,302	24	88,800	24
May-11	24	88,800	28,051	3.8%	131,546	5.5	4.5	0.0	0.0	450,000	142,150	142,150	3,130	4,540	0.0	2.0	3,793,428	137,305	0.00434	289,302	289,302	78	288,600	78
Jun-11	78	288,600	85,043	3.5%	216,589	3.5	5.0	0.0	0.0	382,500	112,713	112,713	3,580	3,580	0.0	2.0	3,793,428	137,305	0.00434	289,302	289,302	138	510,600	138
Jul-11	138	510,600	150,712	3.5%	367,301	4.0	0.0	0.0	0.0	180,000	53,130	53,130	3,740	3,740	0.0	1.5	3,793,428	137,305	0.00434	289,302	289,302	0	-	0
Aug-11	0	-	0	3.7%	471,138	2.0	2.0	0.0	0.0	180,000	55,511	55,511	2,840	3,110	0.0	2.0	3,793,428	137,305	0.00434	289,302	289,302	52	192,400	52
Sep-11	52	192,400	57,488	3.6%	528,626	0.0	1.0	0.0	0.0	45,000	13,446	13,446	2,900	2,900	0.0	1.5	3,793,428	137,305	0.00434	289,302	289,302	33	122,100	33
Oct-11	33	122,100	45,361	4.5%	573,987	0.0	3.0	0.0	0.0	135,000	50,153	50,153	2,940	2,940	0.0	2.0	3,793,428	137,305	0.00434	289,302	289,302	0	-	0
Nov-11	0	-	0	4.5%	-	3.0	2.5	0.0	0.0	247,500	92,887	92,887	2,940	2,940	0.0	2.0	3,793,428	137,305	0.00434	289,302	289,302	5	18,500	5
Dec-11	5	18,500	3,549	2.3%	577,536	6.0	3.0	0.0	0.0	405,000	77,694	77,694	3,850	3,850	0.0	0.0	3,793,428	137,305	0.00434	289,302	289,302	46	170,200	46
Jan-12	46	170,200	51,317	3.6%	51,317	5.5	3.5	0.0	0.0	405,000	122,112	122,112	4,080	4,080	0.0	0.0	3,793,428	137,305	0.00434	289,302	289,302	42	155,400	42
Feb-12	42	155,400	46,472	3.6%	97,789	4.5	3.0	0.0	0.0	337,500	100,929	100,929	3,380	3,380	0.0	0.0	3,793,428	137,305	0.00434	289,302	289,302	12	44,400	12
Mar-12	12	44,400	14,627	4.0%	112,416	5.5	2.0	0.0	0.0	337,500	111,185	111,185	2,890	2,890	0.0	1.5	3,793,428	137,305	0.00434	289,302	289,302	86	318,200	86
Apr-12	86	318,200	90,939	3.4%	203,355	2.0	1.0	0.0	0.0	135,000	38,582	38,582	2,870	2,870	0.0	2.5	3,793,428	137,305	0.00434	289,302	289,302	47	173,900	47
May-12	47	173,900	42,646	2.9%	246,001	3.0	2.0	0.0	0.0	225,000	55,177	55,177	3,070	3,070	0.0	2.0	3,793,428	137,305	0.00434	289,302	289,302	56	207,200	56
Jun-12	56	207,200	60,513	3.5%	306,514	1.0	3.0	0.0	0.0	180,000	52,569	52,569	3,560	3,560	0.0	1.0	3,793,428	137,305	0.00434	289,302	289,302	45	166,500	45
Jul-12	45	166,500	44,127	3.2%	350,641	5.0	0.0	0.0	0.0	225,000	59,631	59,631	3,650	3,650	0.0	1.5	3,793,428	137,305	0.00434	289,302	289,302	0	-	0
Aug-12	0	-	0	0.0%	350,641	2.5	2.5	0.0	0.0	225,000	59,631	59,631	3,650	3,650	0.0	1.5	3,793,428	137,305	0.00434	289,302	289,302	33	122,100	33
Sep-12	33	122,100	29,161	2.9%	379,802	4.5	3.0	0.0	0.0	225,000	59,631	59,631	3,440	3,440	0.0	2.0	3,793,428	137,305	0.00434	289,302	289,302	40	148,000	40
Oct-12	40	148,000	41,473	3.4%	421,275	4.5	0.0	0.0	0.0	202,500	80,605	80,605	3,160	3,160	0.0	1.5	3,793,428	137,305	0.00434	289,302	289,302	52	192,400	52
Nov-12	52	192,400	62,487	3.9%	483,762	2.0	2.0	0.0	0.0	180,000	58,460	58,460	3,970	3,970	0.0	2.0	3,793,428	137,305	0.00434	289,302	289,302	9	33,300	9
Dec-12	9	33,300	9,720	3.5%	493,482	5.0	1.5	0.0	0.0	292,500	85,378	85,378	4,030	4,030	0.0	1.5	3,793,428	137,305	0.00434	289,302	289,302	0	-	0

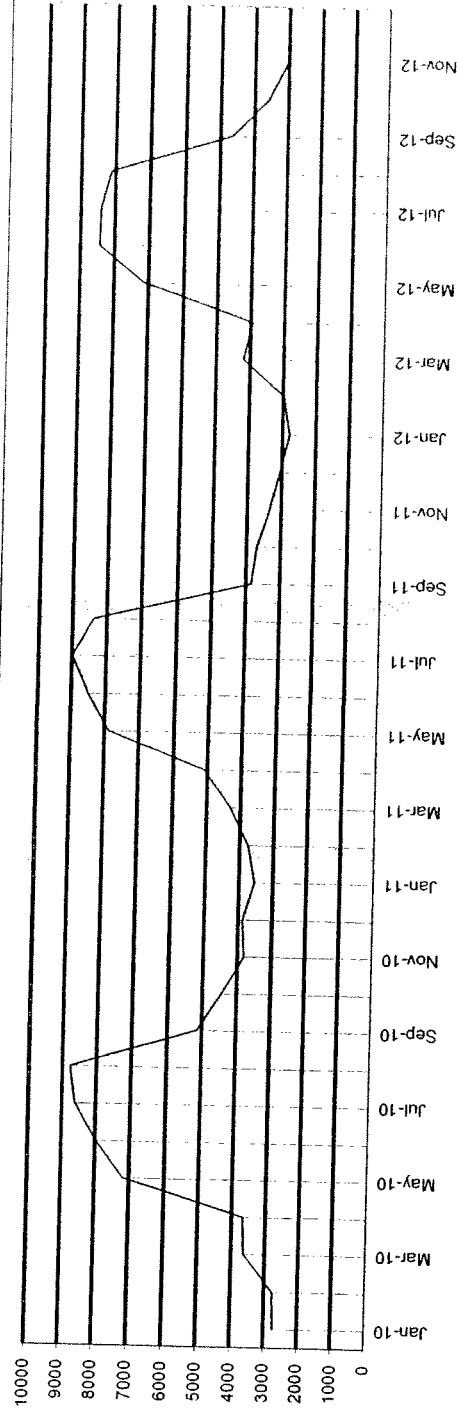
Blanket Depths				MLSS Inventory				Blanket and MLSS Inventory				MLSS				Total Dry			
Clar #1	Clar #2	Clar #2	Clar #2	MLSS AB #1	MLSS AB #2	Gallons	# Dry	% Solids	Studge Inventory	Total Dry	Loads	Gallons	Accepted Septage						
1.0	1.0	0.0	0.0	3,640	3,460	3,635,524	107,637	0.00355	239,743	239,743	0	-	0						
2.0	1.0	0.0	0.0	3,310	2,910	3,653,286	94,757	0.00311	259,889	259,889	37	136,900	37						
1.0	0.0	1.5	1.5	3,940	3,890	3,682,904	120,251	0.00392	296,109	296,109	101	373,700	101						
1.0	1.5	2.0	2.0	4,440	4,380	3,731,261	137,234	0.00441	237,818	237,818	30	111,000	30						
1.5	4.5	2.0	2.0	3,930	4,750	3,793,428	137,305	0.00434	289,302	289,302	68	251,600	68						
1.0	1.0	1.0	1.0	3,650	3,770	3,678,952	113,832	0.00371	241,559	241,559	141	521,700	141						
1.0	2.0	1.0	2.0	3,650	3,650	3,696,714	106,366	0.00345	238,692	238,692	9	33,300	9						
2.5	1.5	1.0	3,250	3,520	3,714,476	104,708	0.00338	149,987	182,229	173,603	0.00337	173,603	173,603	39					
2.0	2.0	2.0	3,000	3,750	3,704,618	110,301	0.00337	195,565	195,565	163,003	0.00379	259,589	259,589	0					
1.0	0.0	2.0	3,460	3,680	3,736,190	119,654	0.00384	195,565	195,565	163,003	0.00379	259,589	259,589	0					
1.5	2.5	1.5	4,050	3,640	3,653,286	113,495	0.00373	248,603	248,603	19,450,000	0.00000	6	15,000	6					
2.0	2.0	0.0	3,700	3,890	3,679,929	109,872	0.00358	295,646	284,608	0.00402	284,608	284,608	25						
1.0	2.0	0.0	3,930	3,930	3,719,618	120,761	0.00384	280,385	280,385	22,088	0.00365	166,047	166,047	22					
2.0	3.0	2.0	3,500	3,560	3,715,666	111,156	0.00353	223,869	223,869	19,450,000	0.00000	6	15,000	6					
1.5	2.5	1.0	3,740	3,550	3,714,476	112,917	0.00365	166,047	166,047	148,212	0.00272	98,447	98,447	27					
2.0	2.0	1.5	2,840	3,110	3,736,190	92,900	0.00298	98,447	98,447	149,678	0.00321	238,051	238,051	23					
2.5	1.5	2,530	2,900	3,753,952	85,001	0.00272	98,447	98,447	149,678	149,678	0.00333	159,543	159,543	0					
2.0	2.5	1.0	3,470	2,940	3,723,357	99,524	0.00321	238,051	238,051	197,279	0.00406	246,114	246,114	27					
2.0	3.0	2.0	4,610	3,560	3,715,666	145,165	0.00461	197,279	197,279	246,114	0.00338	239,411	239,411	30					
3.0	4.0	0.0	3,890	3,550	3,724,334	119,585	0.00385	197,279	197,279	246,114	0.00338	239,411	239,411	30					
2.0	1.5	0.0	4,060	3,380	3,635,524	102,483	0.00338	192,201	192,201	132,264	0.00297	132,264	132,264	20					
1.0	1.0	0.0	3,380	2,890	3,736,190	81,016	0.0026	93,582	93,582	159,543	0.00333	159,543	159,543	20					
2.0	2.0	1.5	2,870	3,060	3,768,499	93,682	0.00297	93,582	93,582	149,378	0.00313	149,378	149,378	25					
2.0	2.0	2.0	3,070	3,590	3,757,904	104,365	0.00333	159,543	159,543	168,725	0.00292	168,725	168,725	30					
1.0	3.0	1.0	3,560	2,690	3,714,476	96,809	0.00313	149,378	149,378	150,030	0.00324	156,503	156,503	20					
2.0	1.5	1.0	3,650	3,410	3,705,595	109,093	0.00353	168,725	168,725	174,126	0.003	174,126	174,126	25					
1.0	2.0	1.5	3,440	2,390	3,718,428	90,399	0.00292	93,521	93,521	156,503	0.00353	156,503	156,503	20					
2.0	0.0	2.5	3,080	2,910	3,744,094	93,521	0.003	174,126	174,126	189,459	0.00338	189,459	189,459	30					
1.5	0.0	1.5	3,160	3,320	3,691,785	99,758	0.00324	156,503	156,503	168,725	0.00292	168,725	168,725	25					
0.0	5.0	2.0	3,970	3,090	3,775,666	111,156	0.00353	156,503	156,503	174,126	0.003	174,126	174,126	0					
4.0	1.5	0.0	4,030	2,720	3,697,691	104,081	0.00338	189,459	189,459	198,459	0.00338	198,459	198,459	40					



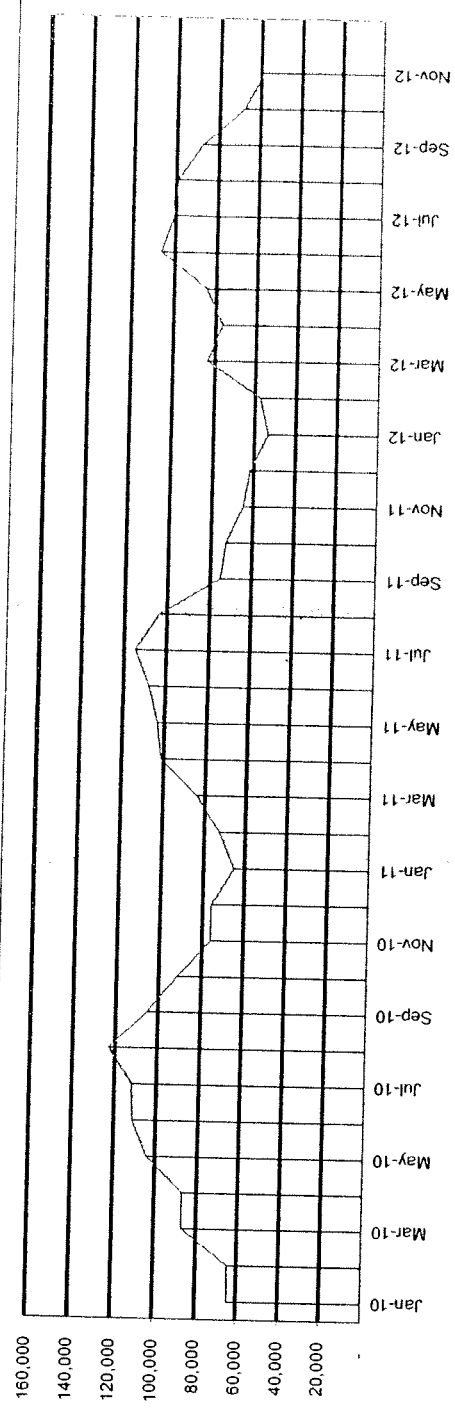
Month Electric Cost Kilowatts Used

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
Sep-12	4653	87,730
Oct-12	3588	67,820
Nov-12	3050	58,850

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							
Dec-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			15.2	1.061	7.7				7.4		12.4			
2	7.2			16	1.296	7.7				6.1		13.8			
3	7.3			16	1.213	7.8				7.1		14.8			
4	7.3			15.9	1.646	7.8				6.9		14.9			
5	7.5			13.5	1.265	7.8				6.0		13.5			
6	7.4			13.4	1.185	7.8			0.02	7.4		12.9			
7	7.2	185	260	14.8	1.224	7.8	1.5	0.8		7.8		13.5	99.2	99.7	
8	7.3			14.9	1.466	7.8				7.4		13.2			
9	7.1			15.8	1.209	7.8				7.2		13			
10	7.3			13.7	1.116	7.7				7.1		11.3			
11	7.2			13.4	1.236	7.8				7.5		9.8			
12	7.2			13.4	1.129	7.7				7.8		9.4			
13	7.4			13.8	1.222	7.8			0.03	7.8		9.5			
14	7.3	388	228	13.2	1.272	7.7	2.1	2.2		8.1		9.4	99.5	99.0	
15	7.5			13.8	1.262	7.7				8.4		10.9			
16	7.3			14.1	1.228	7.8				8.9		10.5			
17	7.2			13.9	1.159	7.7				6.7		11.5			
18	7.4			12.2	1.208	7.6				8.4		10.4			
19	7.5			12.6	1.131	7.8				7.9		10.5			
20	7.4			13.5	1.188	7.7			0.16	7.7		10.5			
21	7.3	200	196	12.8	1.266	7.8	1.6	2		8.9		9.3	99.2	99.0	
22	7.3			12	1.167	7.8				7.2		8.6			
23	7.4			12.8	1.224	7.8				7.1		8.7			
24	7.3			12.2	1.165	7.8				8.4		8.7			
25	7.3			11.8	1.057	7.8				7.3		8.3			
26	7.6			10.4	0.985	7.8				9.5		7			
27	7.4			11.7	1.212	7.7			0.02	8.7		7.3			
28	7.4	323	186	11.6	1.298	7.8	2.6	1.6		7.4		7.9	99.2	99.1	
29	7.5			11.4	1.249	7.7				9.8		7.5			
30	7.6			10	1.363	7.8				9.9		6.8			
31	7.5			10.9	1.312	7.7				8.1		7.5			
Total					38.014										
Avg		274	218	13	1.226		2.0	1.7	0.06	7.8	0.0	10.4	99.3	99.2	
Min	7.1	185	186	10	0.985	7.6	1.5	0.8	0.02	6.0	0.0	6.8	99.2	99.0	
Max	7.6	388	260	16	1.646	7.8	2.6	2.2	0.16	9.9	0.0	14.9	99.5	99.7	

MONTHLY EFFLUENT MONITORING		QUARTERLY EFFLUENT MONITORING	
DATE	Oil & Grease mg/L	Selenium µg/L	Zinc µg/L
1			
2			
3			
4	< 5.0		
5			
6			
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		1.4	3,290	310	13.1	4	3,450	380	12.5	57		7:30
2		1.3	2,890	250	14.5	2.4	3,930	570	13.9	59		7:30
3	9,720	1.2	4,010	400	15.4	1.4	3,450	340	15.1	61		7:30
4		1.1	3,720	370	15	1.4	3,190	320	15	51	1	7:30
5		1.3	3,500	430	13.1	2	3,050	350	13.3	34		7:30
6		2.6	3,090	310	12.4	2.4	3,080	350	12.7	35		7:30
7		1.1	3,870	400	13.5	2.9	3,040	300	13.4	48		7:30
8		1.3	3,640	350	13.5	3.8	3,410	350	13.4	47		7:30
9		1.2	3,720	390	13.4	3.7	2,880	290	13.3	47	0.05	7:30
10		2.7	2,980	320	10.9	3.8	3,200	390	11.2	26		7:30
11		5.0	2,790	290	9.3	5.7	3,590	540	9.5	21		7:30
12		5.0	2,830	300	9.4	5.7	3,480	500	9.4	24		7:30
13		5.7	2,950	330	9.6	5.3	3,410	560	9.8	28		7:30
14		4.3	3,150	320	9.7	4.2	3,450	420	9.7	31		7:30
15		4.4	3,210	320	11.2	5	3,470	420	11.1	50	0.25	7:30
16		3.4	3,310	380	11	4.2	3,260	440	11.1	37		7:30
17		2.0	3,350	380	11.6	3.4	3,430	410	11.5	42		7:30
18		2.7	3,290	360	10.1	3.7	3,840	600	10.2	30		7:30
19		3.9	3,070	320	10.6	4.3	3,630	550	10.6	36		7:30
20		3.3	3,650	500	10.4	3.5	3,580	440	10.8	38		7:30
21		4.5	3,810	480	9.3	6.6	3,570	440	9.4	27	0.1	7:30
22		4.8	3,410	390	8.2	5.3	3,610	440	8.7	22		7:30
23		4.6	3,300	360	9	4.3	3,880	590	8.9	30		7:30
24		4.7	3,210	320	8.9	4.8	3,930	600	9.2	29		7:30
25		6.1	2,810	300	8.7	5.2	4,430	640	8.8	26		7:30
26		6.2	2,570	260	6.6	6.9	4,460	800	6.9	24		7:30
27		7.9	2,640	270	7.2	6.9	4,540	760	7.2	28		7:30
28		6.7	3,020	300	7.9	4.9	4,410	680	8.3	36		7:30
29		7.8	3,000	360	7.3	7.3	3,840	660	7.1	28		7:30
30		7.8	3,700	550	6.8	7.5	3,290	450	7.2	23		7:30
31		5.3	4,030	670	7.2	6.5	2,720	330	7.5	37		7:30
COMMENTS:												

COMMENTS:

TESTS PERFORMED BY (PRINT)	SIGNATURE	PHONE #	DATE
Frank Hendricks	<i>Frank Hendricks</i>	(573)365-0455	1/3/2013
REPORT APPROVED BY (PRINT)	SIGNATURE	PHONE #	DATE
Gary Hutchcraft	<i>Gary Hutchcraft</i>	(573)365-0455	1/3/2013

*Required Daily (Monday / Friday)

**Required 1/week

LAKE OZARK/OSAGE BEACH WWTP
Operation Report

DATE	DESCRIPTION	AMOUNT	MONTH	YEAR
			December	2012

[illegible]

Use following abbreviations R-rain, S-snow, O-ozeasi, C-clear, PC-partially cloudy
Prepared by GH FH JH

Approved by: GH

Date 1/3/2013



Handwritten: Mailed 12/5/12

December 4, 2012

Missouri Dept. of Natural Resources
Water Protection Program
P.O. Box 176
Jefferson City, MO 65102-0176

ATTN: Mr. Paul Dickerson, Compliance and Enforcement Section

RE: Annual Compliance Report for;
Lake of the Ozarks Regional Wastewater Treatment Plant #1, MO-0103241

Gentlemen:

This letter is to inform you that we have not had to or plan on doing any modifications to the treatment process to comply with the effluent limitations for total ammonia as nitrogen, oil and grease, and selenium which will take effect December 10, 2013. We have been testing for total ammonia as nitrogen, weekly since January 2005 and oil and grease, monthly since December 2010, and selenium, quarterly since January 2011, as the current permit requires and have always been well below the new 2013 permit limits. All test results have been mailed to the Southwest Regional Office on our monthly DMR's as required and again we see no reason that we will not be able to meet the new limitations set in the new 2013 permit.

Sincerely,

Gary Hutchcraft, Local Manager
Alliance Water Resources, Inc.
Lake of the Ozarks Regional Wastewater Treatment Plant #1
MO-0103241

cc: Nancy Viselli – Osage Beach
Dave Van Dee - Lake Ozark
Dick Tuttle – Alliance Water Resources
Gary Johnson – Alliance Water Resources

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December 10, 2012

Lake Ozark-Osage Beach Joint Sewer Treatment Plant
1000 City Parkway
Osage Beach, MO 65065

RE: Property Policy #H-660-6974P061
04/10/12 to 04/10/13

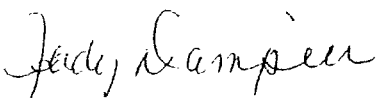
Dear Karri Bell:

I would like to follow up on Recommendation letter dated July 30, 2012 and sent to Gary Hutchcraft regarding fire detection systems at the Lab/Offices, Head Works and UV Disinfection buildings. This recommendation was made after an inspection was conducted by Travelers Risk Control Specialist, Shawn Elliff. A written response to the recommendation and addressed to Travelers is required.

In addition to the recommendation, it was noted by Mr. Elliff that a control panel in the UV Disinfection building valued around \$500,000 is not scheduled or covered by the policy. Please advise if you would like me to ask the company to endorse the policy to provide coverage for this item. Are there any other items to be added such as the new generator?

Please let me know if you have any questions or need additional information.

Sincerely,


Judy Dampier

COPY



Travelers Risk Control
7465 West 132nd Street
Overland Park, KS 66213

July 30, 2012

Mr. Gary Hutchcraft
Local Manager
Alliance Wastewater Operation
#3 Anderson Road
Lake Ozark, MO 65049

Dear Gary:

I would like to thank you for taking the time to meet with me on July 13, 2012. We were able to discuss your operations and you provided me with a tour of the entire facility. I was especially pleased to hear that you are signed up for and utilize the Travelers risk control web site for safety resources for you and your staff.

In touring the buildings with you (Lab/Offices, Head Works Building and UV Disinfection Building) I noticed that none of the buildings were equipped with smoke detection. I am including an advisory recommendation for the installation of smoke detection for these three buildings. The concern being if a fire occurred in one of the buildings during off hours when the plant was not staffed it would go undetected resulting in a possible loss of the building and equipment.

RECOMMENDATIONS

The following recommendation is offered to help you in your efforts to improve your current safety program and help reduce your potential losses.

NEW RECOMMENDATIONS

12-01 Fire Detection System

In order to promptly notify the fire department in the event of a fire, an approved fire detection system should be installed in all areas of the building in accordance with the latest edition of NFPA 72 *National Fire Alarm Code*, and alarm signals should be automatically transmitted to a UL listed central station or directly to the fire department or public dispatcher.

\$2500 -
\$5000
Dialer?
set



I would appreciate a written response within 45 days on your plans or actions taken to address the recommendations submitted in this report. For your convenience, you may mail, fax or email your response to:

Shawn T. Elliff, Senior Risk Control Specialist
c/o Risk Control Resource Center
Travelers
One Tower Square, 13 CR
Hartford, CT 06183-4070
FAX: 1-877-739-9150
E-Mail: Risk.Control.PC@travelers.com

Please note Job #: **000A-99LK55** on your correspondence.

We appreciate your business and the opportunity to help you reduce exposures and minimize loss. If you have questions regarding our discussions, the content of this letter, or if I can be of further assistance, please contact me. Thank you for choosing Travelers.

Sincerely,

A handwritten signature in black ink that reads "Shawn Elliff".

Shawn T. Elliff
Senior Risk Control Specialist
913-402-5424
selliff@travelers.com