

**OSAGE BEACH/LAKE OZARK
JOINT SEWER BOARD MEETING
AGENDA
SEPTEMBER 11, 2013
4:00 p.m.
LAKE OZARK CITY HALL**

1. CALL TO ORDER

2. ROLL CALL

Penny Lyons, Mayor, Osage Beach
Johnnie Franzeskos, Mayor, Lake Ozark
Nancy Viselli, City Administrator, Osage Beach
Dave Van Dee, City Administrator, Lake Ozark
Don Langley, Alderman, Lake Ozark
John Olivarri, Alderman, Osage Beach
Nick Edelman, Public Works Interim Director, Osage Beach
Matt Michalik, Public Works Director, Lake Ozark
Gary Hamner

3. MINUTES

Page Numbers

Regular Meeting; August 20, 2013 3-5

4. REPORTS

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August 2013 Alliance and Flow Report	34-52

5. OLD BUSINESS

Update from Steve Mauer on the September 26th Hearing on the Land Reclamation
Commission Decision

6. NEW BUSINESS

7. DISCUSSION

8. ADJOURNMENT

THE NEXT MEETING WILL BE OCTOBER 15, 2013, 4:00 PM @ LAKE OZARK CITY HALL

**LAKE OZARK - OSAGE BEACH
JOINT SEWER BOARD
Meeting Minutes – August 20, 2013**

Call to Order:

Mayor Penny Lyons called the meeting to order at 4:00 p.m. at Lake Ozark City Hall.

Roll Call:

Present: Mayor Penny Lyons
Mayor John Franzekos
City Administrator Nancy Viselli
City Administrator, Dave Van Dee
Osage Beach Alderman John Olivarri
Lake Ozark Alderman, Don Langley
Gary Hamner
Lake Ozark Public Works Director, Matt Michalik
Nick Edelman

Absent: None

Others Present: Gary Hutchcraft, Plant Manager
Gary Johnson, Alliance Water Resources
Karri Bell, Osage Beach Treasurer
Ed Rucker, Osage Beach City Attorney

MINUTES OF PAST MEETING:

Mayor Penny Lyons asked for a motion to approve the minutes from the July 16, 2013 meeting. Mayor John Franzekos motioned to approve the minutes second by Alderman John Olivarri, all voted and unanimously approved. Gary Hamner asked Gary Hutchcraft if he would summarize any corrections what he had last month on his hand out report as part of the official minutes for Mardonna.

PUBLIC COMMENT: None to report

BILLS LIST: Karri Bell presented a corrected Bill List, on page 6. Under Operating Fund Bills To Be Paid Description: Vehicle Main, fifth (5th) line item is listed as, Paid To: Alliance Water Resources, Inc. It should read, Paid To: Roemers. Karri also presented a corrected Revenue/Budget Analysis, on page 21. Under the 2013 July Revenue column, line item two (2) dollar amount reads \$774.74. It should read \$7,747.74 which changed the Total Operating 2013 July Revenue from \$44,636.68 to \$51,609.68. With that correction, City Administrator Nancy Viselli motioned to approve the bills list, second by Gary Hamner.

REPORTS:

REVENUE BUDGET ANALYSIS
EXPENDITURE BUDGET ANALYSIS
INCOME & EXPENSE SUMMARY
CASH FLOW ANALYSIS
BALANCE SHEET
CHECK REGISTERS & BANK STATEMENTS

ALLIANCE REPORT & FLOW CHARTS:

Gary Hutchcraft went over the July 2013 summary report of operations, a copy of which was included in the meeting packet. Gary mentioned that we are budgeted to replace a couple wooden doors per year with fiberglass, but since we are not going to be able to do a couple of the larger projects, we would like to replace four (4) doors this year. He has received four (4) bids for replacing the fiberglass doors with Westfall Company which has the lowest bid of \$4,000. Lake Ozark Public Works Director, Matt Michalik motioned to approve the bid from Westfall Company to replace four (4) wooden doors, second by Osage Beach Alderman, John Olivarri. All voted in favor and unanimously approved. Gary Hutchcraft also wanted to thank Matt Michalik and his crew with the roads and moving equipment up the hill from the heavy rains. Mayor John Franzeskos motioned to approve the July 2013 Alliance Report and Flow Chart; second by Lake Ozark Alderman, Don Langley. All voted and unanimously approved. Gary Hamner mentioned to Gary Hutchcraft that our electric savings this year is about the same as last year we are now plateaued on the electric bill and thinking towards this winter, can we shut down a ditch to save on electricity without any damage. Gary Johnson replied and said it could be a tedious job and if you shut down a ditch for a long period of time and start them back up, you have a lot of settlement on the bottom that starts to rise, then you're fighting with the DO and bugs. Gary said yes, you can do it, and recommended that if you shut them down for a week or two at a time, make sure you watch it because you have all that sediment down at the bottom and if you see bubbles appear, you have gone too far.

OLD BUSINESS:

Correspondence with Land Reclamation Commission. There will be a meeting on September 26, 2013 at 10:00 a.m. in Jefferson City, MO that the Missouri Land Reclamation Commission will discuss and make a decision on the Administrative Hearing Commission's June 27, 2013 recommended decision concerning Magruder Limestone, Company, Inc., Lake of the Ozark Quarry. Anyone is invited to attend the meeting and if you wish, to make a presentation to the commission. It was everyone's concern that who was going to make sure Magruder will be monitoring, evaluating and enforcing the conditions that Commissioner Winn recommended. It was discussed to have Steve Mauer request a pre-blast assessment from Magruder as one of our requirements. Gary Hutchcraft said he had contacted five (5) different companies concerning pre-blast assessments, due to the concern of the vibrations causing damage to the treatment plant structures. He said this process would be very time consuming and anticipated costs would be in the \$40,000 to \$60,000 range and renting or purchasing a seismograph would probably be the best way to monitor any vibrations that might be over the maximum threshold set by MDNR mining permit. The expense of renting a unit would cost up to \$600/month and to purchase a unit would cost up to \$4,000 to \$6,000. City Administrator, Nancy Viselli asked Gary to send her the information he has about the pre-blast assessments so she can forward it to Steve Mauer.

NEW BUSINESS:

Review of 2012 Audit. Karri Bell presented the Audit Communications Letter for the 2012 Audit. She said it all looks good and normal.

Alliance Supplemental Agreement – Contract extension to 12/31/18. It was noted that there are two (2) misspelled words on the first page. When these corrections are made, it needs to be signed and submitted. With that correction, Osage Beach Alderman, John Olivarri motioned to approve the Alliance Supplemental Agreement, second by Mayor John Franzekos. All voted and unanimously approved.

Discussion regarding Rocky Mount Sewer District. A group of people have filed a law suit against Rocky Mount Sewer District to stop them from operating a treatment plant where they want to put it. Dave Van Dee and Matt Michalik both received a phone call from an individual in the neighborhood who was aware at one time that Rocky Mount Sewer District may be added to the treatment plant through Lake Ozark and inquired us to avoid it. Dave said there was too many unknown questions at the end and was not comfortable with it and left it at that. They followed up with a Sunshine Request with Lake Ozark and Osage Beach and requested copies of minutes and mentioned that there will be an article in the Lake Sun and Focus about the law suit. Dave said in a conversation with them that we are not opposed to it and have developed policies to clarify things and willing to discuss it with them, but we are not getting in the middle of a law suit. Dave said him and Nancy wanted to let everyone know that they made the request and those copies are put in our files.

OTHER DISCUSSION: Since we have a couple people who will be attending the MML the week of the scheduled meeting on September 17th, we will need to reschedule the meeting. After some discussion, the September meeting has been changed to Wednesday the 11th @ 4:00 p.m. at Lake Ozark City Hall. Lake Ozark Public Works Director, Matt Michalik said he has a question to ask on behalf of Lake Ozark Police Chief, can LOPD put in a shooting range down by the sewer treatment plant for police training purposes only. Karri Bell said she would have to contact the insurance company and ask about the liability issues. Ed Rucker suggested the Chief put something in writing and submit it to the insurance company then, wait for a response so there will be a paper trail.

ADJOURMENT:

With nothing further to discuss, the meeting was adjourned at 4:40 pm. The next scheduled meeting is Wednesday, September, 11, 2013, 4:00 pm. at Lake Ozark City Hall.

Penny Lyons
Mayor, Osage Beach

Mardonna Phillips
Joint Sewer Clerk, Lake Ozark

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JOINT SEWER BOARD

BILL LIST

September 11, 2013

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:	\$	-
OPERATING FUND BILLS TO BE PAID:	\$	40,328.56
EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:	\$	-
EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:	\$	-
TOTAL		\$ 40,328.56

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:

Account	Check	Paid To:	Description:	Amount:
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TOTAL				\$ -
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OPERATING FUND BILLS TO BE PAID:

Account	Check	Paid To:	Description:	Amount:
4170	3322	Alliance Water Resources, Inc.	August 2013 Management Fee	\$ 23,450.82
4000	3323	Equipment Replacement Fund	New Basin -Loan Payment	\$ 2,330.12
4170	3323	Equipment Replacement Fund	Payment into ER Fund	\$ 3,467.17
4020	3324	Alliance Water Resources, Inc.	Misc Repair/Main	\$ 870.45
4050	3324	Alliance Water Resources, Inc.	New Tires Dakota	\$ 210.00
4220	3325	Zerger & Mauer	Magruder Lawsuit Partial Payment	\$ 10,000.00

TOTAL				\$ 40,328.56
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EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:

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

Account	Check	Paid To:	Description:	Amount:
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				\$ -
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Alliance Water Resources, Inc.
Professional Water and Wastewater Operations
206 South Keene Street
Columbia, Missouri 65201
(573) 874-8080 Fax (573) 443-0833

INVOICE

Invoice No: 5747

SOLD TO:

01-Sep-13

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

Customer No: 20220

Terms: 30 days

REFERENCE	DESCRIPTION	AMOUNT
	Wastewater Plant operating service for month of: Sep-13 Base Fee	\$23,450.82
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: 5748****Invoice Date: 01-Sep-13****Customer No: 20220****Terms: 30 days**

REFERENCE	DESCRIPTION	AMOUNT
	Grainger - 1 Invoice - 50%	\$160.99
	Jefferson City Oil Co - 1 Invoice - 50%	\$458.33
	John Henry Foster - 1 Invoice - 50%	\$130.50
	HD Supply Waterworks - 1 Invoice - 50%	\$120.63
	Walmart - 1 Invoice - 50%	\$210.00
TOTAL DUE		\$1,080.45



John Henry Foster

pneumatic and hydraulic equipment

www.jhf.com

REMIT TO: P.O. BOX 419161
Creve Coeur, MO 63141-9161

Ph (314) 427-0600
Fax (314) 427-3502

Invoice #	01257359
Page #	1
Date	08/06/2013

** ORIGINAL INVOICE **

We accept Visa and Mastercard

SOLD TO
Account #: 30796
ALLIANCE WATER RESOURCES
#3 ANDERSON ROAD
P.O. BOX #1985
LAKE OZARK, MO 65049-

SHIP TO
30796
ALLIANCE WATER RESOURCES
#3 ANDERSON ROAD
P.O. BOX #1985
LAKE OZARK, MO 65049-

Customer PO Number	Ship Date	Salesperson	Terms	Order Date	
HUTCHCRAFT, GAR	08/02/2013	Neil Burton	Net 20 Days	08/01/2013	
JHF Order #	Order Entered By	Placed By	Ship Via	Secondary Ship Via	
01538451	Mary Boschert	GARY HUTCHCRAFT	UPS		
Part Number / Description	Ordered	Shipped	Backorder	Price Ea	Extension
KL3045 SWITCH, N/O REED Direct from Vendor <i>FOR UV SYSTEM</i>	4	4	0	60.00	240.00

RECEIVED
AUG 08 2013

GL Acct#: 6705-20 \$151.92 1320-20 \$130.50

Signature: *Gary Hutchcraft*

Date: 8/8/13



How are we doing? How can we help you?
Please send us a note. feedback@jhf.com

Review and place orders at www.jhf.com/

Subtotal	Freight	Sales Tax	TOTAL
240.00	21.00	21.42	282.42

GF-03-02 10-1-2005

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

Walmart

Save money. Live better.

(.573.) 348 - 6415
MANAGER, PHIL HAMILTON
4252, HIGHWAY 54
OSAGE BEACH, MO. 65066
ST#. 0815, OP#. 00003919, TE#. 90, TR#. 06835
TLE, ITEMS, FOLLOW
ORDER NUMBER, 0048670026962
VAVLE, STEM, 060538862034, 3.00, X
VAVLE, STEM, 060538862034, 3.00, X
VAVLE, STEM, 060538862034, 3.00, X
VAVLE, STEM, 060538862034, 3.00, X
P235/76R15, 069766201189, 82.00, X
STATE, FEE, 060538860389, 0.50, 0
P235/76R15, 069766201189, 82.00, X
STATE, FEE, 060538860389, 0.50, 0
P235/76R15, 069766201189, 82.00, X
STATE, FEE, 060538860389, 0.50, 0
P235/76R15, 069766201189, 82.00, X
STATE, FEE, 060538860389, 0.50, 0
ROADHAZARD, 060538898913, 10.00, N
ROADHAZARD, 060538898913, 10.00, N
ROADHAZARD, 060538898913, 10.00, N
ROADHAZARD, 060538898913, 10.00, N
TIRE, FEE, 000003700848, 1.50, 0
TIRE, FEE, 000003700848, 1.50, 0
TIRE, FEE, 000003700848, 1.50, 0
TIRE, FEE, 000003700848, 1.50, 0
LIFE, WHL, BAL, 007874224343, 8.00, N
LIFE, WHL, BAL, 007874224343, 8.00, N
LIFE, WHL, BAL, 007874224343, 8.00, N
LIFE, WHL, BAL, 007874224343, 8.00, N
TLE, ITEMS, COMPLETE
SUBTOTAL, 420.00
TAX, 1, 7.475, %, 26.42
TOTAL, 446.42
WALMART, CREDIT, TEND, 446.42

ACCOUNT, \$, ****, ****, ****, **59, 20, S
APPROVAL, \$, 008977
REF, \$, 322000483628
TERMINAL, \$, 24004138

08/08/13, 15:02:45

CHANGE, DUE, 0.00

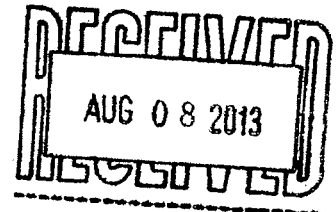
DUPLICATE, RECEIPT, *****

ITEMS SOLD 24

TC#, 6457, 6987, 1723, 4879, 6554, 1


Ask a Pharmacy Sales Associate how you
can save money on pet medications!
08/08/13, 15:02:46

CUSTOMER COPY



DODGE DAKOTA TIRES

GL Acct#: 6702-20 \$235.42 1220-20 \$210.00

Signature: *Gay Hutchcraft*

Date: 8/8/13



Local Service, Nationwide
P.O. Box 1419
Thomasville, GA 31799-1419

INVOICE

BRANCH ADDRESS
HDSWW - OSAGE BEACH MO
Branch - 138
1049 B Industrial Dr
Osage Beach MO 65065
573/348-1273

INVOICE #	B339908
INVOICE DATE	8/12/13
ACCOUNT #	116902
SALESPERSON	STEVEN BURKE
BRANCH #	138

Total Amount Due	\$259.29
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Remit To:
HD SUPPLY WATERWORKS, LTD.
PO BOX 503660
ST LOUIS, MO 63150-3660

950 1 MB Q.405 E0131X 00266 0754850893 P1585045 0001:0001



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

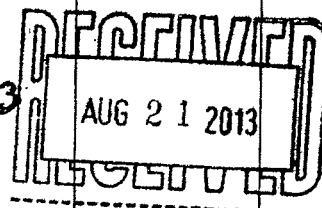
Shipped to:

CUSTOMER PICK-UP -

Return Top Portion With Payment For Faster Credit

Thank You For The Opportunity To Serve You.
We appreciate your prompt payment.

Date Ordered	Date Shipped	Customer PO No.	Job Name	Job No.	Bill of Lading	Shipped Via	Order Number
8/09/13	8/09/13	STOCK	STOCK			YOUR TRUCK	B339908
Product Code	Description	Quantity Ordered	Quantity Shipped	Back-Ordered	Price	Per	Amount
96ACL050	50# DRUM GRANULAR CHLORINE	1	1		99.2500	EA	99.25
96TCS50LB	TRI-CHLOR STICKS 50LB PAIL	1	1		142.0000	EA	142.00
FOR CLEANING CLARIFIERS							
GL Acct#: <u>6705-20 \$138.66</u> 1220-20 \$206.63 Signature: <u>[Signature]</u> Date: <u>8/21/13</u>							



This transaction is governed by and subject to HD Supply Waterworks standard terms and conditions, which are incorporated herein by this reference and accepted. To review these terms and conditions, please point your web browser to <http://waterworks.hdsupply.com/TandC/>.

Freight	Delivery	Handling	Restock	Misc.	Tax	INVOICE TOTAL	SubTotal
					18.04		241.25
						\$259.29	

HDSWW - OSAGE BEACH MO
Branch - 138
1049 B Industrial Dr
Osage Beach MO 65065

THANK YOU FOR YOUR ORDER
VISIT
WATERWORKS.HDSUPPLY.COM
FOR OTHER SERVICES OFFERED

INVOICE:	B339908
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GRAINGER.

PAGE 1

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

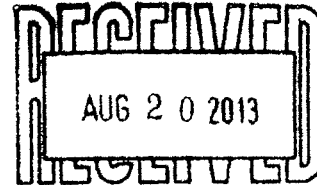
SHIP TO
ATTN: GARY HUTCHCRAFT
ALLIANCE WATER RESOURCES
3 ANDERSON RD
LAKE OZARK MO 65049-0000

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

ORIGINAL INVOICE

GRAINGER ACCOUNT NUMBER 858374754
INVOICE NUMBER 9217706945
INVOICE DATE 08/14/2013
DUE DATE 09/13/2013
AMOUNT DUE \$347.26

PO NUMBER
CALLER: GARY HUTCHCRAFT
CUSTOMER PHONE: 5733650455
ORDER/DELIVERY#: 6236336743
INCO TERMS: FOB ORIGIN



THANK YOU!

FEI NUMBER 36-1150280

FOR QUESTIONS ABOUT THIS INVOICE OR ACCOUNT CALL 877-202-2594

PO LINE #	ITEM #	DESCRIPTION	QUANTITY	BACK ORDERED	UNIT PRICE	TOTAL
	4XC64	FUSE, MIDGET, FNQ, 30A, 500VAC MANUFACTURER # FNQ-30	20		15.61	312.20
FUSES FOR KUAR UNITS						
GL Acct#: 6705-20 \$186.27 1220-20 \$160.99						
Signature: Gary Hutchcraft						
Date: 8/20/13						

NUMBER OF PKGS:
DATE SHIPPED: 08/14/2013
CARRIER: UPS GROUND
TRACKING NO: 1Z5812730368931999

WEIGHT: 0.200

INVOICE SUB TOTAL 312.20
SHIPPING CHARGE 9.77
TAX 25.29

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

\$347.26

PLEASE DETACH THIS PORTION AND RETURN WITH YOUR PAYMENT

BILL TO:

ALLIANCE WATER RESOURCES
PO BOX 1985
LAKE OZARK MO 65049-1985
UNITED STATES OF AMERICA

REMIT TO:

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

858374754921770694510000347261000252910000977100000013091335

X

ACCOUNT NUMBER

858374754

DATE

08/14/2013

INVOICE NUMBER

9217706945

AMOUNT DUE

\$347.26

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

ZERGER & MAUER LLP

1100 Main Street

Suite 2100

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

STATEMENT

PRIVILEGED & CONFIDENTIAL

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

Account No. 1014.0002
 RE: Magruder

Statement Date: 08/22/2013
 Statement No. 2903
 Page No. 1

Fees

		Rate	Hours	
07/03/2013				
SEM	Review opinion from Commissioner Winn; prepare letter to Mayor Lyons and others at Joint Sewer Board. NO CHARGE	280.00		
07/15/2013				
MLR	Review and analyze decision from Administrative Hearing Commission; communicate with Land Resource Commission regarding decision and logistics for LRC hearing of matter.	250.00	1.90	475.00
MLR	Letter to LRC confirming our desire to be notified of hearing.	250.00	0.80	200.00
07/16/2013				
SEM	Prepare response to audit letter request. NO CHARGE	280.00		
07/24/2013				
SEM	Review letter to B. Zeiman regarding next meeting with Land Reclamation Commission; prepare letter to P. Lyons, E. Rucker and N. Viselli regarding same; exchange telephone calls with N. Viselli regarding telephone call to discuss strategy.	280.00	0.20	56.00
07/26/2013				
MLR	Telephone conference with client regarding strategy for addressing LRC on permit.	250.00	0.60	150.00
SEM	Telephone conference with N. Viselli, Mayor Lyons and E. Rucker regarding strategy; prepare notes regarding same.	280.00	0.50	140.00
	For Current Services Rendered		4.00	1,021.00

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

City of Osage Beach
Account No. 1014.0002
RE: Magruder

Statement Date: 08/22/2013
Statement No. 2903
Page No. 2

Expenses

07/02/2013	Photocopy charges	11.60
07/05/2013	Postage	2.07
07/15/2013	Postage	0.46
07/17/2013	Photocopy charges	0.80
07/17/2013	Postage	0.46
07/17/2013	Postage	1.38
07/17/2013	Postage	0.46
07/25/2013	Photocopy charges	0.40
07/25/2013	Postage	0.46
	Total Expenses	18.09
	Total Current Work	1,039.09
	Previous Balance	\$54,326.69

Payments

07/22/2013	Payment	-10,000.00
	Balance Due	<u>\$45,365.78</u>

Zerger and Mauer 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
1/15/2013	Check # 3265	\$ (6,133.55)
1/30/2013	Statement #2170	\$ 13,235.39
2/19/2013	Check # 3273	\$ (10,000.00)
2/19/2013	Statement #2236	\$ 9,869.73
3/26/2013	Check # 3281	\$ (10,000.00)
4/16/2013	Check # 3291	\$ (10,000.00)
4/30/2013	Statement #2399	\$197.32
5/10/2013	Check # 3298	\$ (10,000.00)
5/30/2013	Statement #2596	\$127.62
6/24/2013	Statement #2689	\$929.92
7/3/2013	Check # 3306	\$ (10,000.00)
7/23/2013	Statement #2828	\$308.86
8/6/2013	Check # 3311	\$ (10,000.00)
8/22/2013	Statement #2903	\$1,039.09
8/31/2013	Check # 3320	\$ (10,000.00)
	Current Balance	<u>\$ 35,365.78</u>
9/10/2013	Check # 3325 (Pending)	\$ (10,000.00)
	New Balance	<u>\$ 25,365.78</u>

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

Account Number	Account Name	8/31/2013				2013 Actual as of 8/31/2013	2013 August Revenue	Percent YTD
		2011 Actual	2012 Actual	2013 Budget				
3020	Osage Beach	399,428.80	403,305.55	451,000.00	299,863.19	38,080.78	66%	
3010	Lake Ozark	90,571.18	86,694.44	99,000.00	61,803.47	7,752.55	62%	
3100	Interest	804.37	537.49	200.00	27.01	2.42	14%	
3060	Waste Haulers' Fee	39,457.00	40,820.00	38,000.00	30,760.00	5,700.00	81%	
Total Operating Fund		530,261.35	531,357.48	588,200.00	392,453.67	51,535.75	67%	
E/R Fund Income		1,355.61	1,374.82	1,500.00	1,011.71	7.50	67%	
TOTAL INCOME		531,616.96	532,732.30	589,700.00	393,465.38	51,543.25	67%	

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**MONTH-TO-DATE AND YEAR-TO-DATE
EXPENDITURE/BUDGET ANALYSIS
8/31/2013**

Account Number	Account Name	2011 Actual	2012 Actual	2013 Budget	2013 Actual as of 8/31/2013	2013 August Expenses	Percent YTD
4000	Equipment Replace Fund	41,606.04	41,606.04	41,606.04	27,737.36	3,467.17	67%
4010	ERF Repayment	27,961.44	27,961.44	27,961.44	18,640.96	2,330.12	67%
4020	**Maintenance & Repair	46,319.94	88,400.79	66,500.00	16,041.34	115.49	24%
4140	Insurance	17,127.00	20,962.00	21,000.00	15,489.00	(152.00)	74%
4150	Vehicle Repair/Maint	2,835.38	5,949.28	3,000.00	0.00	1,074.61	0%
4160	Haulers Fees to Contractor	8,000.00	8,000.00	8,000.00	8,000.00	0.00	100%
4170	Contract Management	266,524.58	272,948.40	281,000.00	187,606.56	23,450.82	67%
4185	Electric	61,407.39	60,862.46	74,000.00	49,296.01	9,861.34	67%
4200	Audit	1,650.00	1,700.00	1,750.00	1,750.00	0.00	100%
4220	***Professional Service	19,298.33	168,904.97	67,000.00	169,639.73	10,000.00	253%
4240	*Capital Purchases	13,241.91	0.00	0.00	0.00	0.00	0%
	Totals	505,972.01	696,995.38	591,817.48	494,200.96	50,147.55	84%
	**E/R Expenses	1,523.00	5,368.50	10,000.00	0.00	0.00	0%
	TOTAL EXPENSES	507,495.01	702,363.88	601,817.48	494,200.96	50,147.55	82%
	***Professional Services:						
	Normal/Magruder Lawsuit		67,000.00	Paid 05/13	UV Spare Parts (\$3668.16)		5,000.00
			67,000.00		Replace Wooden drs w/ Fiberglass		2,000.00
					Auto Dialer Yearly Software Fee		500.00
					Rock for Road		2,000.00
					Normal Maintenance		6,000.00
				Paid 07/13	Riding Lawn Mower (\$4449.00)		6,000.00
					#1 Aeration Basin Main.		45,000.00
							66,500.00

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OPERATING FUND INCOME AND EXPENSE SUMMARY
8/31/2013

Beginning Balance	24,129.09
Income - Osage Beach	38,080.78
Income - Lake Ozark	7,752.55
Income - Other	0.00
Income - Waste Haulers' Fees	5,700.00
Interest - Checking	2.42
Income - CD Interest	0.00
Transfers From E/R Fund	0.00
Transfers to E/R fund	-5,797.29
Expenses	-44,502.26
Ending Fund Balance	25,365.29
NOW Account - Central Bank	35,517.29
Outstanding Checks:	-10,000.00
Deposit in Transit:	0.00
	25,517.29

EQUIPMENT REPLACEMENT FUND INCOME AND EXPENSE SUMMARY
8/31/2013

Beginning Balance	350,615.56
Interest - Checking	7.50
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	356,420.35
NOW Account - First Bank	65,654.42
CD First National Bank, 01/14 #000048178	113,312.52
CD Providence Bank, 01/14	76,121.63
CD First National Bank, 01/14 #000049153	101,331.78
Deposit in Transit	0.00
Outstanding Checks:	0.00
	356,420.35

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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	TOTAL	BUDGET
	CASH BALANCE:	36,590	36,837	40,956	43,218	31,428	29,343	29,477	24,129	25,517	24,484	26,721	27,407	-	-
	Osage Beach	34,638	38,604	38,005	37,996	37,463	36,992	38,086	38,081	38,054	37,583	37,583	37,583	450,669	451,000
	Lake Ozark	6,195	7,230	7,829	7,838	8,370	8,841	7,748	7,753	7,779	8,800	8,800	8,250	95,434	98,000
	Interest	4	3	5	3	3	3	3	2	2	2	2	2	35	200
	Waste Haulers' Fees	2,320	4,680	2,100	2,340	3,420	4,700	5,500	6,700	3,000	3,000	1,250	-	38,010	38,000
	Transfers to ER Fund	(5,798)	(5,798)	(5,797)	(5,797)	(5,797)	(5,797)	(5,798)	(5,797)	(5,798)	(5,798)	(5,798)	(5,798)	(69,569)	(69,567)
	Equip & Bldg Repair/Main	(190)	(1,610)	(160)	(331)	(5,791)	(308)	(7,535)	(115)	(870)	(1,000)	(1,500)	(2,000)	(21,411)	(21,500)
	#1 Aeration Basin	-	-	-	(15,641)	-	-	-	-	-	-	-	(45,000)	(45,000)	(45,000)
	Insurance	-	-	-	-	-	-	-	152	-	(900)	(500)	(500)	(15,489)	(21,000)
	Vehicle Repair/Main.	-	-	-	-	-	-	-	(1,075)	-	-	(500)	(500)	(2,975)	(3,000)
	Haulers Fees to Contractor	(23,451)	(1,300)	(2,200)	(1,051)	(1,170)	(1,710)	(570)	-	-	-	-	-	(8,001)	(8,000)
	Contract Management	(23,451)	(23,451)	(23,451)	(23,451)	(23,451)	(23,451)	(23,451)	(23,451)	(23,451)	(23,451)	(23,451)	(23,451)	(281,411)	(281,000)
	Electric	(3,472)	(4,240)	(4,069)	(4,056)	(5,132)	(9,135)	(9,332)	(9,862)	(8,000)	(6,000)	(5,700)	(5,000)	(73,997)	(74,000)
	Audit	(10,000)	(10,000)	(10,000)	(9,640)	(10,000)	(10,000)	(10,000)	(10,000)	(1,750)	(10,000)	(10,000)	(5,366)	(1,750)	(1,750)
	Professional Services	-	-	-	-	-	-	-	-	-	-	-	-	(115,006)	(67,000)
		36,837	40,956	43,218	31,428	29,343	29,477	24,129	25,517	24,484	26,721	27,407	(13,872)	-	-

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**OPERATING FUND
BALANCE SHEET
8/31/2013**

		DEBITS	CREDITS	
ASSETS	CASH AND INVESTMENTS	25,517.29		
ACCOUNTS PAYABLE	DUE TO E.R. FUND - BASIN		9,205.14	
EQUITY	FUND BALANCE		16,312.15	
TOTAL OPERATING FUND		25,517.29	25,517.29	-

**EQUIPMENT REPLACEMENT FUND
BALANCE SHEET
8/31/2013**

		DEBITS	CREDITS	
ASSETS	CASH AND INVESTMENTS	356,420.35		
ACCOUNTS RECEIVABLE	DUE FROM OPERATING FUND - BASIN	9,205.14		
EQUITY	FUND BALANCE		365,625.49	
TOTAL EQUIPMENT REPLACEMENT FUND		365,625.49	365,625.49	-

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Operating Fund

CHECK REGISTER - JOINT SEWER BOARD OPERATION FUND

	reconciled balance 5/31/13			39,341.85
3298	Zerger & Mauer	X	10,000.00	29,341.85
3301	Ameren UE	X	9,135.46	20,206.39
3302	Alliance Water Resources, Inc.	X	23,450.82	(3,244.43)
3303	ER Fund Transfer	X	5,797.29	(9,041.72)
3304	Alliance Water Resources, Inc.	X	308.04	(9,349.76)
3305	Alliance Water Resources, Inc.	X	1,710.00	(11,059.76)
	Deposit	X		38,085.59
	Deposit	X		7,747.74
	Deposit	X		4,700.00
	Interest	X		3.44
	reconciled balance 6/30/13			39,477.01
3306	Zerger & Mauer	X	10,000.00	29,477.01
3307	Alliance Water Resources, Inc.	X	23,450.82	6,026.19
3308	ER Fund Transfer	X	5,797.29	228.90
3309	Alliance Water Resources, Inc.	X	720.71	(491.81)
3310	Alliance Water Resources, Inc.	X	570.00	(1,061.81)
3312	Crown	X	4,449.00	(5,510.81)
3313	Vandevanter		2,365.31	(7,876.12)
3314	Ameren UE		9,330.76	(17,206.88)
	Deposit	X		38,085.59
	Deposit	X		7,747.74
	Deposit	X		5,500.00
	Interest	X		2.64
	reconciled balance 7/31/13			34,129.09
3311	Zerger & Mauer	X	10,000.00	24,129.09
3315	Ameren UE	X	9,861.34	14,267.75
3316	Alliance Water Resources, Inc.	X	23,450.82	(9,183.07)
3317	ER Fund Transfer	X	5,797.29	(14,980.36)
3318	Alliance Water Resources, Inc.	X	115.49	(15,095.85)
3319	Roemers	X	1,074.61	(16,170.46)
	Deposit	X		38,080.78
	Deposit	X		7,752.55
	Deposit	X		5,700.00
	Deposit	X		152.00
	Interest	X		2.42
	reconciled balance 8/31/13			35,517.29



Central Bank of Lake of the Ozarks

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

001917

Return Service Requested



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

Period 08/01/2013-08/30/2013 Page 1 of 2

Web Address
www.cholobank.com

M 6

Your Financial Summary on August 30, 2013

Account Balances & Other Assets

Checking	\$	35,517.29
Total	\$	35,517.29

Detailed Explanation of Account Balances and Other Assets

Checking

Beginning Balance July 31, 2013 \$ 34,129.09

Deposits

Aug. 16 Deposit	152.00
Aug. 16 Deposit	7,752.55
Aug. 16 Deposit	38,080.78
Aug. 22 Deposit	5,700.00
Aug. 30 Interest Earned	2.42

Total **+\$** **51,687.75**

Checks

Check No.	Date Paid	Amount	Check No.	Date Paid	Amount
3311	Aug. 06	10,000.00	3317	Aug. 23	5,797.29
3315	Aug. 20	9,861.34	3318	Aug. 23	115.49
3316	Aug. 23	23,450.82	3319	Aug. 26	1,074.61

Total **-\$** **50,299.55**

Ending Balance August 30, 2013 **\$** **35,517.29**

Number of days since last statement/interest cycle 31
Beginning and ending dates for calculation of statement/interest cycle are 08/01/2013 through 08/31/2013
Average collected balance 38,566.00
Interest rate 0.07%
Annual percentage yield earned 0.07%

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
	Interest	X	1.20	19,246.07
	Deposit	X	5,797.29	25,043.36
	reconciled balance 1/31/13			25,043.36
	Interest	X	2.03	25,045.39
	Deposit	X	5,797.29	30,842.68
	reconciled balance 2/28/13			30,842.68
	Interest	X	2.45	30,845.13
	Deposit	X	5,797.29	36,642.42
	reconciled balance 3/31/13			36,642.42
	Interest	X	3.32	36,645.74
	Deposit	X	5,797.29	42,443.03
	reconciled balance 4/30/13			42,443.03
	Interest	X	3.64	42,446.67
	Deposit	X	5,797.29	48,243.96
	reconciled balance 5/31/13			48,243.96
	Interest	X	3.70	48,247.66
	Deposit	X	5,797.29	54,044.95
	reconciled balance 6/30/13			54,044.95
	Interest	X	7.39	54,052.34
	Deposit	X	5,797.29	59,849.63
	reconciled balance 7/31/13			59,849.63
	Interest	X	7.50	59,857.13
	Deposit	X	5,797.29	65,654.42
	reconciled balance 8/31/13			65,654.42



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

536 00010 26
ACCOUNT:
DOCUMENTS:

PAGE: 1
08/30/2013

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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 ownership category.
For more information about FDIC insurance coverage of noninterest-bearing
transaction accounts,
visit <http://www.fdic.gov/deposit/deposits/expiration.html>

BUSINESS MMDA AC

LAST STATEMENT 07/31/13 59,849.63
2 CREDITS 5,804.79
DEBITS .00
THIS STATEMENT 08/30/13 65,654.42

REF #.....DATE.....AMOUNT REF #.....DATE.....AMOUNT REF #.....DATE.....AMOUNT
08/22 5,797.29

DESCRIPTION OTHER CREDITS DATE AMOUNT
INTEREST 08/30 7.50

AVERAGE LEDGER BALANCE: 61,588.81 INTEREST EARNED: 7.50
AVERAGE AVAILABLE BALANCE: 60,815.84 DAYS IN PERIOD: 30
INTEREST PAID THIS PERIOD: 7.50 ANNUAL PERCENTAGE YIELD EARNED: .15%
INTEREST PAID 2013: 31.23

*** CONTINUED ***



NOTICE: SEE REVERSE SIDE FOR IMPORTANT INFORMATION



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Professional Water and Wastewater Operations

**OPERATING
DIVISIONS**

MISSOURI

Atchison County

Bonne Terre

Boonville

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

TENNESSEE

South Fulton

REPORT OF OPERATIONS

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

Month of August 2013

Submitted by Alliance Water Resources, Inc. for the

September 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 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

	<u>BOD</u> <u>mg/l</u>	<u>TSS</u> <u>mg/l</u>	<u>pH</u>	<u>Fecal Coliform</u> <u>Colonies/100 ml</u>
Monthly Average	1.7	1.6	NA	< 20
Peak Day	4.0	4.2	8.0	120
Percent Removal	99.2	99.2	NA	NA

NPDES EFFLUENT LIMITATIONS

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

PLANT HYDRAULIC AND ORGANIC LOADING

The average daily influent flow for the month was 1.777 MGD or 59% of Permitted flow with Lake Ozark contributing 17% of the total flow and Osage Beach contributing 83%. 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 98420 pounds of BOD.

BIOSOLIDS APPLICATION AND INVENTORY

Plant personnel land applied 74 tanker loads of bio-solids during the month equivalent to a total of 273,800 gallons and 90,969 pounds dry weight solids.

451,576 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 6.5 feet in Tank 1 and 0.0 feet in Tank 2.

WASTEHAULERS

The plant received 57 loads of septage during the month totaling 142,500 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.

WWTP MAINTENANCE AND REPAIR

- Performed routine maintenance throughout the month as per Antero Maintenance Data Management schedule. (New version of Operator 10 Software)
- On the 14th of August we were doing routine maintenance on the KVAR units to check the fuses. We noticed that there were at least 1 or 2 per unit that were bad and with further inspection some of the backs of the fuses were blown out. We called KVAR on the 20th and they ask us to ship the units back to them for repair, all under warranty. We shipped them back on the 23rd and should be getting them back any day.
- We replaced a wiper end sensor and a module lift switch on 1 of the UV banks modules on the 19th of August.

SAFETY

- We conducted our monthly routine Safety Meeting on CPR Review, First Aid, and Bloodborne Pathogens on the 8th of August.

REGULATORY AGENCY, INSPECTION AND REPORTS

- Mailed DMR to MDNR on the 6th of September.
- We received our 503 Sludge Regs. lab results on the 29th of August and everything looked good.(see attachment)

MISCELLANEOUS AND RECOMMENDATIONS

- We would like to again, Thank Matt and the City of Lake Ozark for getting the road fixed up after all the rains we received in the beginning of the month.

TABLE A
LAKE OZARK/OSAGE BEACH WWTP

MONTH OF August 2013

DATE		FLOW					BOD 5 MG/L			TSS MG/L		
	RAIN FALL IN.	LO mgd	OB mgd	COMB mgd	% LO	% OB	LO mg/l	OB mg/l	COMB mg/l	LO mg/l	OB mg/l	COMB mg/l
1-Aug		0.235	1.320	1.555	15.1	84.9						
2-Aug		0.238	1.368	1.606	14.8	85.2	175	260	255	104	192	214
3-Aug	0.35	0.297	1.528	1.825	16.3	83.7						
4-Aug	0.5	0.375	1.977	2.352	15.9	84.1						
5-Aug	1	0.356	1.774	2.130	16.7	83.3						
6-Aug	2.75	0.408	2.181	2.589	15.8	84.2						
7-Aug	9	0.831	2.983	3.814	21.8	78.2						
8-Aug		0.615	2.052	2.667	23.1	76.9						
9-Aug		0.294	1.632	1.926	15.3	84.7	143	148	155	128	152	154
10-Aug	1.4	0.585	3.109	3.694	15.8	84.2						
11-Aug		0.389	1.782	2.171	17.9	82.1						
12-Aug		0.295	1.489	1.784	16.5	83.5						
13-Aug		0.227	1.460	1.687	13.5	86.5						
14-Aug		0.235	1.185	1.420	16.5	83.5						
15-Aug		0.221	1.100	1.321	16.7	83.3						
16-Aug		0.224	1.126	1.350	16.6	83.4	148	193	203	102	168	192
17-Aug		0.245	1.229	1.474	16.6	83.4						
18-Aug		0.299	1.408	1.707	17.5	82.5						
19-Aug		0.254	1.307	1.561	16.3	83.7						
20-Aug		0.205	1.183	1.388	14.8	85.2						
21-Aug		0.195	1.071	1.266	15.4	84.6						
22-Aug		0.214	1.073	1.287	16.6	83.4						
23-Aug		0.223	1.131	1.354	16.5	83.5	190	258	248	196	268	254
24-Aug		0.260	1.275	1.535	16.9	83.1						
25-Aug		0.286	1.354	1.640	17.4	82.6						
26-Aug		0.243	1.178	1.421	17.1	82.9						
27-Aug		0.198	1.015	1.213	16.3	83.7						
28-Aug		0.190	0.980	1.170	16.2	83.8						
29-Aug		0.216	1.066	1.282	16.8	83.2						
30-Aug		0.218	1.113	1.331	16.4	83.6	160	238	210	102	196	200
31-Aug		0.280	1.293	1.573	17.8	82.2						
SUM	15.0	9.351	45.742	55.093								
AVG		0.302	1.476	1.777	17	83	163	219	214	126	195	203
NOTE: BOLD PRINT INDICATES WEEKEND DAYS												

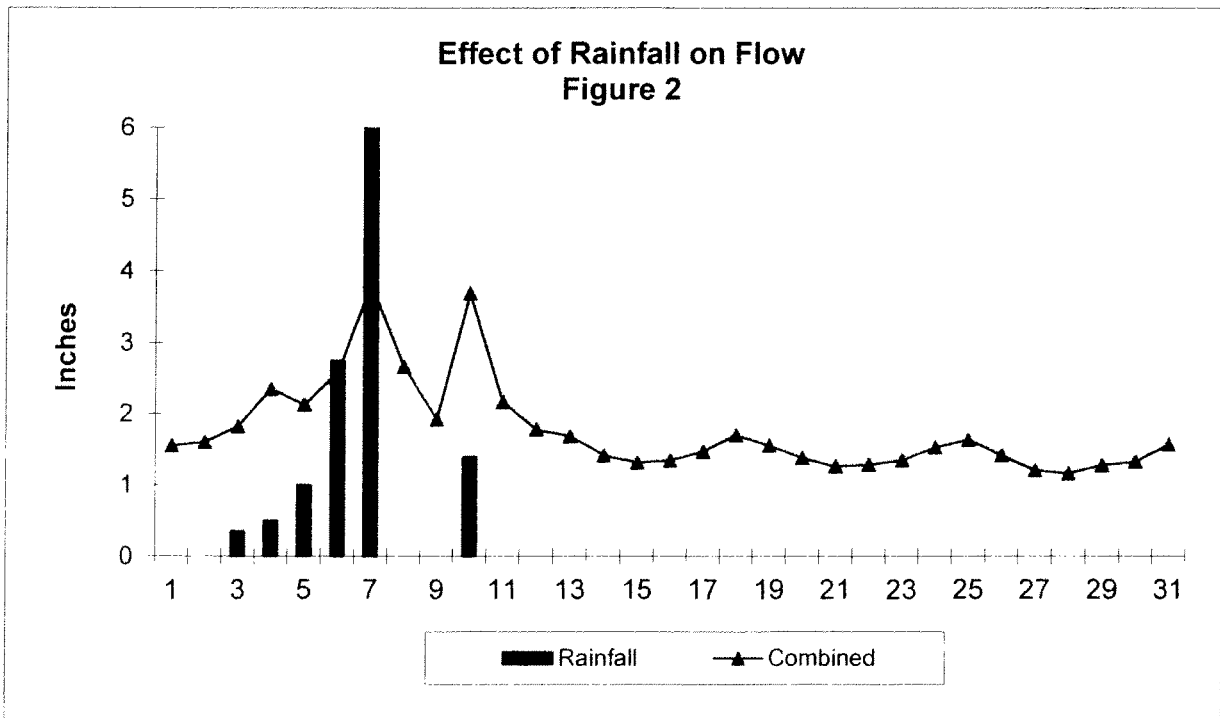
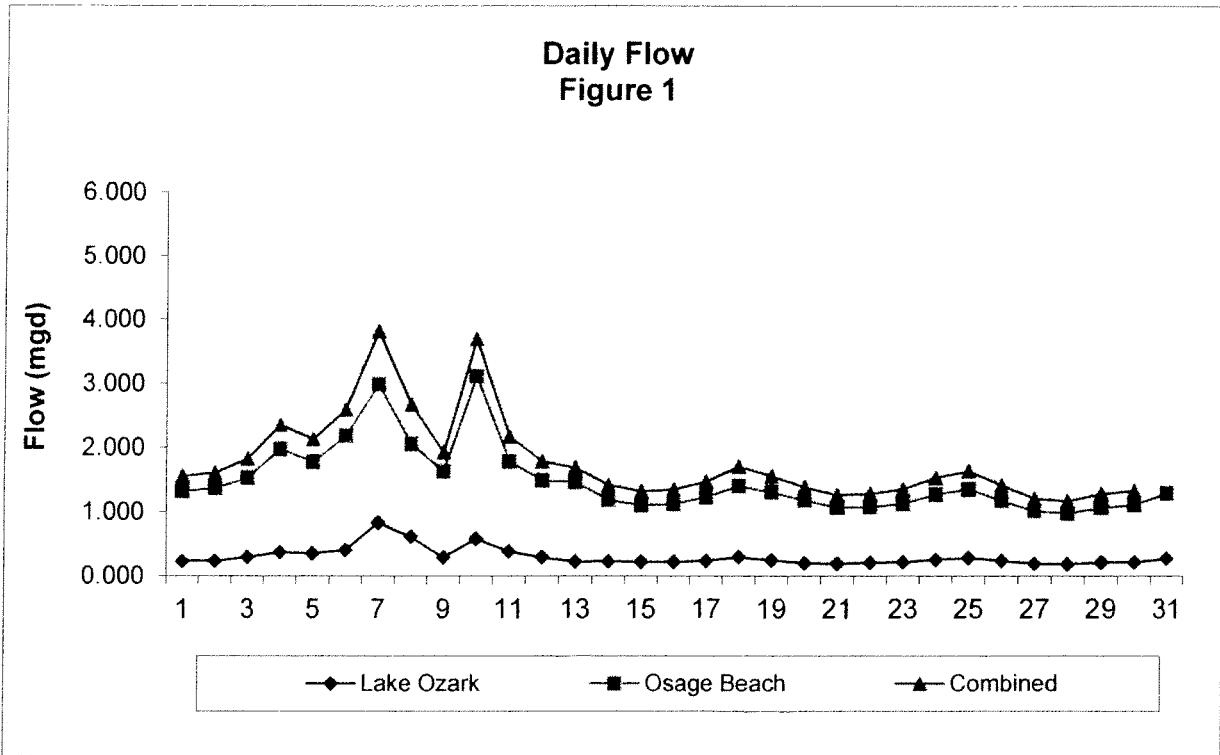
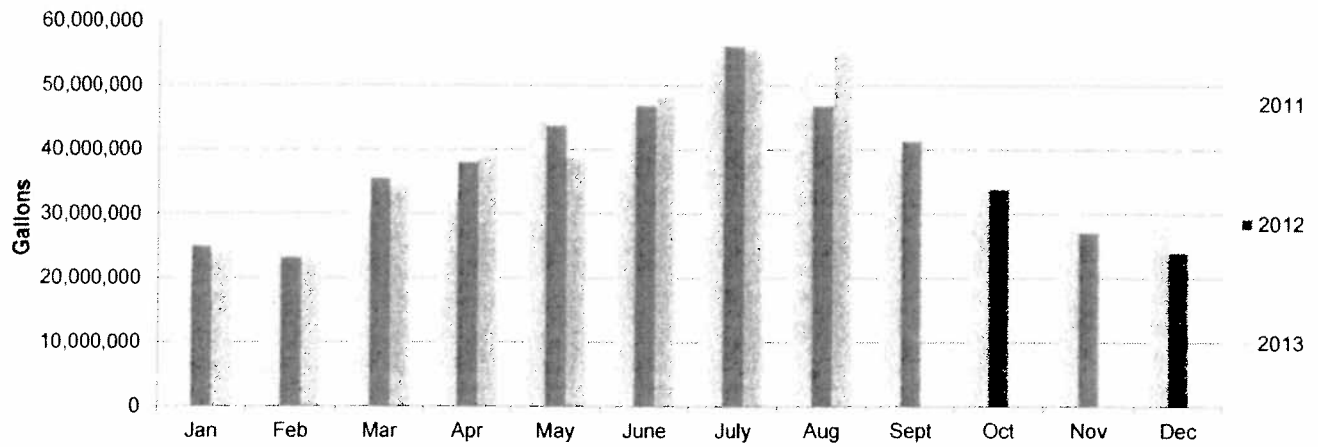


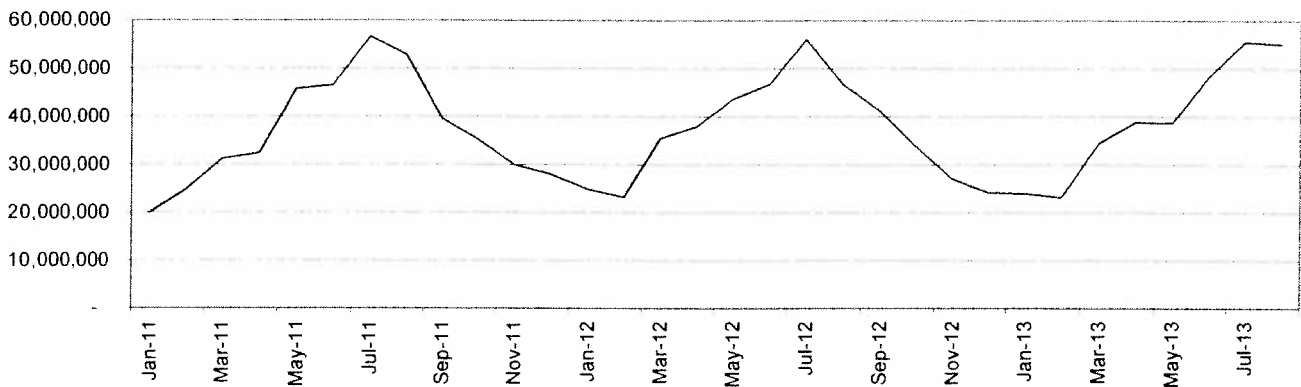
TABLE B
JOINT SEWER BOARD
Monthly Flows

<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%	75,505,000	17%	441,780,000	100%
<u>2013</u>	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	2.8	19,923,000	83%	4,104,000	17%	24,027,000	100%
February	4.2	19,290,000	83%	3,979,000	17%	23,269,000	100%
March	5.3	28,232,000	82%	6,308,000	18%	34,540,000	100%
April	8.7	31,410,000	81%	7,507,000	19%	38,917,000	100%
May	2.9	32,247,000	83%	6,560,000	17%	38,807,000	100%
June	4.6	40,205,000	83%	8,185,000	17%	48,390,000	100%
July	2.2	46,803,000	84%	8,794,000	16%	55,597,000	100%
August	15.0	45,742,000	83%	9,351,000	17%	55,093,000	100%
September							
October							
November							
December							
	45.7	263,852,000	83%	54,788,000	17%	318,640,000	100%

**Monthly Influent Flow
Figure 3A**

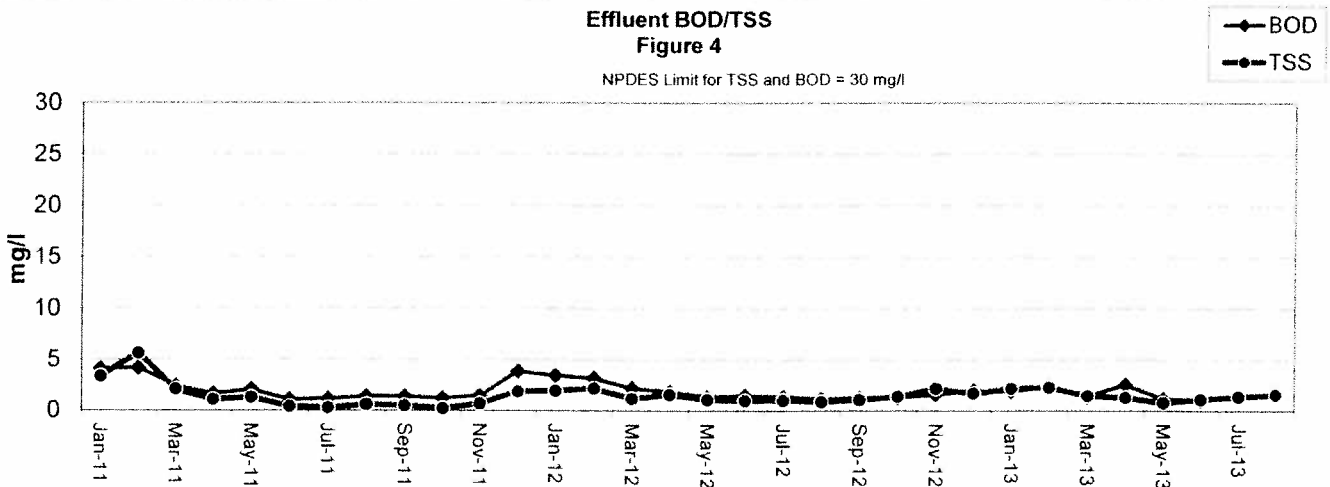


**Monthly Influent Flow
Figure 3B**

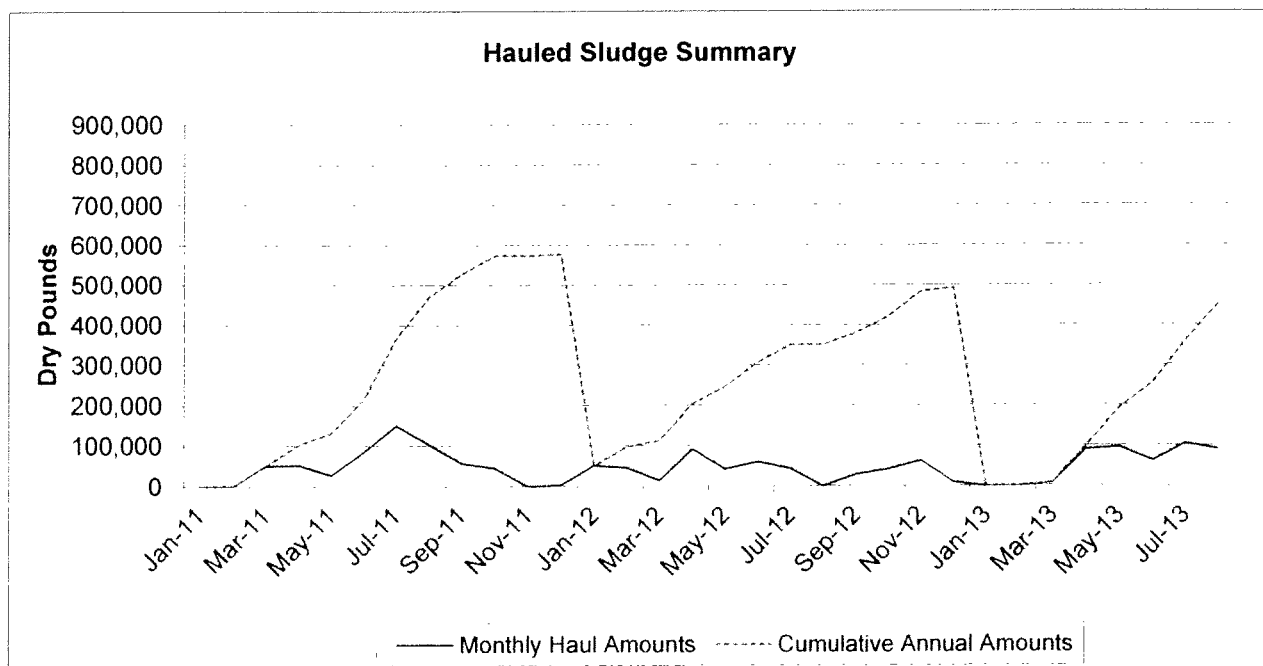
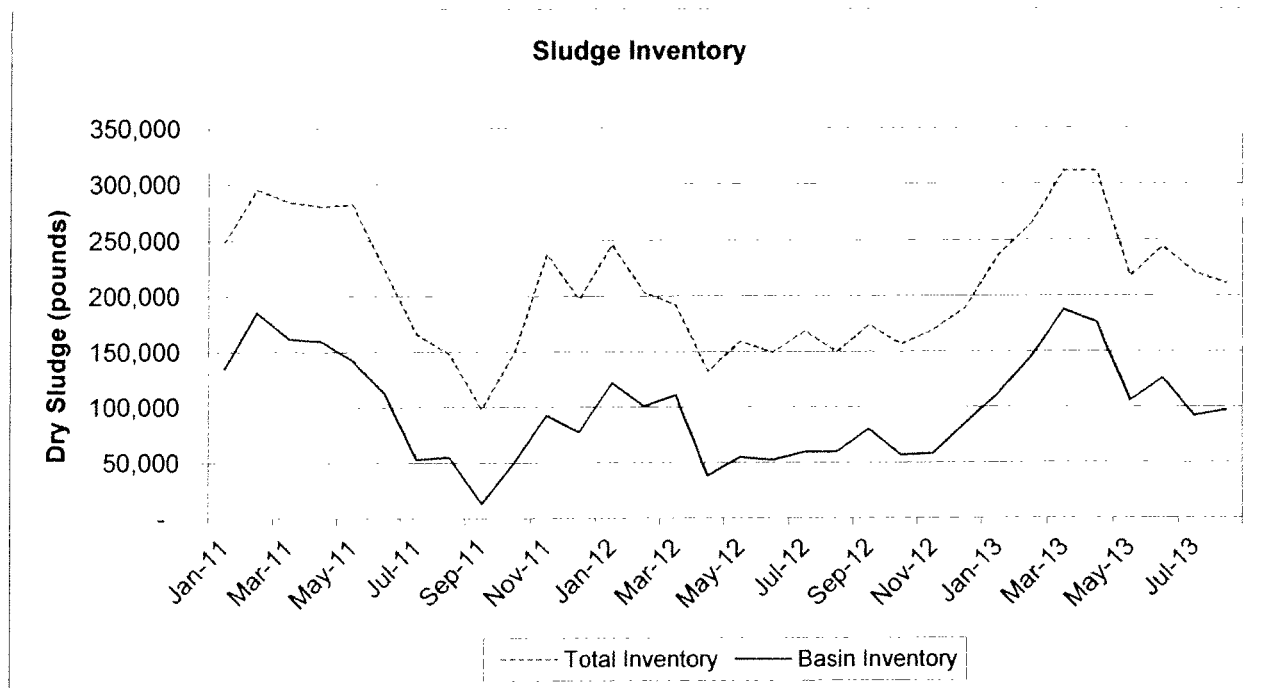


**Effluent BOD/TSS
Figure 4**

NPDES Limit for TSS and BOD = 30 mg/l



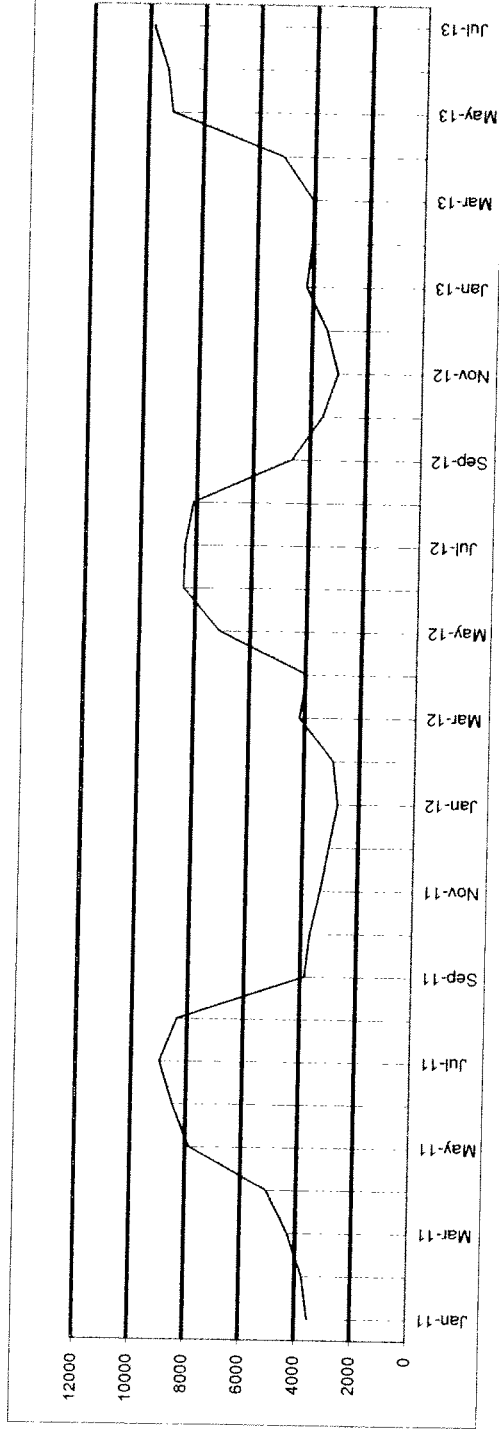
Loads	Gallons	Hauled Sludge		Annual Cumulative # Dry	Basin Depths			Blanket Depths			MLSS Inventory		Blanket and MLSS Inventory		MLSS	Total Dry	Accepted Septage Loads	Gallons			
		# Dry	% Solids		Tank #1	Tank #2	AB #1	AB #2	Basin Gallons	# Dry	Clar #1	Clar #2	Clar #3	MLSS AB #1					MLSS AB #2	Gallons	# Dry
0	-	0	4.5%	-	5.5	2.5	0.0	0.0	360,000	135,108	1.0	2.0	0.0	3,520	3,930	113,495	0.00373	248,603	19	45,000	
0	-	0	4.5%	-	6.0	5.0	0.0	0.0	495,000	185,774	2.5	2.0	0.0	3,580	3,980	109,872	0.00358	285,648	6	15,000	
43	159,100	49,803	3.8%	49,803	7.5	4.0	0.0	0.0	517,500	161,993	1.0	1.0	0.5	4,100	3,940	122,615	0.00402	284,608	25	59,000	
45	166,500	53,692	3.9%	103,495	7.0	4.0	0.0	0.0	495,000	159,625	2.0	3.0	2.0	3,130	4,540	120,761	0.00384	280,385	27	70,000	
24	88,800	28,051	3.8%	131,546	5.5	4.5	0.0	0.0	450,000	142,150	2.0	2.0	2.5	4,960	3,920	139,958	0.00444	282,108	39	101,500	
78	288,600	85,043	3.5%	216,589	3.5	5.0	0.0	0.0	382,500	112,713	3.0	2.0	2.0	3,500	3,560	111,156	0.00353	223,869	36	96,000	
138	510,600	150,712	3.5%	367,301	4.0	0.0	0.0	0.0	180,000	53,130	1.5	2.5	1.0	3,740	3,550	112,917	0.00365	166,047	51	127,500	
91	336,700	103,837	3.7%	471,138	2.0	2.0	0.0	0.0	180,000	55,511	2.0	2.0	1.5	2,840	3,110	92,700	0.00298	148,212	47	118,500	
52	192,400	57,488	3.6%	528,626	0.0	1.0	0.0	0.0	45,000	13,446	2.5	2.5	1.5	2,530	2,900	85,001	0.00272	98,447	68	175,000	
33	122,100	45,361	4.5%	573,987	0.0	3.0	0.0	0.0	135,000	50,153	2.0	2.0	2.5	3,470	2,940	99,524	0.00321	149,678	17	42,500	
0	-	0	4.5%	573,987	3.0	2.5	0.0	0.0	247,500	92,887	2.0	3.0	2.0	4,610	3,775,666	145,165	0.00481	238,051	18	45,500	
5	18,500	3,549	2.3%	577,536	6.0	3.0	0.0	0.0	405,000	77,694	3.0	4.0	0.0	3,850	3,724,334	118,585	0.00385	197,279	15	37,500	
46	170,200	51,317	3.6%	51,317	5.5	3.5	0.0	0.0	405,000	122,112	1.0	1.0	0.0	3,380	3,635,524	102,483	0.00338	203,411	18	43,500	
12	155,400	46,472	3.6%	97,789	4.5	3.0	0.0	0.0	337,500	100,929	1.0	2.0	1.5	2,890	3,736,190	81,016	0.0026	192,201	39	103,500	
86	318,200	90,939	3.4%	203,355	2.0	1.0	0.0	0.0	135,000	38,582	2.0	2.5	2.5	2,870	3,060	93,682	0.00297	132,264	37	86,500	
47	173,900	42,646	2.9%	246,001	3.0	2.0	0.0	0.0	225,000	55,177	2.0	2.0	2.0	3,070	3,590	104,365	0.00333	159,543	26	65,000	
56	207,200	60,513	3.5%	306,514	1.0	3.0	0.0	0.0	180,000	52,569	1.0	3.0	1.0	3,560	3,714,476	96,809	0.00313	149,378	55	138,000	
45	166,500	44,127	3.2%	350,641	5.0	0.0	0.0	0.0	225,000	59,631	2.0	1.5	1.0	3,650	3,410	109,093	0.00353	168,725	36	80,000	
0	-	0	0.0%	350,641	2.5	2.5	0.0	0.0	225,000	59,631	1.0	2.0	1.5	3,440	3,290	90,398	0.00292	150,030	37	91,500	
33	122,100	29,161	2.9%	379,802	4.5	3.0	0.0	0.0	337,500	80,605	2.0	0.0	2.5	3,080	2,910	93,521	0.003	174,126	33	76,500	
40	148,000	41,473	3.4%	421,275	4.5	0.0	0.0	0.0	202,500	56,745	1.5	0.0	1.5	3,160	3,320	99,758	0.00324	156,503	33	76,500	
52	192,400	62,487	3.9%	483,762	2.0	2.0	0.0	0.0	180,000	58,460	0.0	5.0	2.0	3,970	3,090	3,775,666	111,156	0.00353	189,616	32	66,500
9	33,300	9,720	3.5%	493,482	5.0	1.5	0.0	0.0	292,500	85,378	4.0	1.5	0.0	4,030	2,720	3,697,591	104,081	0.00338	189,459	48	120,000
0	-	0	3.5%	-	6.0	2.5	0.0	0.0	382,500	111,652	1.5	2.0	0.0	4,120	4,010	3,662,167	124,155	0.00407	235,807	26	65,000
0	-	0	3.5%	-	6.0	5.0	0.0	0.0	495,000	144,491	1.0	2.0	1.0	4,000	3,740	3,696,714	119,314	0.00387	263,805	56	110,000
8	29,600	8,517	3.5%	8,517	8.0	6.5	0.0	0.0	652,500	187,748	2.0	2.0	2.0	4,030	4,050	3,714,476	123,915	0.004	311,663	21	52,500
74	273,800	89,488	3.9%	98,005	6.0	6.0	0.0	0.0	540,000	176,492	2.5	2.0	2.0	4,620	4,130	3,766,785	135,084	0.0043	311,576	24	60,000
82	303,400	95,228	3.8%	193,233	3.5	4.0	0.0	0.0	337,500	105,931	3.0	5.0	2.0	3,970	3,040	3,828,952	111,767	0.0035	217,698	36	85,500
54	196,800	62,210	3.7%	255,443	6.0	3.0	0.0	0.0	405,000	126,101	1.0	7.0	2.0	3,850	3,540	3,828,952	117,984	0.0037	244,095	47	117,500
97	358,900	105,164	3.5%	360,607	6.0	1.0	0.0	0.0	315,000	92,301	1.5	2.0	1.0	3,950	4,410	3,705,595	129,181	0.00418	221,482	58	137,500
74	273,800	90,969	4.0%	451,576	6.5	0.0	0.0	0.0	292,500	97,182	2.0	2.5	2.0	3,580	3,680	3,766,785	114,036	0.00363	211,218	57	142,500



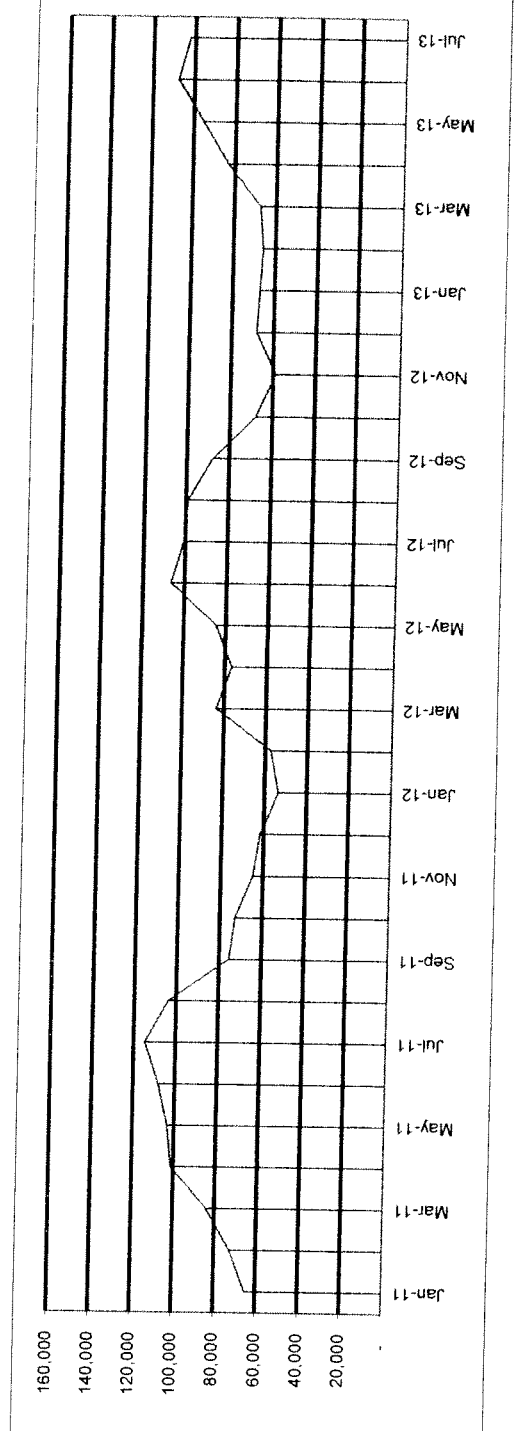
Electric Cost Kilowatts Used

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
Dec-12	3472	68,170
Jan-13	4240	66,990
Feb-13	4069	65,810
Mar-13	4056	67,500
Apr-13	5132	83,390
May-13	9135	95,360
Jun-13	9331	107,780
Jul-13	9861	102,490

Electric Cost



Kilowatts Used





MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
 Discharge Monitoring Report For Municipal Wastewater Treatment Plants

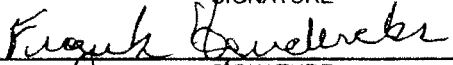
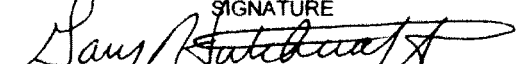
NAME OF FACILITY						LOCATION ADDRESS & CITY							COUNTY/REGION	
Lake of the Ozarks Regional WWTP #1						#3 Anderson Road							Miller/SWRO	
MONTH/YEAR		PERMIT NUMBER				OUTFALL NUMBER		TYPE TREATMENT FACILITY						
Aug-13		MO-0103241				#001		Oxidation Ditch/UV/Sludge Holding-sludge is land applied						
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	7.2			23	1.709	7.9			0.03	5.6		24.2		
2	7.2	255	214	23.1	1.759	7.8	1.2	1.2		5.2		24.3	99.5	99.4
3	7.2			23.6	1.887	7.8				4.3		24.1		
4	7.2			23.7	2.506	7.9				5.2		24.6		
5	7.1			23.7	2.345	7.9				4.8	120	24		
6	7.1			23.6	2.936	7.8				3.8		24.3		
7	7.3			23.4	4.102	7.6				3.3		24.3		
8	7.3			23	2.951	7.4			2.9	4.2		24.4		
9	7.5	155	154	23.3	1.926	7.5	4.0	4.2		4.8		24.1	97.4	97.3
10	7.3			22.9	3.941	7.7				4.9		23.3		
11	7.4			22.2	2.442	7.7				5.9		23.1		
12	7.3			22.9	1.942	7.6				5.5	<20	24.1		
13	7.3			23.2	1.874	7.7				6.2		23.6		
14	7.1			23.8	1.507	7.8				5.9		23.8		
15	7.3			21.9	1.670	7.8			0.05	6.1		22.6		
16	7.2	203	192	22.8	1.551	7.6	0.9	0.4		6.8		22.8	99.6	99.8
17	7.2			22.7	1.576	7.6				6.6		22.4		
18	7.3			22.3	1.888	7.6				5.8		22.5		
19	7.3			22.9	1.750	7.6				6.3	< 20	22.9		
20	7.3			22.6	1.606	7.9				6.2		23.1		
21	7.2			22.8	1.328	7.9				6.3		23.5		
22	7.2			22.8	1.508	7.9			0.07	6.5		23.9		
23	7.2	248	254	23.3	1.512	7.9	1.1	1.2		5.8		24.4	99.6	99.5
24	7.4			23.3	1.584	7.9				6.5		24.3		
25	7.4			23.3	1.732	7.8				6.4		24.2		
26	7.4			23	1.590	8.0				6.2	< 20	24.9		
27	7.4			23.2	1.360	7.9				6.0		24.6		
28	7.2			23	1.249	7.9				6.2		24.4		
29	7.3			24.1	1.444	7.9			0.09	5.2		25.1		
30	7.4	210	200	24.3	1.498	7.8	1.3	0.8		4.8		25.9	99.4	99.6
31	7.3			24.1	1.604	8.0				4.8		25.2		
Total					60.277									
Avg		214	203	23	1.944		1.7	1.6	0.8	5.6	< 20	24.0	99.1	99.1
Min	7.1	155	154	22	1.249	7.4	0.9	0.4	0.1	3.3	< 20	22.4	97.4	97.3
Max	7.5	255	254	24	4.102	8.0	4.0	4.2	2.9	6.8	120.0	25.9	99.6	99.8

MONTHLY EFFLUENT MONITORING		QUARTERLY EFFLUENT MONITORING	
DATE	Oil & Grease mg/L	Selenium µg/L	Zinc µg/L
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14	< 5.0		
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		2.3	4,410	500	23.6	2	4,280	490	23.7	65		7:30
2		1.7	4,630	530	23.8	2	4,010	460	23.8	68		7:30
3		2.0	4,350	480	24	1.7	3,850	410	24	73	0.35	7:30
4		2.0	4,110	450	24.3	1.9	3,920	440	24.4	71	0.5	7:30
5		1.9	3,590	370	23.6	1.9	3,120	310	23.7	71	1	7:30
6		1.6	4,000	440	24.1	1.7	3,360	330	24	72	2.75	7:30
7		0.5	3,470	300	24	0.5	2,930	250	23.9	72	9	7:30
8		1.5	5,060	520	24	1.2	4,340	450	24.1	71		7:30
9		2.2	3,970	400	23.9	3.7	3,530	400	23.8	70		7:30
10		1.0	3,890	370	23.2	1	3,440	320	23.3	67	1.4	7:30
11		4.4	3,410	300	22.9	4.7	3,040	320	23	64		7:30
12		3.4	4,480	430	24	4.9	2,900	280	24	73		7:30
13		2.7	4,110	480	23.6	3.3	2,900	300	23.6	67		7:30
14		2.4	4,250	430	23.4	1.9	3,920	430	23.3	63		7:30
15		3.9	3,940	430	22.1	2.8	4,020	430	22.2	59		7:30
16		3.8	4,300	450	22.2	2.9	4,160	460	22.4	60		7:30
17		4.4	3,930	420	22.1	3.4	3,970	440	22.2	60		7:30
18		2.2	4,720	530	22.2	2.9	3,540	380	22.3	61		7:30
19	9,381	2.6	4,920	590	22.6	2.5	3,530	350	22.6	63		7:30
20	9,628	1.9	5,060	600	22.8	2.4	3,550	380	22.8	64		7:30
21	11,109	2.3	4,090	460	23.3	2.4	3,720	440	23.1	65		7:30
22	11,109	3.0	3,820	400	23.7	2	4,180	440	23.6	69		7:30
23	9,875	2.3	3,760	400	24	1.8	4,180	460	24.1	70		7:30
24		3.4	2,860	290	24.2	3.2	3,540	430	24.2	71		7:30
25		2.9	3,310	380	24	2.2	3,830	550	23.9	67		7:30
26		2.4	4,200	460	24.7	1.9	3,740	430	24.4	69		7:30
27	12,343	3.1	4,270	450	24.4	2.6	3,860	450	24.3	71		7:30
28	10,121	3.1	4,080	440	23.9	3.5	3,560	380	24	68		7:30
29	9,998	1.2	3,610	400	24.8	1.3	3,980	450	24.6	70		7:30
30	7,406	1.4	3,930	400	25.2	1.4	4,130	450	25.1	75		7:30
31		1.9	3,580	350	25.2	1.4	3,680	400	25.1	72		7:30

COMMENTS:

TESTS PERFORMED BY (PRINT)	SIGNATURE	PHONE #	DATE
Frank Hendricks		(573)365-0455	9/4/2013
REPORT APPROVED BY (PRINT)	SIGNATURE	PHONE #	DATE
Gary Hutchcraft		(573)365-0455	9/4/2013

*Required Daily (Monday -Friday)

**Required 1/week

LAKE OZARK/OSAGE BEACH WWTP
Operation Report

DATE: AUGUST 2013
month year

LINE	UNIT	PLANT INLETS										WASTEWATER TREATMENT										PLANT EFFLUENT										RETURN FLOW		WASTE WATER TREATMENT	
		Flow (mgd)	Flow (mgd)	Flow (mgd)	Flow (mgd)	Flow (mgd)	Flow (mgd)	Flow (mgd)	Flow (mgd)	Flow (mgd)	Flow (mgd)	Flow (mgd)	Flow (mgd)	Flow (mgd)	Flow (mgd)	Flow (mgd)	Flow (mgd)	Flow (mgd)	Flow (mgd)	Flow (mgd)	Flow (mgd)	Flow (mgd)	Flow (mgd)	Flow (mgd)	Flow (mgd)	Flow (mgd)	Flow (mgd)	Flow (mgd)	Flow (mgd)	Flow (mgd)	Flow (mgd)	Flow (mgd)	Flow (mgd)	Flow (mgd)	Flow (mgd)
1	JH	0.235	1.326	1.555																															
2	JH	0.238	1.368	1.606	1.75	260	255	624	192	214																									
3	JH	0.297	1.528	1.825																															
4	JH	0.335	1.977	2.352																															
5	JH	0.356	1.774	2.130																															
6	JH	0.408	2.181	2.589																															
7	JH	0.871	2.983	3.814																															
8	JH	0.615	2.052	2.667																															
9	JH	0.294	1.632	1.926	143	148	155	128	152	154																									
10	JH	0.585	3.109	3.694																															
11	JH	0.389	1.782	2.171																															
12	JH	0.295	1.489	1.784																															
13	JH	0.227	1.460	1.687																															
14	JH	0.235	1.185	1.420																															
15	JH	0.221	1.100	1.321																															
16	JH	0.224	1.126	1.350	148	193	203	102	168	192																									
17	JH	0.245	1.229	1.474																															
18	JH	0.299	1.408	1.707																															
19	JH	0.254	1.307	1.561																															
20	JH	0.295	1.183	1.388																															
21	JH	0.195	1.071	1.266																															
22	JH	0.214	1.075	1.287																															
23	JH	0.223	1.131	1.354	190	258	248	196	268	254																									
24	JH	0.260	1.275	1.535																															
25	JH	0.286	1.354	1.640																															
26	JH	0.243	1.178	1.421																															
27	JH	0.198	1.015	1.213																															
28	JH	0.190	0.980	1.170																															
29	JH	0.216	1.066	1.282																															
30	JH	0.218	1.113	1.331	169	238	216	102	196	200																									
31	JH	0.280	1.293	1.573																															
TOTAL		9.351	45.425	55.093	816	1097	1071	632	976	1014	123.1																								
MAX		0.811	3.109	3.814	190	260	255	196	268	254	14.1																								
MIN		0.190	0.980	1.170	143	148	155	102	152	154	9.6																								
AVG		0.302	1.476	1.777	163	219	214	126	195	203	24.6																								

Use following abbreviations R-rain, S-snow, O-overcast, C-clear, PC-partly cloudy

Prepared by: GH, JH, JH Date: 9/4/2013

Approved by: GH

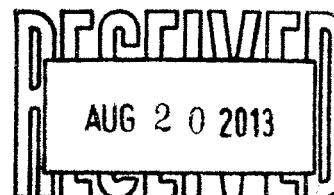
Environmental Analysis South, Inc

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: 122362

Report of Analysis



Reference:

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

Log Number: 1605818 Sample Description: Quarterly Sludge Sample Date: 7/8/2013 Sample Received Date: 7/9/2013

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Fecal Coliform in Sludge	4,320	CFU/g	SM-9222 D-97		07/09/13	102
Total Solids Average	3.35	% w/w	SM-2540 G-97		07/09/13	102

Nutrients

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Phosphorus	25700	mg/Kg	SM-20 4500-P E-99		07/09/13	133

PAN Group

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Ammonia as Nitrogen	8,010	mg/Kg	Lachat-10-107-06-1-K		07/22/13	102
Kjeldahl Nitrogen	39,700	mg/Kg	Lachat-10-107-06-2-K		07/22/13	102
Nitrate as Nitrogen	< 61	mg/Kg	EPA-300.0 Rev. 2		07/09/13	133
Nitrite as Nitrogen	< 61	mg/Kg	EPA-300.0 Rev. 2		07/09/13	133
Organic Nitrogen	31,700	mg/Kg	Lachat-10-107-06-2-K		07/22/13	102
PAN - Subsurface Application	14350	ppm	Calculation		07/30/13	127
PAN - Surface Application	11947	ppm	Calculation		07/30/13	127

Preparation Methods

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Anions IC Sample Preparation	1	Prep	SM-4110B-00		07/09/13	133
Metals ICP Sample Digestion	1	Prep	EPA-200.7 Rev. 4.4	PDC	07/17/13	
Total Metals Flame-AA Digestion	1	Prep	EPA-200.2		07/10/13	133

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Report of Analysis

Log Number: 1605818 Sample Description: Quarterly Sludge Sample Date: 7/8/2013 Sample Received Date: 7/9/2013

Test Description	Result	Units	Method	Comment Code	Analysis Date	Analyst
Total Solids	3.28	% w/w	SM-2540 G-97		07/09/13	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	07/17/13	
Cadmium	< 0.30	mg/Kg	SM-3111 B-99		07/23/13	133
Chromium	21.9	mg/Kg	SM-3111 B-99		07/23/13	133
Copper	456	mg/Kg	SM-3111 B-99		07/23/13	133
Lead by ICP	17	mg/Kg	EPA-200.7 Rev. 4.4	PDC	07/17/13	
Mercury by Cold-Vapor Technique	< 0.10	mg/Kg	SM-3112 B-99		07/12/13	133
Molybdenum by ICP	4.2	mg/Kg	EPA-200.7 Rev. 4.4	PDC	07/17/13	
Nickel	12.8	mg/Kg	SM-3111 B-99		07/23/13	133
Potassium	607	mg/Kg	SM-3111 B-99		08/06/13	133
Selenium by ICP	3.0	mg/Kg	EPA-200.7 Rev. 4.4	PDC	07/17/13	
Zinc	1000	mg/Kg	SM-3111 B-99		07/23/13	133

Respectfully submitted,



David F. Warren

Comments:

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

CHAIN OF CUSTODY RECORD

Sampler's Signature:

Date: 7/8/13 Time: 3:15 ☐ See Table ☒ See Table

Additional Comments:

(Due Date: _____)

Revised June 29, 1999

FECAL COLIFORM IN SLUDGE

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

Log #

1605818

Date:

7/9/2013

Analyst:

102

Total Solid calculation

Sample	Sample Size	Tare Weight	Tare Wt. + Res.	Residue Wt.	Final Result
Replicate	(grams)	(grams)	(grams)	(grams)	(%w/w)
A	28.4194	2.0521	2.9945	0.9424	3.32
B	25.7107	2.2291	3.0843	0.8552	3.33
C	27.1624	2.0546	2.9569	0.9023	3.32
D	25.5918	2.2277	3.0804	0.8527	3.33
E	26.2769	2.2098	3.0653	0.8555	3.26
F	29.7492	2.1390	3.1369	0.9979	3.35
G	31.2552	2.1086	3.2259	1.1173	3.57
				Average Total Solid	3.35

Colony Counts

Date:

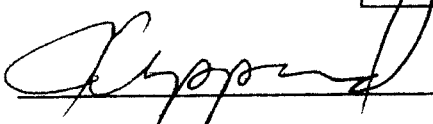
7/9/2013

Analyst:

102

Sample	Wt. Of Sample	Sample Size	Colony Count	Final Count
Replicate	(grams)	(mls - 0.1, 1.0, 10)	used	#/gram (dry)
A	0.4003	1	<1	<7520
B	0.4315	1	<1	<6960
C	0.4064	1	1	7,410
D	0.4305	1	<1	<6980
E	0.4322	1	<1	<7100
F	0.4120	1	<1	<7250
G	0.4365	1	1	6,420
Geometric Average				4,320

Approved by:



Environmental Analysis South, Inc.
Clarification Coagulant Sludges
Sludge Analysis

8/8/2013

Submitted by: Alliance Lake Ozarks					
Log Number: 1605818					
pH					
Coliform					
Parameter	Wet %	Wet ppm	Dry %	Dry ppm	lbs/dry Tons
Moisture			96.72		
Solids			3.28		
Volatile Solids					
Ash					
Nitrogen (TKN)	0.130%	1302.488	3.971%	39710.000	79.420
Nitrate N	0.000%	0.000	0.000%	ND	0.000
Nitrite N	0.000%	0.000	0.000%	ND	0.000
Ammonia N	0.026%	262.728	0.801%	8010.000	16.020
Organic N	0.104%	1039.760	3.170%	31700.000	63.400
PAN Surface Application	0.039%	391.862	1.195%	11947.000	23.894
PAN Subsurface Application	0.047%	470.680	1.435%	14350.000	28.700
Potassium (as K)	0.002%	19.910	0.061%	607.000	1.214
Phosphorus (as P)	0.084%	842.960	2.570%	25700.000	51.400
Arsenic (as As)	ND	ND	ND	ND	ND
Cadmium (as Cd)	ND	ND	ND	ND	ND
Chromium (as Cr)	0.000%	0.718	0.002%	21.900	0.044
Copper (as Cu)	0.001%	14.957	0.046%	456.000	0.912
Molybdenum (as Mo)	0.000%	0.138	0.000%	4.200	0.008
Nickel (as Ni)	0.000%	0.420	0.001%	12.800	0.026
Lead (as Pb)	0.000%	0.558	0.002%	17.000	0.034
Selenium (as Se)	0.000%	0.098	0.000%	3.000	0.006
Zinc (as Zn)	0.003%	32.800	0.100%	1000.000	2.000
Mercury (as Hg)	ND	ND	ND	ND	ND
code ND = none detected					
code NT = not tested					