OSAGE BEACH / LAKE OZARK
JOINT SEWER BOARD MEETING AGENDA
July 19, 2016 @ 4:00 p.m.
LAKE OZARK CITY HALL

1. CALL TO ORDER

2. ROLL CALL

Mayor, Lake Ozark, Johnnie Franzeskos
Mayor, Osage Beach, John Olivarri
City Administrator, Osage Beach, Jeana Woods
City Administrator, Lake Ozark, Dave Van Dee
Alderman, Lake Ozark, Gerry Murawski
Alderman, Osage Beach, Ron Schmitt
Public Works Director, Osage Beach, Nick Edelman
Public Works Director, Lake Ozark, Matt Michalik
Resident Member, Mr. Gary Hamner

	PAGE NUMBERS
3. MINUTES	
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5. OLD BUSINESS: NONE

6. NEW BUSINESS:

A. Review of 2015 Audit prepared by Gerding, Korte & Chitwood CPA's
B. Discussion of raising Formal and Informal Purchasing Amounts
C. Discussion of Plant Pre-Blast Inspection and Seismic Monitoring Program

7. ADDITIONAL DISCUSSION ITEMS

8. ADJOURNMENT

THE NEXT MEETING WILL BE AUGUST 16, 2016, 4:00 PM @ LAKE OZARK CITY HALL

LAKE OZARK-OSAGE BEACH
JOINT SEWER BOARD
Meeting Minutes-June 21, 2016

CALL TO ORDER:
Mayor Johnnie Franzeskos called the meeting to order at 4:00pm on Tuesday, June 21, 2016 at Lake Ozark City Hall.

ROLL CALL:
Mayor, City of Lake Ozark, Johnnie Franzeskos-Present
Mayor, Osage Beach, John Olivarri-Present
City Administrator, Osage Beach-Jenna Woods-Present
City Administrator, City of Lake Ozark-Dave Van Dee-Present
Alderman, Lake Ozark-Gerry Murawski-Present
Alderman, Osage Beach-Ron Schmitt-Present
Public Works Director, Osage Beach, Nick Edelman-Present
Public Works Director, City of Lake Ozark-Matt Michalik-Present
Resident Member, Mr. Gary Hamner-Present

MINUTES:
Gary Hamner made a motion to approve the meeting minutes of May 17, 2016, seconded by Alderman Murawski. Motion passed unanimously.

REPORTS:
Mayor Olivarri made a motion to approve the Bills List, seconded by Matt Michalik, motion passed unanimously.

Karri Bell addressed the Board to discuss the Certificate of Deposit Rates and provided a Comparison Sheet.

Alderman Murawski made a motion to authorize moving up to $125,000 to a Certificate of Deposit at lst Bank Now Account. Seconded by Matt Michalik. Gary Hamner and Ron Schmitt Abstained. Motion passed.

Karri Bell addressed the Board to discuss the Joint Sewer Boards Audit Services, informing the Board this was the last year under our contract. City Administrator Van Dee made a motion to solicit proposals for Audit Services, seconded by City Administrator Jenna Woods. Motion passed unanimously.

Alliance Report of Operations report noted the average daily incoming flow for May was 1.575 mgd. They had 7.0 inches of precipitation measured at the WWTP in May. Operationally, the plant's discharge was excellent, with an effluent monthly average BOD of 2.7 mg/l and TSS of 2.1 mg/1 respectively for May, which represents at 98.7 + % or better removal. The MLSS average for both aeration basins was 3,744 mg/l in May. The total dry weight sludge inventory for May totaled 238,766 pounds. There were 77 tanker loads or 284,900 gallons of bio solids land applied in May. Also received was 40 tanker loads or 100,000 gallons of septage for the month of May.

Three (3) quotes for the purchase of a replacement benchtop HACH pH meter and probed were obtained. One was received from HACH, USA Bluebook and HD Supply Waterworks. Alliance made a recommendation to go with HD Supply due to it being a local business.

Mayor Franzeskos asked for a motion to accept the bid from HD Supply. Matt Michalik made the motion, seconded by Nick Edelman. Motion passed unanimously.

Mayor Franzeskos asked for a motion to accept the Flow Chart presented. Matt Michalik made the motion, seconded by Nick Edelman. Motion passed unanaimouly.

Mayor Franzeskos asked for a motion to go into Closed Session Pursuant to RSMo 610.021(1) Legal. Mayor Olivarri made the motion, seconded by City Administrator Van Dee. Roll Call was taken. Gary Hamner, Matt Michalik, Nick Edelman, Ron Schmitt, Gerry Murawski, Dave Van Dee, Jeana Woods, Mayor Olivarri, Mayor Franzeskos, "Ayes," "Nays," None.

Back in Open Session at approximately 4:18pm

A motion was made during closed session to not Appeal the Court Decision. Mayor Olivarri made the motion, seconded by City Administrator Van Dee. Motion passed unanimously.

ADJOURNMENT: Motion was made by Mayor Olivarri to adjourn at 4:30pm, seconded by Nick Edelman. Motion passed.

Mayor Johnnie Franzeskos

Treasurer Linda Gardner-Goos

JOINT SEWER BOARD
BILL LIST
JULY 19, 2016

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:	$	9,617.62
OPERATING FUND BILLS TO BE PAID:	$	43,479.98
EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:	$	-
EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:	$	-
TOTAL	$	53,097.60

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:

Account	Check	Paid To:	Description:		Amount:
4185	3530	Ameren MO	June Service	$	9,617.62
				$	-
				$	-
			TOTAL	$	9,617.62

OPERATING FUND BILLS TO BE PAID:

Account	Check	Paid To:	Description:		Amount:
4000	3531	Equipment Replacement Fund	Payment into ER Fund	$	3,467.17
4170	3532	Alliance Water Resources, Inc.	Management Fee	$	25,303.24
4160	3533	Alliance Water Resources, Inc.	Hauled Wasted	$	1,500.00
4150	3534	Alliance Water Resources, Inc.	50% Reimb. Vehicle	$	296.16
4020	3535	Alliance Water Resources, Inc.	Main & Repair	$	1,620.32
4220	3536	Zerger & Mauer LLP	Magruder Lawsuit	$	9,193.09
4200	3537	Gerding, Korte & Chitwood	2015 Audit	$	2,100.00
			TOTAL	$	43,479.98

EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:

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

EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:

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

AmerenMissouri.com
1.877.426.3736
PO Box 790352 St. Louis, MO 63179-0352
for correspondence only

FOCUSED ENERGY. For life.

Account Number 4580005832
Customer Name ALLIANCE WATER RESOURCES INC
Service Address 3 ANDERSON RD. -
LAKE OZARK, MO 65049

Current Detail for Statement 07/11/2016	
Total Electric Charges	$9,097.97
Total Amount Due	**$9,097.97**

AMOUNT DUE $9,097.97

Due Date 07/21/2016

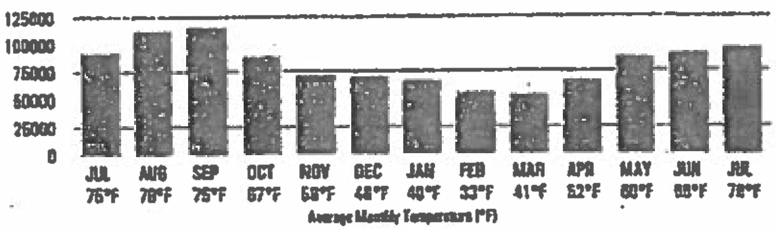
Delinquent After 08/01/2016
Amount After Delinquent Date $9,234.44

Previous Statement $8,381.15
Total Payments -$8,381.15
Payment Received. Thank You.

RECEIVED
JUL 1 1 2016

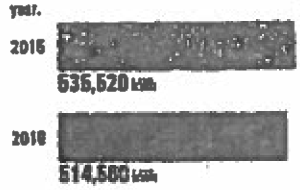
Electric Usage History

Electric Usage in Kilowatt Hours (kWh)



Electric Usage Summary (kWh)

So far this year, you're using **3.9% less** than last year.



Usage from Jan-Jul for 2015 & 2016

13073 00058 2211569 000097 000180 000180032

Thank you for choosing to enroll in paperless billing. Encourage your friends and family to do the same at AmerenMissouri.com/gopaperless.

» See next page for service details.

Keep this portion for your records.

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Ameren MISSOURI

☐ Check if you have address changes on back.

Amount Due	Due Date
$9,097.97	Jul 21, 2016
Amount After Delinquent Date 08/01/2016	Account Number
$9,234.44	4580005832

Amount Enclosed $ ____________________

>000059 2211569 0001 092139 10Z

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

AMEREN MISSOURI
PO BOX 88068
CHICAGO IL 60680-1068

60600000 004580005830 2 000009097970 000009097970

Ameren MISSOURI

- AmerenMissouri.com
- 1.877.426.3736
- PO Box 790352 St. Louis, MO 63179-0352

for correspondence only

FOCUSED ENERGY. *For life.*

Electric Service Details

Service from 06/07/2016 - 07/07/2016 (30 days)

Electric Meter Read

METER NUMBER	SERVICE FROM - TO	NO. DAYS	USAGE TYPE	READING TYPE	CURRENT READING	PREVIOUS READING	READING DIFFERENCE	MULTIPLIER	USAGE
11673321	06/07 - 07/07	30	Total kWh	Actual	35536.0000	34935.0000	601.0000	160.0000	96160.0000
11673321	06/07 - 07/07	30	Peak kW	Actual	1.2960	0.0000	1.2960	160.0000	207.3600

Usage Summary

Total kWh	96160.0000	Peak kW	207.4000
Billing Demand	207.4000	Total Billing Demand	207.4000

Rate 3M Large General Service

DESCRIPTION	USAGE	UNIT		RATE	CHARGE
Demand Charge	207.40	kW	@	$ 4.83000000	$1,001.74
Energy Charge/Hours Used	31,110.00	kWh	@	$ 0.10340000	$3,216.77
Energy Charge/Hours Used	41,480.00	kWh	@	$ 0.07780000	$3,227.14
Energy Charge/Hours Used	23,570.00	kWh	@	$ 0.05230000	$1,232.71
Customer Charge					$92.85
Fuel Adjustment Charge	96,160.00	kWh	@	$-0.00002000	$-1.92
Energy Efficiency Program Charge	96,160.00	kWh	@	$ 0.00080000	$76.93
Energy Efficiency Investment Charge	96,160.00	kWh	@	$ 0.00261800	$251.75
				Total Service Amount	$9,097.97
				Total Electric Charges	**$9,097.97**

Payments Since Previous Statement

DATE RECEIVED	AMOUNT
June 21, 2016	$8,381.15

Address Changes or Corrections

Name ____________________________________

Address ____________________________________

City, State, Zip ____________________________________

Phone Number ____________________________________

AmerenMissouri.com/WaysToPay

- ONLINE E-CHECK
- PHONE 866.268.3729
- IN PERSON FIND A PAY STATION AT AMERENMISSOURI.COM/PAYSTATION
- ONLINE CREDIT CARD
- MAIL STUB & CHECK

Ameren MISSOURI

- AmerenMissouri.com
- 1.877.426.3736
- PO Box 790352 St. Louis, MO 63179-0352
  for correspondence only

FOCUSED ENERGY. For life.

Account Number	5580005920
Customer Name	ALLIANCE WATER RESOURCES INC
Service Address	3 ANDERSON RD LAKE OZARK, MO 65049

AMOUNT DUE $519.65

Due Date 07/21/2016

Delinquent After	08/01/2016
Amount After Delinquent Date	$527.44
Previous Statement	$64.71
Total Payments	$64.71

Payment Received, Thank You

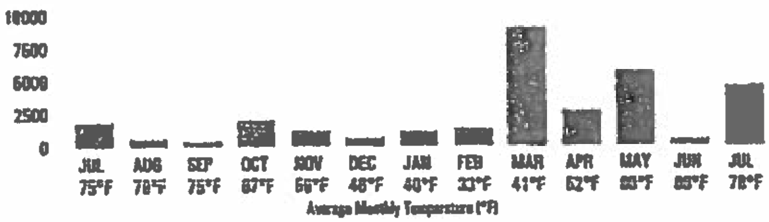
RECEIVED JUL 11 2016

Current Detail for Statement 07/11/2016

Total Electric Charges	$519.65
Total Amount Due	**$519.65**

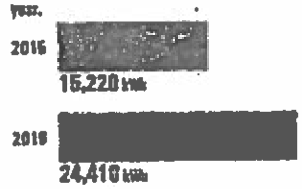
Electric Usage History

Electric Usage in Kilowatt Hours (kWh)



Electric Usage Summary (kWh)

So far this year, you're using **60.4% more** than last year.



Usage from Jan-Jul for 2015 & 2016

15373 00225 2211569 000439 000057 00010002

Thank you for choosing to enroll in paperless billing. Encourage your friends and family to do the same at **AmerenMissouri.com/gopaperless.**

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Amount Due	Due Date
$519.65	JUL 21, 2016
Amount After Delinquent Date 08/01/2016	**Account Number**
$527.44	5580005920

Amount Enclosed $ ______________________

>000225 2211569 0001 092139 10Z

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

AMEREN MISSOURI
PO BOX 88068
CHICAGO IL 60680-1068

30633000 0055800059200 000000519650 000000519650

Ameren MISSOURI

- AmerenMissouri.com
- 1.877.426.3736
- PO Box 790352 St. Louis, MO 63179-0352

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Electric Service Details

Service from 06/07/2018 - 07/07/2018 (30 days)

Electric Meter Read

METER NUMBER	SERVICE FROM - TO	NO. DAYS	USAGE TYPE	READING TYPE	CURRENT READING	PREVIOUS READING	READING DIFFERENCE	MULTIPLIER	USAGE
88041275	06/07 - 07/07	30	Total kWh	Actual	11934.0000	11483.0000	451.0000	10.0000	4510.0000
88041278	06/07 - 07/07	30	Peak kW	Actual	6.2780	0.0000	6.2780	10.0000	62.7800

Usage Summary

Total kWh	4510.0000

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

Threshold - Peak Demand

DESCRIPTION	USAGE	UNIT		RATE	CHARGE
Total Energy Charge	4,510.00	kWh	@	$ 0.10810000	$487.53
Customer Charge					$20.43
Fuel Adjustment Charge	4,510.00	kWh	@	$-0.00002000	$-0.09
Energy Efficiency Program Charge	4,510.00	kWh	@	$ 0.00040000	$1.80
Energy Efficiency Investment Charge	4,510.00	kWh	@	$ 0.00221200	$9.98
				Total Service Amount	$519.65
				Total Electric Charges	**$519.65**

Payments Since Previous Statement

DATE RECEIVED	AMOUNT
June 21, 2018	$64.71

Questions? Contact Ameren Missouri at 1.877.426.3736 or visit AmerenMissouri.com

Address Changes or Corrections

Name ____________________

Address ____________________

City, State, Zip ____________________

Phone Number ____________________

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- PHONE 866.268.3729
- MAIL STUB & CHECK
- IN PERSON FIND A PAY STATION AT AMERENMISSOURI.COM/PAYSTATION

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: 6972

1-Jul-16

SOLD TO:

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:	Jul-16	
	Base Fee		$25,303.24
		TOTAL DUE	$25,303.24

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:	6973
Invoice Date:	1-Jul-16
Customer No:	20220
Terms:	30 days

SOLD TO:

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

REFERENCE	DESCRIPTION	AMOUNT
	Magruder Limestone Co - 50%	$107.31
	Roemer Heavy Equip & Trk - 50%	$116.20
	O'Reilly Automotive - 50%	$179.96
	Jefferson City Oil Co - 100%	$1,002.74
	Menards - 50%	$126.45
	Controlled Heating & Cooling Co - 50%	$56.50
	JCI Industries, Inc. - 50%	$238.18
	HD Supply Waterworks - 50%	$89.14
	TOTAL DUE	$1,916.48

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:	7008
Invoice Date:	30-Jun-16
Customer No:	20220
Terms:	30 days

SOLD TO:

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

REFERENCE	DESCRIPTION		AMOUNT
	Hauled waste payments for the month of	Jun-16	
	30 Hauled Waste Loads @ $50.00 each		$1,500.00
		TOTAL DUE	$1,500.00

MAGRUDER COMPANIES
PAVING · LIMESTONE · ASPHALT

255 Watson Road
Troy, MO 63379
636-528-4180

INVOICE 9680

5/23/2016

Net 30 Days

ALLI007

ALLIANCE WATER RESOURCES INC
P. O BOX 1985

LAKE OZARK, MO 65049

RECEIVED
JUN 07 2016

Ticket	Date	P O	Order	Location	Product	Qty	Material Rate	Material Amount	Freight Rate	Freight Amount	Fee Amount	Tax Amount	Total
2116467	5/20/2016			011	2 X 4 CLEAN	7 31	10.00	73.10	0.00	0.00	0 00	0 00	73 10
2116468	5/20/2016			011	2 X 4 CLEAN	3 51	10 00	35 10	0.00	0.00	0.00	0 00	35 10
2116469	5/20/2016			011	2 X 4 CLEAN	4 12	10.00	41.20	0.00	0.00	0 00	0 00	41 20
2116483	5/20/2016			011	2 X 4 CLEAN	4 01	10 00	40.10	0.00	0.00	0.00	0.00	40 10
2116492	5/20/2016			011	1" Base	4 37	5.75	25 13	0.00	0.00	0 00	0 00	25 13
Subtotal						23 32 Ton		214.63		0 00	0 00	0.00	214 63
Invoice Total						23 32 Ton		214 63		0.00	0.00	0 00	214 63

Total Invoice: 214.63

GL Acct#: 6700-20 107.32 1220-20 107.31
Signature: Gary Hutchings 4020
Date: 6/7/16

ROEMER'S HEAVY EQUIPMENT & TRUCK REPAIR

P.O. Box 191
Osage Beach, Missouri 65065
(573) 348-3733

QTY	PART NO. AND DESCRIPTION	PRICE	
1	VHS1 [illegible]		44 71
2	[illegible]	2 65	5 30
2	[illegible]	45	90
2	[illegible]	15	30
4	3/8 [illegible]	28	1 12

RECEIVED JUN 07 2016

GL Acct#: 6702-20 $120.23 1200-20 $116.20
4150
Signature: [signature]
Date: 6/7/16

(MAY BE CONTINUED ON OTHER SIDE) TOTAL PARTS 52 39

ACCESSORIES

TOTAL ACCESSORIES

NAME Alliance Water Resources
ADDRESS P.O. Box 1185
CITY, STATE, ZIP Lake Ozark, Mo. 65049
HOME PHONE
BUSINESS PHONE
EXT
YEAR, MAKE AND MODEL 95 GMC
SERIAL NUMBER R033049
MOTOR NUMBER
CUSTOMER SERVICE NO.
DATE MAY 25-16
ORDER WRITTEN BY
PROMISED
A.M.
P.M.
ODOMETER IN
LICENSE NUMBER
ODOMETER OUT
TERMS

DESCRIPTION OF WORK	AMOUNT
☐ LUBE ☐ CHANGE OIL ☐ OIL FILTER ☐ TUNE-UP ☐ TRANS. ☐ DIFF.	
Replace Broken Fan - Motor Mount - Bolts, nuts & washers, Remove PTO Shaft and Replace Load Support Bearing. Install PTO Shaft and Check.	

LITERS/GALS. OF GAS @
LITERS/QTS. OF OIL @
kg/LBS OF GREASE @

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

TOTAL LABOR	180 00
TOTAL PARTS	52 39
ACCESSORIES	
GAS, OIL & GREASE	
SUBLET REPAIRS	
EPA/WASTE DISPOSAL	
TAX	4 04
TOTAL	236 43

THANK YOU!

O'Reilly AUTO PARTS
PROFESSIONAL PARTS PEOPLE
Since 1957

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

BILL TO
SHIP TO

INVOICE NUMBER
INVOICE TYPE
INVOICE DATE

COUNTER NO.	SPECIAL INSTRUCTIONS	SHIP VIA	CUSTOMER ORDER NO	TIME OF ORDER	FILLED BY	CHECKED BY

TAX	R C	QTY	LINE	ITEM NUMBER	UNIT MEAS.	CO.	DESCRIPTION	LIST PRICE	NET PRICE	DISC %	CORE PRICE	EXTENDED PRICE
T		2	SSB	31-5T	EA	E	BATTERY	159.81	111.29			
							18 MONTH LIMITED WARRANTY					
N		2		BATTERY FEE	EA		BATTERY FEE	.85	.50			
T		1			EA		FUEL FILTER					
T		1	WIX	33526	EA		FUEL FILTER	28.69	19.99			19.99
		1			EA							
							MANUFACTURER'S DEFECT WARRANTY					
		2			EA							
							MANUFACTURER'S DEFECT WARRANTY					

TOTALS

"We appreciate your business"

CUSTOMER SIGNATURE

SUB TOTAL 282.93
MISC
TAX/FEES
TOTAL

ALL MERCHANDISE RETURNED MUST BE ACCOMPANIED BY THIS INVOICE

Visit Us At: www.oreillyauto.com

RECEIVED
JUN 2016

O'Reilly AUTO PARTS
PROFESSIONAL PARTS PEOPLE
Since 1957

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

BILL TO 156183
SHIP TO

ALLIANCE WATER RESOURCES
93 ANDERSON RD
PO BOX 1995
LAKE OZARK MO 65049-1995

INVOICE NUMBER
INVOICE TYPE CHARGE SALE
INVOICE DATE

COUNTER NO.	SPECIAL INSTRUCTIONS	SHIP VIA	CUSTOMER ORDER NO	TIME OF ORDER	FILLED BY	CHECKED BY

TAX	R C	QTY	LINE	ITEM NUMBER	UNIT MEAS.	CO.	DESCRIPTION	LIST PRICE	NET PRICE	DISC %	CORE PRICE	EXTENDED PRICE
		1	WIX		EA							

Call 866-838-4351 for Super Start National Warranty Information

TOTALS

"We appreciate your business"

CUSTOMER SIGNATURE

SUB-TOTAL 359.92
MISC.
TAX/FEES
TOTAL

ALL MERCHANDISE RETURNED MUST BE ACCOMPANIED BY THIS INVOICE

Visit Us At: www.oreillyauto.com

GL Acct#: 6702-20 $207.86 1220-20 $179.96

Signature:

Date: 6/7/16

"QUALITY LUBRICANTS FROM"

JEFFERSON CITY OIL CO., INC.

Conoco Shell Mobil

1601 CHRISTY DR. P.O. BOX 576, JEFFERSON CITY MO 65102
PHONE (573) 634 2025 FAX (573) 634 5246

CUSTOMER ACCT # | PHONE | DATE

NAME

ADDRESS

CITY STATE

DELIVERED TO | TERMS

CASH	CHECK#	C.O.D.	CHARGE	ON ACCT	MDSE RETD	PAID OUT	CUSTOMER ORDER NO. (PO #)
			X				

GALLONS/POUNDS	COUNT	PKG SIZE	PRODUCT	PRICE	AMOUNT

DRUM DEPOSIT

NO.	TYPE	SIZE	PRICE	AMOUNT
1				

DRUM RETURN FOR DEPOSIT

1				

SUB TOTAL

SALES TAX

DRUM DEPOSIT

DRUM RETURNS

TOTAL

CUSTOMER SIGN HERE

SALESMAN SIGN HERE

On approved credit purchases, unless otherwise noted on this invoice, payment is due by the 10th of the month following first statement billing. Any future unpaid balance on this invoice is then subject to a FINANCE CHARGE of a monthly periodic rate of 1.5% (annual rate 18%).

RECEIVED JUN 10 2016

LONE VENDOR

100%

GL Acct#: 1220-20 $1,002.74

Signature: [signature]

Date: 6/10/16

Use Your BIG CARD 2% REBATE

MENARDS

MENARDS - LAKE OZARK
1015 Barred Owl Lane
Lake Ozark, MO 65049

KEEP YOUR RECEIPT
RETURN POLICY VARIES BY PRODUCT TYPE

Unless noted below allowable returns for items on this receipt will be in the form of an in store credit voucher if the return is done after 09/20/16

If you have questions regarding the charges on your receipt, please email us at:
OZRK[illegible]@menards.com

RECEIVED
2016

Sale Transaction

ROUNDUP SUPER LONG 32OZ	LI
2538483 4 @43.49	173.96
2 1/2" HOOK & EYE ZIN	
2254391	0.99
6 FAUCET EXT W/SHUT OFF	
2741190	9.99
POLY 2GAL POLY SPRAYER	
5619234	14.95
TWS CLR MLTISURF WATERPR	
5530999	53.00

TOTAL	252.89
TAX LAKE OZARK MO 7.975%	20.17
TOTAL SALE	273.06
Menard Commercial Card 3423	273.06
074895	
Swiped	
PO # gary	

TOTAL NUMBER OF ITEMS = 8

THE FOLLOWING REBATE RECEIPTS WERE PRINTED FOR THIS TRANSACTION:
5086

GUEST COPY

GL Acct#: 6700-20 $146.61 1220-20 $126.45

Signature: Gary R Hutchcraft

Date: 6/22/16

883 E. HIGHWAY 42
SUITE A
OSAGE BEACH, MO 65065
573-348-1535

Date	Invoice
6/17/2016	7161

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

Celebrating 3? Years
19?3 - 201?

RECEIVED
J... - 0 2016

P.O. No.	Terms	Project
	Due on receipt	

Description	Qty	Rate	Amount
Labor/hour	1	98.00	98.00
CAN COIL CLEANER	1	15.00	15.00T
CLEAN WINDOW AIR CONDITIONER			
Sales Tax		7.475%	1.12

UV AC

GL Acct#: 6705-20 $57.62 1220-20 $56.50
Signature: [signature]
Date: 6/20/16

Thank you for your business.	Total	$114.12

INVOICE

Remit To:

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

INVOICE
8124178

Invoice Date	Page
06 14 2016	1 of 1

ORDER NUMBER
1109776

Branch 06 JEFFERSON CITY

Bill To:
ALLIANCE WATER RESOURCES - LAKE OZARI
PO BOX 1985
LAKE OZARK, MO 65049

Ship To:
ALLIANCL WATER RESOURCES
LAKE OZARK
#3 ANDERSON ROAD
LAKE OZARK, MO 65049

RECEIVED
) 2016

Customer ID: 400030

PO Number	Term Description	Net Due Date
GARY HUTCHCRAFT 6-1-16	Net 30	7/14/2016

Order Date	Pick Ticket No	Primary Salesrep Name	Order Taker
6 1 2016 10:00:05	3117530	Ben Reinkemeyer Jl	HHASKELL

Quantities: Ordered	Shipped	Remaining	UOM Unit Size	Disp	Item ID / Item Description	Pricing UOM / Unit Size	Unit Price	Extended Price
1.00	1.00	0.00	EA 1.0		CE88 3-4HP 1750RPM 56 230 460V 3PH	EA 1.0000	460.00	460.00

Total Lines 1
Total Freight In 16 36 Total Freight Out 0 00

SUB-TOTAL:	460.00
TOTAL FREIGHT:	16.36
TAX:	0.00
AMOUNT DUE:	476.36

MOTOR FOR CLARIFIER #2

Carrier: UPS Tracking #:

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

GL Acct#: 6705-20 $238.18 1220-20 $238.18
Signature: Gary Hutchcraft
Date: 6/20/16

ORIGINAL

HDSUPPLY
WATERWORKS

INVOICE

1830 Craig Park Court
St. Louis, MO 63146

Invoice #	F672716
Invoice Date	6/20/16
Account #	116902
Sales Rep	STEVEN BURKE
Phone #	573-348-1273
Branch # 138	Osage Beach, MO
Total Amount Due	$191.61

Remit To:
HD SUPPLY WATERWORKS, LTD.
PO BOX 28330
ST LOUIS, MO 63146

976 1 MB 0 419 E0D18X I0025 D1773291778 S2 P3335377 0001:0001

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

Shipped to:

CUSTOMER PICK-UP -

RECEIVED 2016

Thank you for the opportunity to serve you! We appreciate your prompt payment.

Date Ordered	Date Shipped	Customer PO #	Job Name	Job #	Bill of Lading	Shipped Via	Invoice #
6/14/16	6/17/16	STOCK	STOCK			YOUR TRUCK	F672716

Product Code	Description	Quantity Ordered	Quantity Shipped	B/O	Price	UM	Extended Price
/80014468268	#71476 COREPRO SR. ADDITIONAL OR REPLACEMENT 5' MID SECTION	4	4		44.57000	EA	178 28

GL Acct#: 6705-20 $102.47 1220-20 $89.14
Signature:
Date: 6/27/16

Freight	Delivery	Handling	Restock	Misc.		
					Subtotal:	178.28
					Other:	0.00
					Tax:	13.33
					Invoice Total:	$191.61

Terms: NET 30 Ordered By: GARY

0001.0001

ZERGER & MAUER LLP
1100 Main Street
Suite 2100
Kansas City, MO 64105 816.759.3300 Federal ID No. 27-1426971

INVOICE

PRIVILEGED & CONFIDENTIAL

City of Osage Beach
c/o Ed Rucker, Esq.
1000 City Parkway
Osage Beach, MO 65065

Account No.	1014.0002	Invoice Date:	04/29/2016
RE: Magruder		Invoice No.	430
		Page No.	1

Expenses

03/02/2016	Postage	0.98
	Total Expenses	0.98

Advances

03/01/2016	Outside professional fee - Complete Legal Services - Copies of reply brief.	38.82
	Total Advances	38.82
	Total Current Work	39.80
	Previous Balance	$9,088.95
	Balance Due	$9,128.75

ZERGER & MAUER LLP
1100 Main Street
Suite 2100
Kansas City, MO [illegible]   816/759 [illegible]   Federal ID No. [illegible]

INVOICE

PRIVILEGED & CONFIDENTIAL

City of Osage Beach
c/o Ed Rucker, Esq.
1000 City Parkway
Osage Beach, MO 65065

Invoice Date: 06/24/2016

Previous Balance	Fees	Expenses	Advances	Payments	
1014-0002 Magruder 9,128.75	0.00	0.00	64.34	0.00	$9,193.09

ZERGER & MAUER LLP
1100 Main Street
Suite 2100
Kansas City, MO 64106 816.759.[illegible] Federal ID No. [illegible]

INVOICE

PRIVILEGED & CONFIDENTIAL

City of Osage Beach
c/o Ed Rucker, Esq.
1000 City Parkway
Osage Beach, MO 65065

Account No.	1014.0002	Invoice Date:	06/24/2016
RE: Magruder		Invoice No.	15120
		Page No.	1

Advances

05/31/2016	Online legal research	64.34
	Total Advances	64.34
	Total Current Work	64.34
	Previous Balance	$9,128.75
	Balance Due	$9,193.09

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

24495

GK&C

GERDING, KORTE & CHITWOOD

Professional Corporation • Certified Public Accountants
723 Main Street
Boonville, Missouri 65233
660 882-7000 FAX 660-882-7765

06/15/16

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

We accept Mastercard, Visa & Discover

FOR PROFESSIONAL SERVICES:

AUDIT OF FINANCIAL STATEMENTS FOR THE YEAR
ENDED DECEMBER 31, 2015.

TOTAL DUE $ 2,100.00

C 24495

ACCOUNTS UNPAID AFTER 30 DAYS WILL BE SUBJECT TO A FINANCE CHARGE OF 1½% PER MONTH.

MONTH-TO-DATE AND YEAR-TO-DATE
REVENUE/BUDGET ANALYSIS
6/30/2016

Account Number	Account Name	2014 Actual	2015 Actual	2016 Budget	2016 Actual as of 6/30/2016	2016 June Revenue	Percent YTD
3020	Osage Beach	464,343.06	477,172.03	473,000.00	236,677.34	39,881.74	50%
3010	Lake Ozark	85,716.93	72,827.98	77,000.00	38,322.66	5,951.60	50%
3100	Interest	31.18	54.79	45.00	37.08	5.88	82%
3060	Waste Haulers' Fee	34,340.00	32,400.00	35,000.00	14,800.00	3,000.00	42%
	Total Operating Fund	584,431.17	582,454.80	585,045.00	289,837.08	48,839.22	50%
	E/R Fund Income	1,025.06	2,188.83	1,000.00	925.09	47.80	93%
	TOTAL INCOME	585,456.23	584,643.63	586,045.00	290,762.17	48,887.02	50%

MONTH-TO-DATE AND YEAR-TO-DATE
EXPENDITURE/BUDGET ANALYSIS
6/30/2016

Account Number	Account Name	2014 Actual	2015 Acutal	2016 Budget	2016 Actual as of 6/30/2016	2016 June Expenses	Percent YTD
4000	Equipment Replace Fund	41,606.04	41,606.04	41,606.04	20,803.02	3,467.17	50%
4010	ERF Repayment	0.00	0.00	0.00	0.00	0.00	
4020	*Maintenance & Repair	58,873.44	33,878.90	114,500.00	10,783.30	0.00	9%
4140	Insurance	16,502.00	16,306.00	17,000.00	16,977.00	0.00	100%
4150	***Vehicle Repair/Maint	9,186.16	1,508.78	8,000.00	159.24	57.60	2%
4160	Haulers Fees to Contractor	8,000.00	8,000.00	8,000.00	5,900.00	2,000.00	74%
4170	Contract Management	288,445.08	296,233.08	305,120.00	151,819.44	25,303.24	50%
4185	Electric	70,366.40	76,751.19	77,000.00	29,126.02	8,445.86	38%
4190	Bank Charges	0.00	0.00	0.00	14.85	14.85	0%
4200	Audit	1,900.00	2,000.00	2,100.00	0.00	0.00	0%
4220	Professional Service	43,038.41	2,369.99	15,000.00	0.00	0.00	0%
4240	Capital Purchases	0.00	0.00	82,000.00	0.00	0.00	0%
	Totals	537,917.53	478,653.98	670,326.04	235,582.87	39,288.72	49%
	**E/R Expenses	9,429.93	1,869.72	25,500.00	1,830.00	0.00	7%
	TOTAL EXPENSES	547,347.46	480,523.70	695,826.04	237,412.87	39,288.72	34%

****Equipment & Replacement**	
Normal E/R	10,000.00
Replace impellers for RAS pumps	8,500.00
Rebuild Arm Support Clarifier #2	5,000.00
Replace doors	2,000.00 X
	25,500.00

*****Vehicle Repair/Maint**	
Vehicle Maintenance	3,000.00
Tires for Sludge Truck	5,000.00
	8,000.00

***Maintenance & Repair**	
Auto Dialer Yrly Software Fee	500.00
To be determined.	5,000.00
Normal Maintenance	8,000.00
UV Spare Parts	8,000.00 X
Rock for Road	2,000.00
Strip and refinish tile in Admin Bldg	1,000.00
#1 Aeration Basin grit removal	90,000.00
	114,500.00

OPERATING FUND INCOME AND EXPENSE SUMMARY
6/30/2016

Beginning Balance	223,904.99
Income - Osage Beach	39,881.74
Income - Lake Ozark	5,951.60
Income - Other	0.00
Income - Waste Haulers' Fees	3,000.00
Interest - Checking	5.88
Income - CD Interest	0.00
Transfers From E/R Fund	0.00
Transfers to E/R fund	-3,467.17
Expenses	-35,821.55
Ending Fund Balance	**233,455.49**
NOW Account - Central Bank	183,455.49
CD St. Elizabeth, 3/17 #400886	50,000.00
Outstanding Checks:	0.00
Deposit in Transit:	0.00
	233,455.49

EQUIPMENT REPLACEMENT FUND INCOME AND EXPENSE SUMMARY
6/30/2016

Beginning Balance	466,564.21
Interest - Checking	47.80
Income - CD Interest	603.16
Transfers From E/R Fund	0.00
Transfers to E/R Fund	3,467.17
Income - Miscellaneous	0.00
Expenses	0.00
Ending Fund Balance	**470,682.34**
NOW Account - First Bank	119,011.80
CD Providence Bank, 10/16 #1268880	200,958.31
CD First Bank of the Lake, 01/17 #101318429	100,712.23
CD St. Elizabeth, 3/17 #485431	50,000.00
Deposit in Transit	0.00
Outstanding Checks:	0.00
	470,682.34

Operating Fund

CHECK REGISTER - JOINT SEWER BOARD OPERATION FUND

	reconciled balance 3/31/16				172,753.85
3510	Naught Naught	X	16,977.00		155,776.85
3511	Ameren MO	X	4,195.25	-	151,581.60
3512	Equipment Replacement Fund	X	3,467.17		148,114.43
3513	Alliance Water Resources, Inc.	X	25,303.24		122,811.19
3514	Alliance Water Resources, Inc.	X	2,200.00		120,611.19
3515	Alliance Water Resources, Inc.	X	413.91		120,197.28
	Bank Charge	X	3.00		120,194.28
	Deposit LO	X	-	6,427.72	126,622.00
	Deposit OB	X		39,405.61	166,027.61
	Deposit	X		600.00	166,627.61
	Interest	X		5.18	166,632.79
	reconciled balance 4/30/16				166,632.79
3516	Ameren MO	X	5,235.48	-	161,397.31
3517	Equipment Replacement Fund	X	3,467.17		157,930.14
3518	Alliance Water Resources, Inc.	X	25,303.24		132,626.90
3519	Alliance Water Resources, Inc.	X	300.00		132,326.90
3520	Alliance Water Resources, Inc.	X	1,031.57		131,295.33
3521	UV Doctor Lamps LLC	X	1,560.18		129,735.15
3522	Xylem Water Solutions, Inc.	X	1,067.42		128,667.73
3523	John Henry Foster	X	4,605.00		124,062.73
	Bank Charge	X	-	3.00	124,065.73
	Deposit LO	X	-	5,897.73	129,963.46
	Deposit OB	X		39,935.60	169,899.06
	Deposit	X		4,000.00	173,899.06
	Interest	X		5.93	173,904.99
	reconciled balance 5/31/16				173,904.99
3524	Ameren MO	X	8,445.86	-	165,459.13
3525	Equipment Replacement Fund	X	3,467.17		161,991.96
3526	Alliance Water Resources, Inc.	X	25,303.24		136,688.72
3527	Alliance Water Resources, Inc.	X	2,000.00		134,688.72
3528	Alliance Water Resources, Inc.	X	57.60		134,631.12
	Deposit Slips	X	14.85	-	134,616.27
	Deposit LO	X	-	5,951.60	140,567.87
	Deposit OB	X		39,881.74	180,449.61
	Deposit	X		3,000.00	183,449.61
	Interest	X		5.88	183,455.49
	reconciled balance 6/30/16				183,455.49

OSB01 1001 011 OSB001

Central Bank
of Lake of the Ozarks
P.O. Box 1500, Jefferson City, MO 65102
(573) 348-2761

RETURN SERVICE REQUESTED

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

Period	Page
06/01/2016 - 06/30/2016	1 of 3

Web Address
www.centralbank.net

M
000

Your Financial Summary on June 30, 2016

	Bank Deposits	Totals
Bank Deposit Accounts:		
Checking	$ 183,455.49	
Bank Deposit Total		$ 183,455.49
Total Assets:	$ 183,455.49	$ 183,455.49

Detailed Explanation of Account Balances and Other Assets

Basic Plus Interest Checking

No. 000007297 Beginning Balance May 31, 2016 $ 174,972.41

Deposits

June 21	Deposit	5,951.60
June 21	Deposit	39,881.74
June 22	Deposit	3,000.00
June 30	Interest Earned	5.88
	Total +$	48,839.22

Checks

Check No.	Date Paid	Amount	Check No.	Date Paid	Amount
3522	June 01	1,067.42	3526	June 23	25,303.24
3524	June 22	8,445.86	3527	June 23	2,000.00
3525	June 23	3,467.17	3528	June 23	57.60

Total -$ 40,341.29

Withdrawals and other charges

Date	Type	Transaction Description	Amount
June 01	HARLAND CLARKE CHK ORDERS		14.85
		Total -$	14.85

Ending Balance June 30, 2016 $ 183,455.49

CHECK REGISTER - JOINT SEWER BOARD EQUIPMENT REPLACEMENT FUND

	reconciled balance 2/29/16				**154,945.23**
	Interest	X		57.10	155,002.33
1014	G&L Welding	X	1,171.98		153,830.35
	TRANS FROM BOLO	X		1,171.98	155,002.33
	Deposit	X		3,467.17	158,469.50
1015	Bank of St. Elizabeth	X	50,000.00		108,469.50
	reconciled balance 3/31/16				**108,469.50**
	Interest	X		43.33	108,512.83
	Deposit	X		3,467.17	111,980.00
	reconciled balance 4/30/16				**111,980.00**
	Interest	X		49.66	112,029.66
	Deposit	X		3,467.17	115,496.83
	reconciled balance 5/31/16				**115,496.83**
	Interest	X		47.80	115,544.63
	Deposit	X		3,467.17	119,011.80
	reconciled balance 6/30/16				**119,011.80**

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

536 00010 01
ACCOUNT: 1'
DOCUMENTS: 1

06/30/2016

60

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

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BUSINESS MONEY MARKET ACCOUNT 'USINESS MONEY MARKET)

LAST STATEMENT 05/31/16	115,496.83
2 CREDITS	3,514.97
DEBITS	.00
THIS STATEMENT 06/30/16	119,011.80

- - - - - - - - - - DEPOSITS - - - - - - - - - -

REF #	DATE	AMOUNT	REF #	DATE	AMOUNT	REF #	DATE	AMOUNT
	06/22	3,467.17						

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

DESCRIPTION	DATE	AMOUNT
INTEREST	06/30	47.80

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

AVERAGE LEDGER BALANCE:	116,536.98	INTEREST EARNED:	47.80
AVERAGE AVAILABLE BALANCE:	116,305.83	DAYS IN PERIOD:	30
INTEREST PAID THIS PERIOD:	47.80	ANNUAL PERCENTAGE YIELD EARNED:	.50%
INTEREST PAID 2016:	321.93		

* * * C O N T I N U E D * * *

WATER RESOURCES®
Alliance
Professional Water and Wastewater Operations

OPERATING DIVISIONS

MISSOURI

Atchison County
Bonne Terre
Boonville
Bowling Green
Buchanan County #1
Cameron
Cape Girardeau
Carroll County #1
Craig
East Central Missouri Water & Sewer Authority
Elsberry
Fayette
Franklin County #1
Franklin County #3
Henry County Water Company
Henry County #3
Lake Ozark/ Osage Beach
Lincoln County #1
Neosho
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 June 2016

Submitted by Alliance Water Resources, Inc. for the

July 2016

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

	BOD mg/l	TSS mg/l	pH	E.coli Coliform Colonies/100 ml	Ammonia as N mg/L	O&G mg/L	Metals Selenium ug/L
Monthly Average	1.4	1.4	NA	< 20	0.07	<5.0	0
Peak Day	1.6	2.1	8.0	< 20	0.08	<5.0	0
Percent Removal	99.3	99.4	NA	NA	NA	NA	NA

NPDES EFFLUENT LIMITATIONS

	BOD mg/l	TSS mg/l	pH	E.coli Coliform Colonies/100 ml	Ammonia as N mg/L	O&G mg/L	Metals Selenium ug/ L
Monthly Average	30	30	6-9	126	1.2	10	4.0
Weekly Average	45	45		630			
Daily Max					5.6	15	8.1

PLANT HYDRAULIC AND ORGANIC LOADING

The average daily influent flow for the month was 1.705 MGD or 57% of Permitted flow with Lake Ozark contributing 13% of the total flow and Osage Beach contributing 87%. 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 83069 pounds of BOD.

BIOSOLIDS APPLICATION AND INVENTORY

Plant personnel land applied 99 tanker loads of bio-solids during the month equivalent to a total of 366,300 gallons and 111,706 pounds dry weight solids.

306,543 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 307,500 gallons with a level of 6.0 feet in Tank 1 and 0.0 feet in Tank 2.

WASTEHAULERS

The plant received 30 loads of septage during the month totaling 75,000 gallons.

WWTP OPERATIONS

- Decanting digesters and wasting weekly.
- Normal operations.

WWTP MAINTENANCE AND REPAIR

- Performed routine maintenance throughout the month as per Antero Maintenance Data Management schedule. (New version of Operator 10 Software)
- The high pressure pop off valve and the speedometer on the big sludge truck quit working on the 3rd of June, so we took it to Roemer's to have it repaired.
- The drive motor on Clarifier #2 quit on us on the 7th of June, so we replaced it with the one that we had previously ordered that same day and got us back going. While replacing the motor we noticed that the gear box would need to be replaced soon due to the gear splines on the end of the shaft where the motor connects were almost gone. We thought that we could get by until the next board meeting but it started making some really odd noises so I emailed both Cities Administrators and PWD's concerning this and was told to go ahead with the purchase. We ordered the replacement gear drive on the 29th of June with an estimated delivery of the 14th of July.
- The PTO shaft gear box seal on the sludge truck started leaking on 17th of June so we took it up to Roemer's to have it replaced. We got it back on the 29th and spread 4 loads and one of the u-joints fell apart so we had to take it back and have it fixed that same day. We finally got it back on the 6th of July.

SAFETY

- We conducted our monthly routine Safety Meeting on Work Area Protection on the 16th of June.

REGULATORY AGENCY, INSPECTION AND REPORTS

- We filled out the EDMR on MDNR's website on the 6th of July.

MISCELLANEOUS AND RECOMMENDATIONS

- We have solicited 6 bids for two replacement impellers for the RAS pumps. Vandevanter Engineering, Haynes Equipment, Evans Enterprises, DXP Supercenter, Progress Environmental and JCI Industries. (See attached bid sheet)
- After Junes Joint Sewer Board meeting we did some searching and found an old quote from White Industrial Seismology Inc. for a pre-blast plant condition inspection and possibly setting up a Seismic Monitoring Program. (see attached email & quote for scope of services)

TABLE A
LAKE OZARK/OSAGE BEACH WWTP

MONTH OF June 2016

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-Jun	0	0.200	1.368	1.568	12.8	87.2						
2-Jun	0	0.192	1.264	1.456	13.2	86.8						
3-Jun	0	0.205	1.386	1.591	12.9	87.1	255	210	208	194	166	196
4-Jun	**0.3**	**0.240**	**1.448**	**1.688**	**14.2**	**85.8**						
5-Jun	**0**	**0.263**	**1.492**	**1.755**	**15.0**	**85.0**						
6-Jun	0	0.234	1.408	1.642	14.3	85.7						
7-Jun	0	0.166	1.357	1.523	10.9	89.1						
8-Jun	0	0.152	1.222	1.374	11.1	88.9						
9-Jun	0	0.185	1.243	1.428	13.0	87.0						
10-Jun	0	0.184	1.395	1.579	11.7	88.3	295	188	183	268	180	200
11-Jun	**0**	**0.220**	**1.557**	**1.777**	**12.4**	**87.6**						
12-Jun	**0**	**0.252**	**1.668**	**1.920**	**13.1**	**86.9**						
13-Jun	0	0.238	1.579	1.817	13.1	86.9						
14-Jun	0.1	0.204	1.460	1.664	12.3	87.7						
15-Jun	0	0.194	1.400	1.594	12.2	87.8						
16-Jun	0	0.201	1.382	1.583	12.7	87.3						
17-Jun	0	0.210	1.446	1.656	12.7	87.3	313	243	200	268	246	254
18-Jun	**0**	**0.236**	**1.597**	**1.833**	**12.9**	**87.1**						
19-Jun	**0**	**0.264**	**1.712**	**1.976**	**13.4**	**86.6**						
20-Jun	0	0.236	1.588	1.824	12.9	87.1						
21-Jun	0	0.216	1.388	1.604	13.5	86.5						
22-Jun	0	0.204	1.399	1.603	12.7	87.3						
23-Jun	0	0.209	1.506	1.715	12.2	87.8						
24-Jun	0	0.214	1.568	1.782	12.0	88.0	228	158	188	178	156	236
25-Jun	**0**	**0.263**	**1.835**	**2.098**	**12.5**	**87.5**						
26-Jun	**0**	**0.218**	**1.783**	**2.001**	**10.9**	**89.1**						
27-Jun	0.75	0.340	1.680	2.020	16.8	83.2						
28-Jun	0	0.212	1.483	1.695	12.5	87.5						
29-Jun	0	0.195	1.473	1.668	11.7	88.3						
30-Jun	0	0.198	1.512	1.710	11.6	88.4						
SUM	1.2	6.545	44.599	51.144								
AVG		0.218	1.487	1.705	13	87	273	200	195	227	187	222

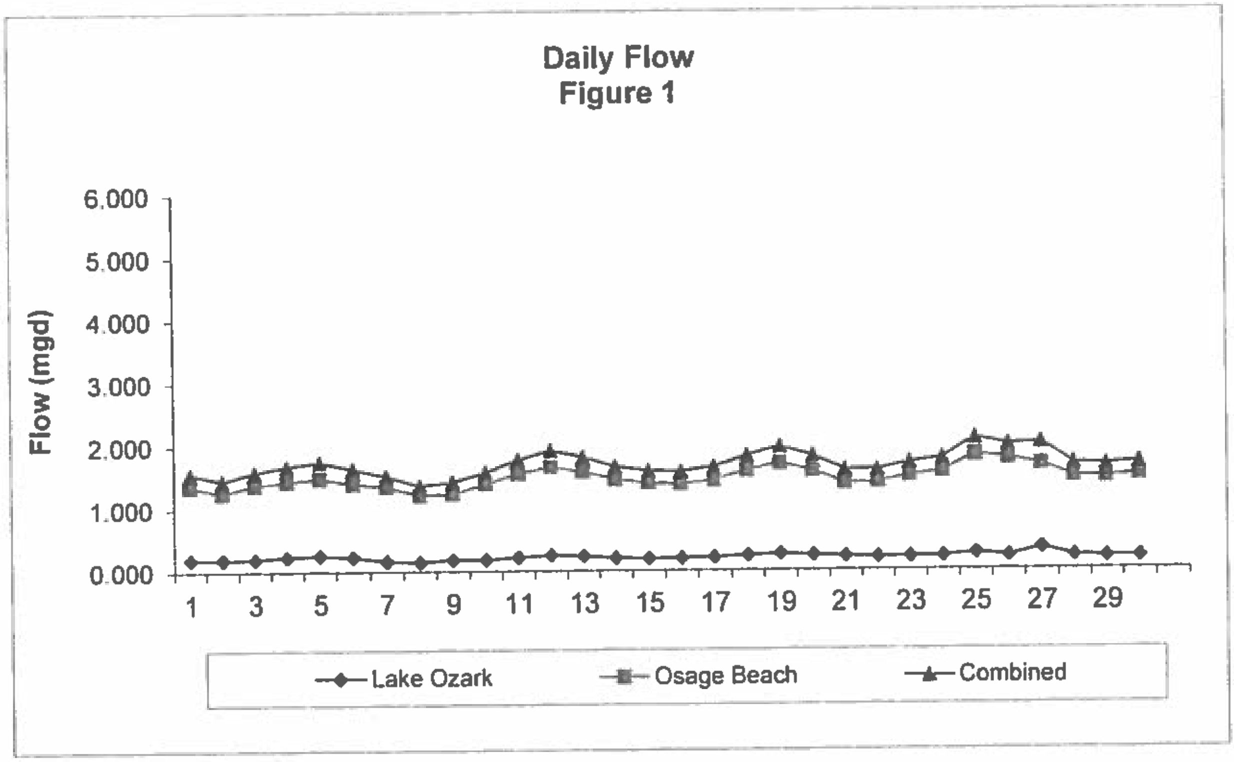
NOTE: BOLD PRINT INDICATES WEEKEND DAYS

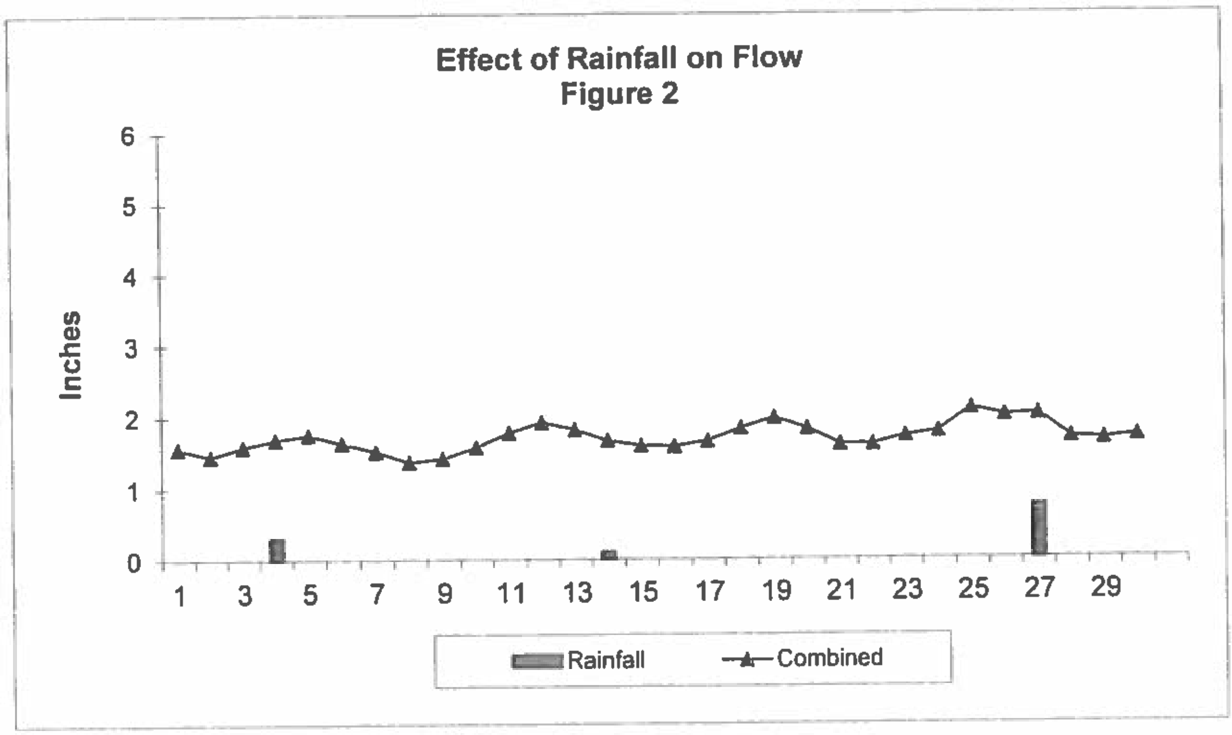
TABLE B
JOINT SEWER BOARD
Monthly Flows

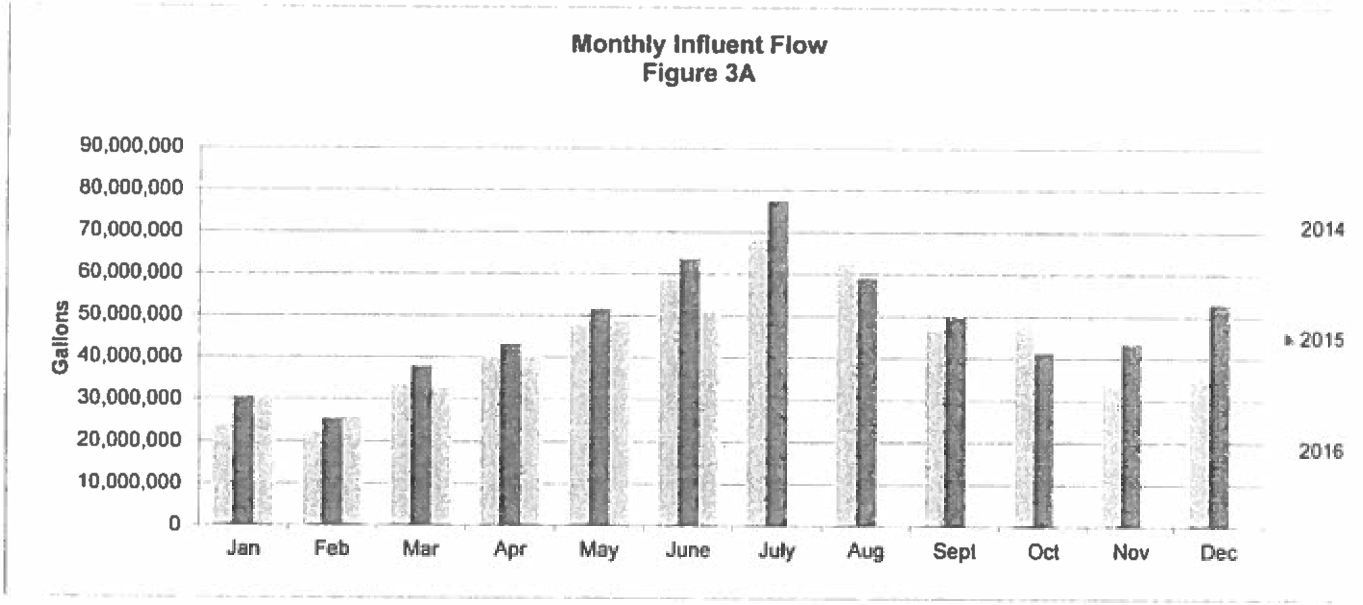
2014	RAINFALL	OSAGE BEACH		LAKE OZARK		TOTAL	%
January	3.0	19,229,000	81%	4,634,000	19%	23,863,000	100%
February	1.3	18,444,000	82%	4,114,000	18%	22,558,000	100%
March	1.2	28,731,000	85%	5,061,000	15%	33,792,000	100%
April	5.1	33,479,000	84%	6,515,000	16%	39,994,000	100%
May	4.7	41,054,000	85%	7,129,000	15%	48,183,000	100%
June	5.1	50,416,000	86%	8,342,000	14%	58,758,000	100%
July	3.1	59,089,000	87%	9,059,000	13%	68,148,000	100%
August	2.9	54,624,000	87%	8,228,000	13%	62,852,000	100%
September	3.4	40,316,000	86%	6,735,000	14%	47,051,000	100%
October	7.9	41,322,000	86%	6,659,000	14%	47,981,000	100%
November	1.6	29,315,000	87%	4,506,000	13%	33,821,000	100%
December	2.6	31,534,000	88%	4,204,000	12%	35,738,000	100%
	41.7	447,553,000	85%	75,186,000	15%	522,739,000	100%

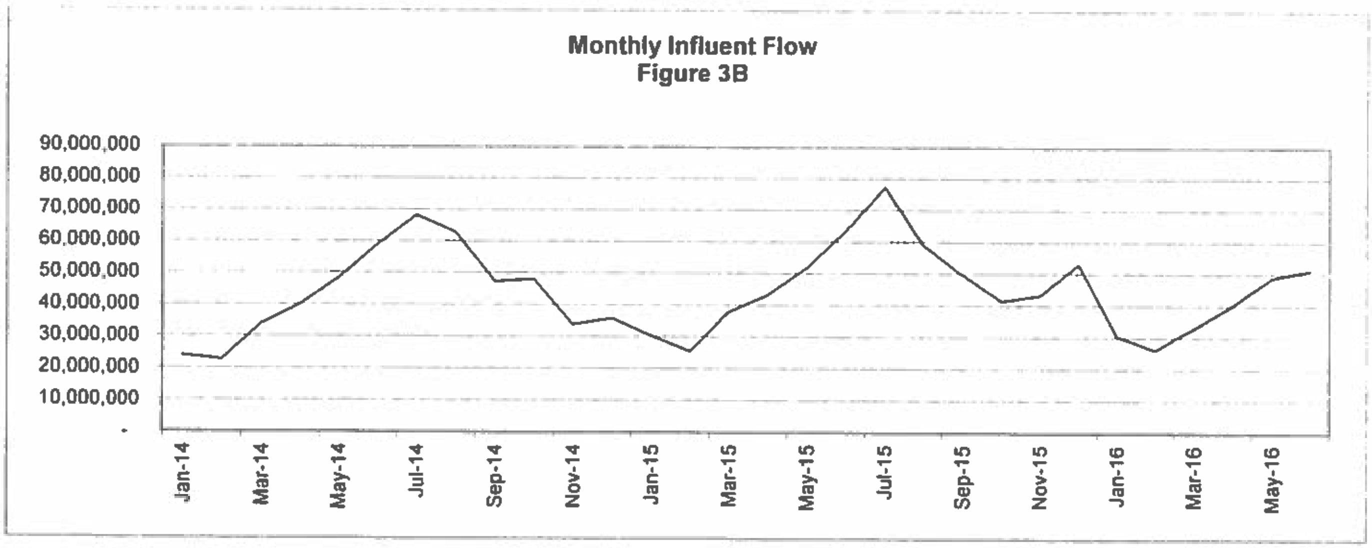
2015	RAINFALL	OSAGE BEACH		LAKE OZARK		TOTAL	%
January	0.9	26,319,000	87%	4,085,000	13%	30,404,000	100%
February	1.4	21,892,000	86%	3,465,000	14%	25,357,000	100%
March	4.5	32,996,000	87%	4,920,000	13%	37,916,000	100%
April	4.0	37,220,000	86%	5,945,000	14%	43,165,000	100%
May	7.2	44,456,000	86%	7,209,000	14%	51,665,000	100%
June	7.1	54,745,000	86%	8,769,000	14%	63,514,000	100%
July	9.7	66,474,000	86%	10,871,000	14%	77,345,000	100%
August	3.5	51,695,000	88%	7,327,000	12%	59,022,000	100%
September	3.1	43,144,000	87%	6,531,000	13%	49,675,000	100%
October	1.8	36,230,000	87%	5,216,000	13%	41,446,000	100%
November	10.8	37,047,000	86%	6,247,000	14%	43,294,000	100%
December	11.7	44,392,000	84%	8,603,000	16%	52,995,000	100%
	65.7	496,610,000	87%	79,188,000	13%	575,798,000	100%

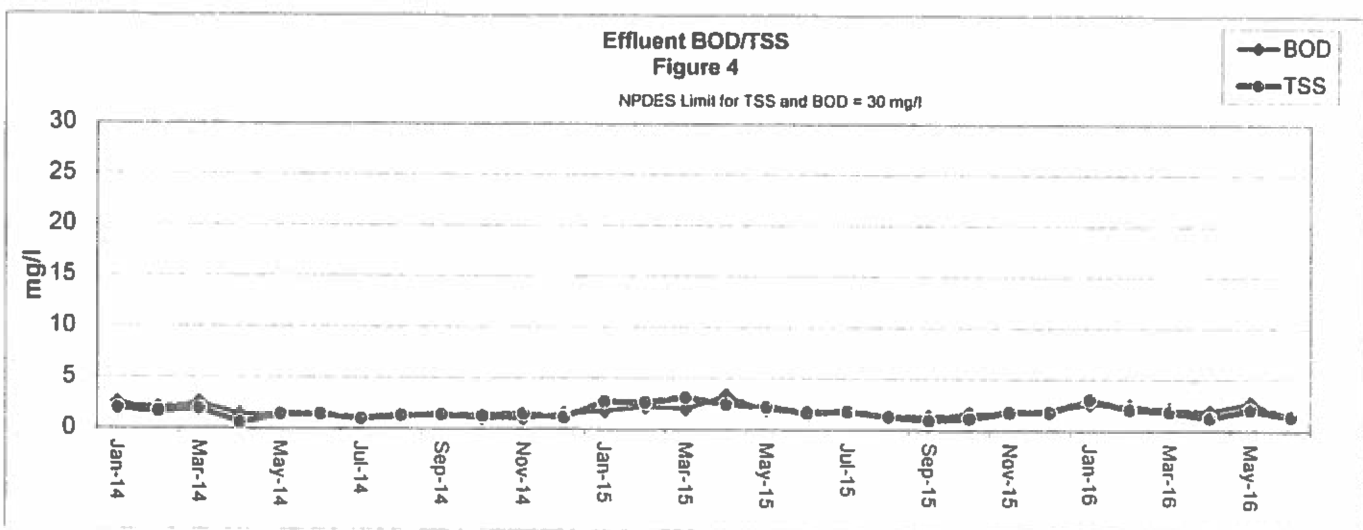
2016	RAINFALL	OSAGE BEACH		LAKE OZARK		TOTAL	%
January	0.8	26,604,000	87%	4,001,000	13%	30,605,000	100%
February	0.8	22,444,000	86%	3,661,000	14%	26,105,000	100%
March	3.1	28,785,000	87%	4,251,000	13%	33,036,000	100%
April	5.3	35,053,000	87%	5,231,000	13%	40,284,000	100%
May	7.0	42,126,000	86%	6,704,000	14%	48,830,000	100%
June	1.2	44,599,000	87%	6,545,000	13%	51,144,000	100%
July							
August							
September							
October							
November							
December							


Daily Flow
Figure 1
Flow (mgd)
6.000
5.000
4.000
3.000
2.000
1.000
0.000
1
3
5
7
9
11
13
15
17
19
21
23
25
27
29
Lake Ozark
Osage Beach
Combined


Effect of Rainfall on Flow
Figure 2
Inches
6
5
4
3
2
1
0
1
3
5
7
9
11
13
15
17
19
21
23
25
27
29
Rainfall
Combined

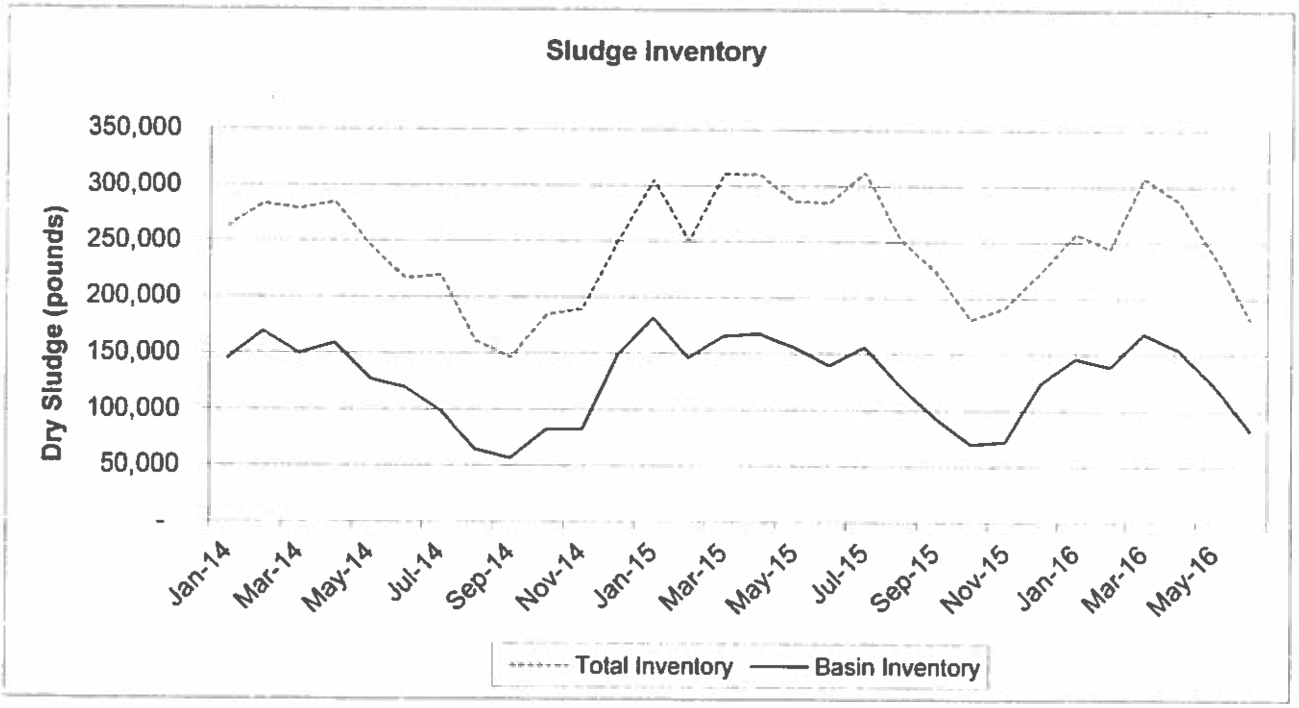

Monthly Influent Flow
Figure 3A
90,000,000
80,000,000
70,000,000
60,000,000
50,000,000
40,000,000
30,000,000
20,000,000
10,000,000
0
Gallons
Jan
Feb
Mar
Apr
May
June
July
Aug
Sept
Oct
Nov
Dec
2014
2015
2016

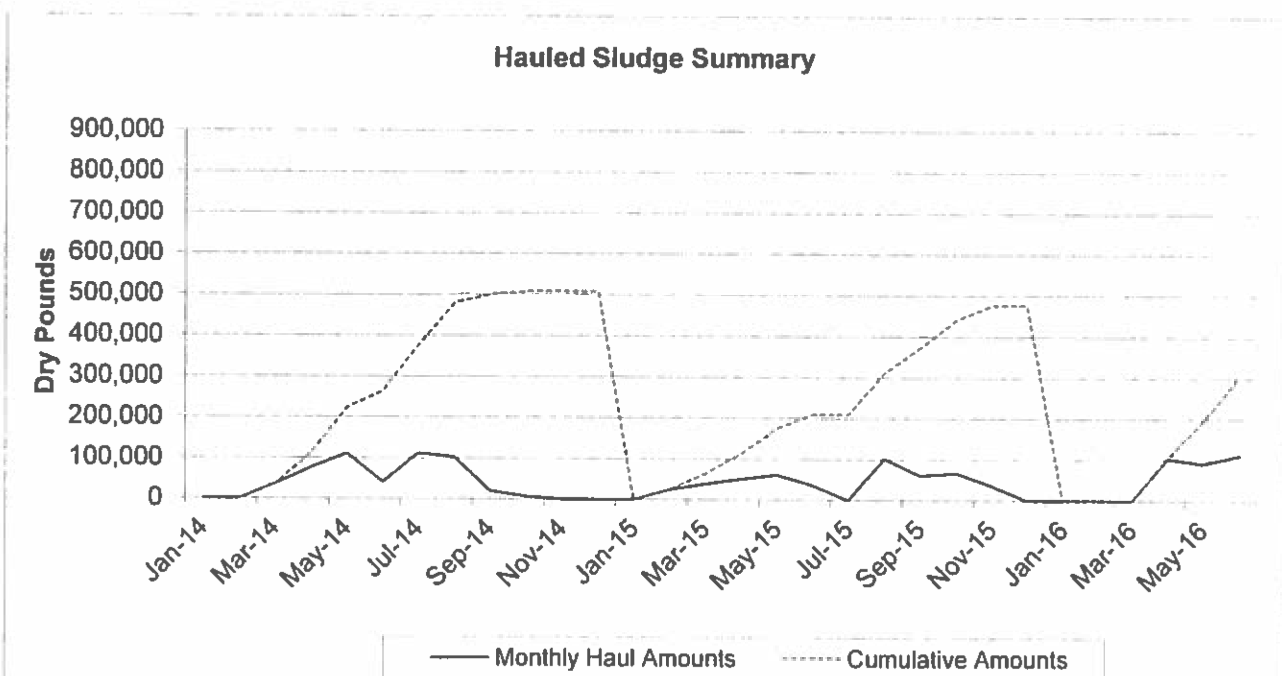

Monthly Influent Flow
Figure 3B
90,000,000
80,000,000
70,000,000
60,000,000
50,000,000
40,000,000
30,000,000
20,000,000
10,000,000
-
Jan-14
Mar-14
May-14
Jul-14
Sep-14
Nov-14
Jan-15
Mar-15
May-15
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16


Effluent BOD/TSS
Figure 4
NPDES Limit for TSS and BOD = 30 mg/l
BOD
TSS
30
25
20
15
10
5
0
mg/l
Jan-14
Mar-14
May-14
Jul-14
Sep-14
Nov-14
Jan-15
Mar-15
May-15
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16

	Hauled Sludge					Basin Depths				
	Loads	Gallons	# Dry	% Solids	Annual Cumulative # Dry	Tank #1	Tank #2	AB #1	Basin Gallons	# Dry
Jan-14	0	-	0	4.3%	-	4.0	5.0	0.0	405,000	145,241
Feb-14	0	-	0	4.3%	-	5.0	5.5	0.0	472,500	169,448
Mar-14	29	107,300	35,703	4.0%	35,703	5.0	5.0	0.0	450,000	149,733
Apr-14	65	240,500	77,176	3.8%	112,879	7.5	3.5	0.0	495,000	158,845
May-14	96	355,200	111,613	3.8%	224,492	5.5	3.5	0.0	405,000	127,261
Jun-14	41	151,700	40,455	3.2%	264,947	4.5	5.5	0.0	450,000	120,005
Jul-14	117	432,900	112,292	3.1%	377,239	6.5	2.0	0.0	382,500	99,219
Aug-14	107	395,900	102,973	3.1%	480,212	5.5	0.0	0.0	247,500	64,374
Sep-14	17	62,900	19,811	3.8%	500,023	2.5	1.5	0.0	180,000	56,693
Oct-14	5	18,500	6,789	4.4%	506,812	4.0	1.0	0.0	225,000	82,569
Nov-14	0	-	0	4.4%	506,812	4.0	1.0	0.0	225,000	82,566
Dec-14	0	-	0	4.4%	506,812	5.0	4.0	0.0	405,000	148,619
Jan-15	0	-	0	4.4%	-	5.5	5.5	0.0	495,000	181,645
Feb-15	20	74,000	24,069	3.9%	24,069	6.0	4.0	0.0	450,000	146,366
Mar-15	34	125,800	38,603	3.7%	62,672	5.5	6.5	0.0	540,000	165,704
Apr-15	44	162,800	50,607	3.7%	113,279	6.0	6.0	0.0	540,000	167,861
May-15	55	203,500	61,284	3.6%	174,563	5.5	6.0	0.0	517,500	155,845
Jun-15	35	129,500	35,024	3.2%	209,587	8.0	3.5	0.0	517,500	139,961
Jul-15	0	-	0	3.2%	209,587	6.5	6.5	0.0	585,000	156,125
Aug-15	107	395,900	102,356	3.1%	311,943	6.5	4.0	0.0	472,500	122,160
Sep-15	55	203,500	60,420	3.6%	372,363	5.5	1.5	0.0	315,000	93,525
Oct-15	59	218,300	67,949	3.7%	440,312	4.0	1.0	0.0	225,000	70,034
Nov-15	30	111,000	35,734	3.9%	476,046	3.0	2.0	0.0	225,000	72,434
Dec-15	0	-	0	3.9%	476,046	4.5	4.0	0.0	382,500	124,412
Jan-16	0	-	0	3.9%	-	5.0	5.0	0.0	450,000	146,367
Feb-16	0	-	0	3.9%	-	6.0	3.5	0.0	427,500	139,049
Mar-16	0	-	0	3.9%	-	6.0	5.5	0.0	517,500	168,322
Apr-16	86	318,200	103,652	3.9%	103,652	5.5	5.0	0.0	472,500	153,914
May-16	77	284,900	91,185	3.8%	194,837	5.5	3.0	0.0	382,500	122,423
Jun-16	99	366,300	111,706	3.7%	306,543	6.0	0.0	0.0	270,000	82,339

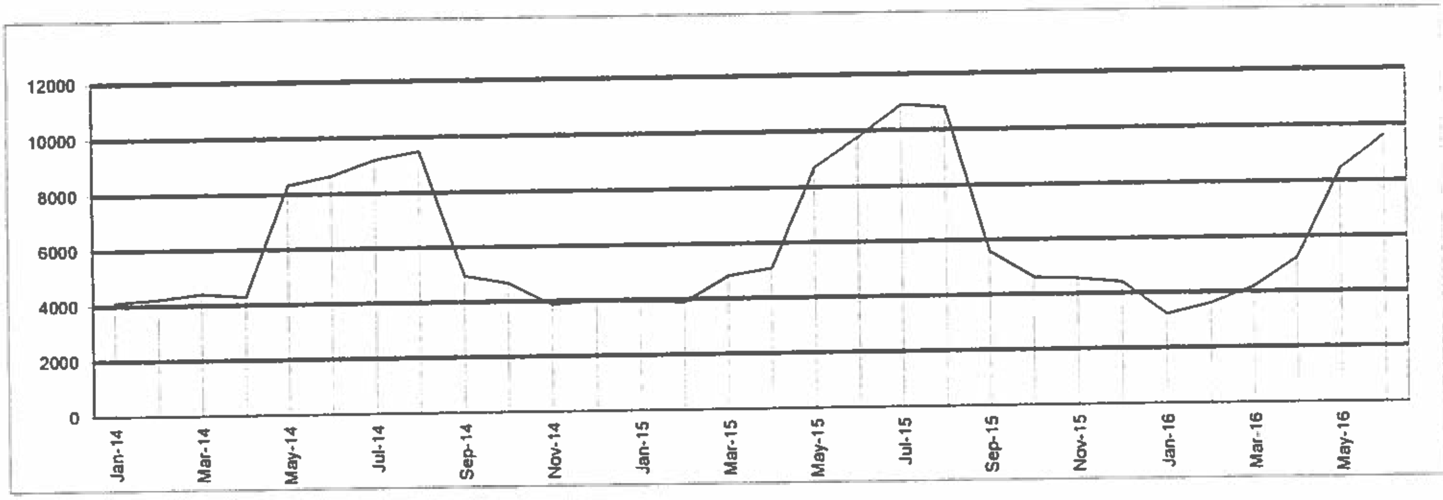
	Blanket Depths			MLSS Inventory		Blanket and MLSS Inventory		MLSS	Total Dry	Accepted Septage	
	Clarf #1	Clarf #2	Clarf #3	MLSS AB #1	MLSS AB #2	Gallons	# Dry	% Solids	Sludge Inventory	Loads	Gallons
Jan-14	2.0	2.5	0.0	3,690	3,960	3,679,929	117,392	0.00383	262,633	22	54,500
Feb-14	1.5	2.5	0.0	3,410	4,030	3,671,048	113,894	0.00372	283,341	6	15,000
Mar-14	0.5	0.5	0.5	4,270	4,230	3,639,476	129,001	0.00425	278,734	35	90,500
Apr-14	1.5	1.0	1.5	4,420	3,710	3,709,547	125,761	0.00407	284,606	30	75,000
May-14	1.0	2.0	2.0	3,550	4,040	3,740,142	118,377	0.0038	245,638	24	60,000
Jun-14	3.0	2.0	2.0	3,530	2,630	3,775,666	96,986	0.00308	216,991	26	61,000
Jul-14	5.0	1.5	1.5	4,030	3,610	3,780,595	120,445	0.00382	219,664	44	111,500
Aug-14	1.0	1.0	1.0	3,690	2,640	3,678,952	97,110	0.00317	161,484	55	129,000
Sep-14	0.0	1.5	1.0	2,670	3,210	3,670,071	89,989	0.00294	146,682	37	92,500
Oct-14	0.0	1.5	2.0	2,990	3,620	3,713,499	102,358	0.00331	184,927	33	79,500
Nov-14	0.0	2.0	1.0	3,630	3,330	3,678,952	106,775	0.00348	189,341	20	50,000
Dec-14	0.0	2.0	2.0	3,480	3,060	3,722,380	101,516	0.00327	250,135	18	40,000
Jan-15	2.0	2.0	0.0	3,900	4,160	3,671,048	123,385	0.00403	305,030	22	55,000
Feb-15	1.0	1.0	0.0	3,580	3,290	3,635,524	104,150	0.00344	250,516	21	52,500
Mar-15	1.0	2.0	2.0	5,040	4,250	3,740,142	144,890	0.00465	310,595	11	27,500
Apr-15	2.5	2.0	1.0	5,180	4,000	3,723,357	142,532	0.00459	310,393	23	57,500
May-15	1.5	2.0	4.0	4,030	4,110	3,835,879	130,204	0.00407	286,049	26	65,000
Jun-15	2.0	1.0	3.0	4,630	4,550	3,783,570	144,837	0.00459	284,798	37	92,500
Jul-15	1.0	2.0	1.0	5,470	4,660	3,696,714	156,157	0.00507	312,282	42	104,000
Aug-15	0.5	1.0	0.5	4,170	4,400	3,648,357	130,533	0.00429	252,693	44	110,000
Sep-15	1.0	1.0	1.0	4,480	3,570	3,678,952	130,400	0.00425	223,925	32	80,000
Oct-15	1.0	1.0	1.0	3,310	3,920	3,678,952	110,917	0.00362	180,952	22	55,000
Nov-15	1.0	3.0	1.0	3,440	4,430	3,714,476	118,803	0.00384	191,237	19	47,500
Dec-15	2.0	0.5	1.5	4,460	1,940	3,709,547	99,000	0.0032	223,412	21	52,500
Jan-16	0.5	0.5	0.0	3,760	3,610	3,617,762	111,184	0.00369	257,551	22	55,000
Feb-16	1.0	1.0	0.0	3,210	3,730	3,635,524	105,211	0.00347	244,260	6	15,000
Mar-16	2.0	2.0	1.0	4,670	4,320	3,714,476	139,249	0.0045	307,571	44	110,000
Apr-16	2.5	2.5	1.0	5,540	3,180	3,732,238	132,600	0.00426	286,515	6	15,000
May-16	1.0	5.0	1.0	3,770	3,670	3,750,000	116,343	0.00372	238,766	40	100,000
Jun-16	1.5	1.0	1.5	2,570	3,840	3,709,547	99,155	0.00321	181,494	30	75,000


Sludge Inventory
Dry Sludge (pounds)
350,000
300,000
250,000
200,000
150,000
100,000
50,000
-
Jan-14
Mar-14
May-14
Jul-14
Sep-14
Nov-14
Jan-15
Mar-15
May-15
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Total Inventory
Basin Inventory

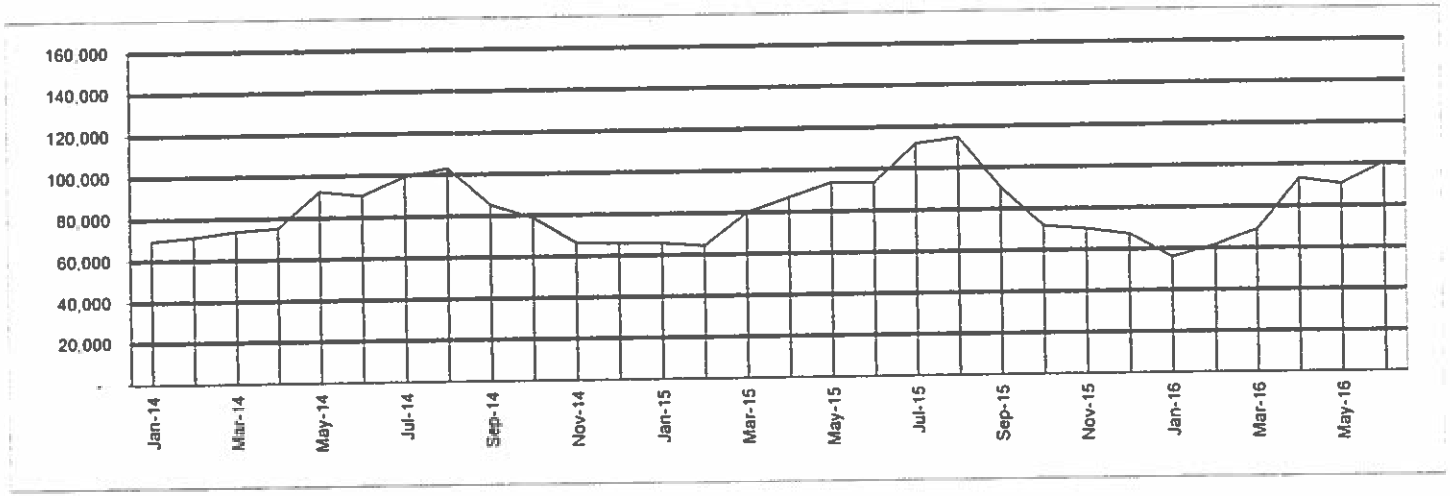

Hauled Sludge Summary
Dry Pounds
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0
Jan-14
Mar-14
May-14
Jul-14
Sep-14
Nov-14
Jan-15
Mar-15
May-15
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Monthly Haul Amounts
Cumulative Amounts

	Electric Cost	Kilowatts Used
Jan-14	4116	69,690
Feb-14	4226	71,330
Mar-14	4427	73,840
Apr-14	4297	75,240
May-14	8325	92,580
Jun-14	8643	90,400
Jul-14	9200	99,540
Aug-14	9483	103,070
Sep-14	4953	85,380
Oct-14	4663	78,920
Nov-14	3864	66,400
Dec-14	4009	66,040
Jan-15	3947	65,860
Feb-15	3901	64,300
Mar-15	4821	80,190
Apr-15	5084	87,050
May-15	8707	93,810
Jun-15	9772	93,490
Jul-15	10912	112,040
Aug-15	10807	114,770
Sep-15	5585	90,520
Oct-15	4620	71,940
Nov-15	4556	70,170
Dec-15	4413	67,300
Jan-16	3223	56,290
Feb-16	3613	61,740
Mar-16	4195	69,020
Apr-16	5235	93,310
May-16	8446	90,640
Jun-16	9618	100,670

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	
Jun-16	MO-0103241	#001	Oxidation Ditch/UV/Sludge Holding-sludge is land applied	

	INFLUENT				EFFLUENT								% Removal	
DATE	pH UNITS	BOD mg/L	TSS mg/L	TEMP °C	FLOW MGD	pH UNITS	BOD mg/L	TSS mg/L	Ammonia as N mg/l	DO mg/L	E. coli COLFRM #/100 ML	TEMP °C	BOD mg/L	TSS mg/L
1	7.3			20.1	1.822	7.9				4.6		21.1		
2	7.3			19.8	1.656	7.9			0.05	5.6		22.4		
3	7.4	208	196	20.2	1.806	7.9	1.5	2.1		4.4		21.8	99.3	98.9
4	7.2			20.6	1.876	7.9				5.2		21.7		
5	7.3			20.5	1.955	7.8				5.2		21.8		
6	7.2			20.8	1.835	7.9				5.8	< 20	21.8		
7	7.3			20.8	1.756	7.9				5.5		21.9		
8	7.4			21.0	1.543	7.9				6.4		21.7		
9	7.3			21.3	1.625	7.9			0.07	5.2		22.2		
10	7.3	183	200	22.3	1.711	7.9	1.4	1.1		5.3		23.6	99.2	99.5
11	7.2			21.3	1.861	7.8				4.5		22.8		
12	7.3			21.6	2.043	7.9				4.6		23.3		
13	7.3			23.2	1.817	7.8				5.2	< 20	24.6		
14	7.3			22.2	1.798	8.0				5.4		24.5		
15	7.3			22.6	1.669	7.9				4.8		24.8		
16	7.3			23.3	1.756	7.9			0.08	5.2		25.4		
17	7.3	200	254	22.8	1.691	8.0	1.6	0.9		5.4		26.2	99.2	99.6
18	7.3			22.7	2.033	8.0				5.4		24.7		
19	7.3			22.6	2.086	7.9				5.2		24.3		
20	7.3			23.0	1.983	8.0				5.8	< 20	25.1		
21	7.2			22.7	1.736	7.9				5.3		25.0		
22	7.3			23.2	1.781	7.9				5.5		25.2		
23	7.3			24.0	1.827	8.0			0.07	5.6		25.8		
24	7.3	188	236	24.1	1.878	8.0	1.1	1.3		5.4		25.8	99.4	99.4
25	7.4			26.0	2.166	8.0				5.7		25.9		
26	7.3			22.5	2.135	7.9				5.3		24.8		
27	7.3			23.8	2.147	7.8				4.6	< 20	23.8		
28	7.2			23.7	1.744	8.0				5.4		25.5		
29	7.4			24.0	1.819	7.9				5.0		25.0		
30	7.3			23.5	1.749	7.9			0.08	4.9		24.4		
Total					55.304									
Avg		195	222	22.3	1.843		1.4	1.4	0.07	5.2	< 20	23.9	99.3	99.4
Min	7.2	183	196	19.8	1.543	7.8	1.1	0.9	0.05	4.4	< 20	21.1	99.2	98.9
Max	7.4	208	254	26.0	2.166	8.0	1.6	2.1	0.08	6.4	< 20	26.2	99.4	99.6

MONTHLY EFFLUENT MONITORING		QUARTERLY EFFLUENT MONITORING	
DATE	Oil & Grease mg/L	Selenium µg/L	Zinc µg/L
1			
2			
3			
4			
5			
6			
7	< 5.0		
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. MIXED LIQUOR * DO mg/l	** MLSS mg/l	*Settleability *30 min ml	Temp ° C	#2 Aeration Basin, O-Ditch, Etc. MIXED LIQUOR * DO mg/l	** MLSS mg/l	*Settleability *30 min ml	Temp ° C	*Weather Conditions Outside * Ambient Temp ° F	*RAIN inches	Time
1	8,393	3.3	4,090	400	22.2	3.3	4,550	470	22	70	0	7:30
2	8,640	2.5	4,590	540	22.1	4.3	3,540	370	22	68	0	7:30
3		1.1	4,740	570	21.7	2.0	3,070	340	21.6	67	0	7:30
4		1.2	4,000	500	21.5	2.1	3,880	390	21.5	68	0.3	7:30
5		1.2	3,680	390	21.6	1.6	3,850	470	21.5	64	0	7:30
6		1.4	2,350	340	21.5	1.4	4,160	510	21.5	62	0	7:30
7		1.1	3,510	440	21.8	1.3	3,840	500	21.7	64	0	7:30
8	4,320	1.9	4,520	470	21.5	2.4	3,270	420	21.4	62	0	7:30
9	10,276	1.3	4,770	550	22.2	1.9	3,470	360	22	68	0	7:30
10	11,387	1.4	2,690	400	24.1	1.4	3,310	390	23.5	71	0	7:30
11	11,664	1.4	4,040	540	22.4	2.1	2,770	320	22.3	67	0	7:30
12	15,552	1.3	5,200	600	23	2.8	2,360	280	22.8	68	0	7:30
13	7,900	1.4	4,270	440	24.6	1.2	4,050	420	24.1	74	0	7:30
14	8,887	1.5	3,420	400	24.3	1.2	4,290	500	24.1	72	0.1	7:30
15	7,900	1.4	3,110	440	24.7	1.4	3,220	400	24.4	76	0	7:30
16	7,985	1.1	3,670	500	26.2	1.6	2,880	320	25.3	75	0	7:30
17	4,197	1.4	3,620	430	26	1.5	3,210	340	25.4	75	0	7:30
18		1.5	4,180	490	24.2	1.8	3,230	360	24.2	68	0	7:30
19		2.2	2,790	370	23.8	1.4	3,790	480	23.9	67	0	7:30
20		1.3	4,140	450	25.1	1.6	3,300	350	24.9	76	0	7:30
21		1.5	3,480	460	24.7	1.7	3,390	380	24.5	73	0	7:30
22		1.5	3,810	450	25.2	1.5	3,330	400	24.9	76	0	7:30
23		1.5	3,810	450	25.8	1.8	3,210	350	25.5	83	0	7:30
24		1.5	3,490	420	25.5	1.6	3,280	380	25.4	74	0	7:30
25		1.5	3,510	460	25.9	1.7	3,180	370	25.8	78	0	7:30
26		1.5	4,180	490	24.2	1.8	3,230	360	24.2	78	0	7:30
27		1.3	3,570	380	24.9	1.2	3,270	360	24.9	73	0	7:30
28		1.3	3,920	450	25.2	1.7	2,480	340	25	71	0	7:30
29	4,690	1.2	3,000	380	24.8	1.4	3,540	450	24.7	68	0	7:30
30		1.4	2,570	320	24.1	1.2	3,840	400	24.2	71	0	7:30

COMMENTS:

TESTS PERFORMED BY (PRINT)	SIGNATURE	PHONE #	DATE
John Hornback		(573)365-0455	7/6/2016
REPORT APPROVED BY (PRINT)	SIGNATURE	PHONE #	DATE
Gary Hutchcraft		(573)365-0455	7/6/2016

*Required Daily (Monday - Friday) **Required 1/week

State of Missouri
Department of Natural Resources
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Dep. of Natural Resources
(REGIONAL OFFICE)
Southwest Regional Office
2040 W Woodland
Springfield, MO 65807-5912
4178914300
4178914399 (fax)

PERMITTEE NAME/ADDRESS

NAME: Lake of the Ozarks Regional WWTP #1
ADDRESS: #3 Anderson Road
LAKE OZARK, MO 65049

MO0103241	001 A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2016	06	01	TO	2016	06	30

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM

Parameter		MASS		Unit	CONCENTRATION			Unit	FREQUENCY OF ANALYSIS	SAMPLE TYPE	LAB CODE
BOD, 5-day, 20 deg. C (00310)	REPORTD	*****	*****		1.6	1.4	*****	mg/L	Weekly	24 Hour Composite	
Stage Type: End of Pipe	REQRMNT	*****	*****		Weekly Average 45	Monthly Average 30	*****		Weekly	24 Hour Composite	
E. coli, colony forming units (CFU) (51041)	REPORTD	*****	*****		*****	<20	<20	MPN/100mL	Weekly	Grab	
Stage Type: End of Pipe	REQRMNT	*****	*****		*****	Weekly Average 630	Monthly Average 126		Weekly	Grab	
Flow, in conduit or thru treatment plant (50050)	REPORTD	2.166	1.843	Mgal/d	*****	*****	*****		Daily	Record	
Stage Type: End of Pipe	REQRMNT	Daily Maximum Monitoring Required	Monthly Average Monitoring Required		*****	*****	*****		Daily	Record	
Nitrogen, ammonia total (as N) (00610)	REPORTD	*****	*****		0.08	0.07	*****	mg/L	Weekly	Grab	
Stage Type: End of Pipe	REQRMNT	*****	*****		Daily Maximum 5.6	Monthly Average 1.2	*****		Weekly	Grab	
Oil and grease (soxhlet extr.) tot (00550)	REPORTD	*****	*****		<5.0	<5.0	*****	mg/L	Monthly	Grab	
Stage Type: End of Pipe	REQRMNT	*****	*****		Daily Maximum 15	Monthly Average 10	*****		Monthly	Grab	
pH (00400)	REPORTD	*****	*****		7.8	8.0	*****	SU	Weekly	Grab	
Stage Type: End of Pipe	REQRMNT	*****	*****		Minimum 6	Maximum 9	*****		Weekly	Grab	
Temperature, water deg. centigrade (00010)	REPORTD	*****	*****		26.2	23.9	*****	deg C	Weekly	Grab	
Stage Type: End of Pipe	REQRMNT	*****	*****		Daily Maximum Monitoring Required	Monthly Average Monitoring Required	*****		Weekly	Grab	

GENERAL PERMIT REQUIREMENTS OR COMMENTS
OUTFALL-SPECIFIC COMMENTS
PARAMETER-SPECIFIC COMMENTS

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

OPERATOR IN RESPONSIBLE CHARGE

Gary Hutchcraft		7305	
TYPED OR PRINTED NAME		CERTIFICATE NUMBER	
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	573-365-0455
Gary F Hutchcraft	Gary F Hutchcraft	2016-07-06 11:19:16	
TYPED OR PRINTED NAME	SIGNATURE	Date	

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State of Missouri
Department of Natural Resources
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Dep. of Natural Resources
(REGIONAL OFFICE)
Southwest Regional Office
2040 W Woodland
Springfield, MO 65807-5912
4178914300
4178914399 (fax)

PERMITTEE NAME/ADDRESS

NAME: Lake of the Ozarks Regional WWTP #1
ADDRESS: #3 Anderson Road
LAKE OZARK, MO 65049

MO0103241	001 A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2016	06	01	TO	2016	06	30

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM

Parameter		MASS		Unit	CONCENTRATION			Unit	FREQUENCY OF ANALYSIS	SAMPLE TYPE	LAB CODE
Total Suspended Solids (TSS) (00530)	REPORTD	*****	*****		2.1	1.4	*****	mg/L	Weekly	24 Hour Composite	
Stage Type: End of Pipe	REQRMNT	*****	*****		Weekly Average 45	Monthly Average 30	*****		Weekly	24 Hour Composite	

GENERAL PERMIT REQUIREMENTS OR COMMENTS
OUTFALL-SPECIFIC COMMENTS
PARAMETER-SPECIFIC COMMENTS

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

OPERATOR IN RESPONSIBLE CHARGE

Gary Hutchcraft		7305	
TYPED OR PRINTED NAME		CERTIFICATE NUMBER	
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	573-365-0455
Gary F Hutchcraft	Gary F Hutchcraft	2016-07-06 11:19:16	
TYPED OR PRINTED NAME	SIGNATURE	Date	

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LAKE OZARK/OSAGE BEACH WWTP
Operation Report

FOR JUNE 2016

DATE	[illegible]	PLANT INFLUENT [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	pH	TEMP °C	ENVIRONMENTAL CONDITIONS WEATHER	[illegible]	TEMPERATURE (degrees F)
1	JH	0.200	1.368	1.568								7.28	20.1	C	0	70
2	JH	0.192	1.264	1.456							35.1	7.29	19.8	C	0	68
3	JH	0.205	1.386	1.591	255	210	208	194	166	196		7.41	20.2	PC	0	67
4	JH	0.240	1.448	1.688								7.24	20.6	PC	0.3	68
5	JH	0.263	1.492	1.755								7.33	20.3	C	0	64
6	JH	0.234	1.409	1.642								7.17	20.8	PC	0	62
7	JH	0.166	1.357	1.523								7.26	20.8	C	0	64
8	JH	0.152	1.222	1.374								7.36	21.0	PC	0	62
9	JH	0.185	1.243	1.428							28.6	7.29	21.3	PC	0	68
10	JH	0.184	1.395	1.579	295	188	183	268	180	200		7.34	22.3	PC	0	71
11	JH	0.220	1.557	1.777								7.24	21.3	PC	0	67
12	JH	0.252	1.668	1.920								7.28	21.6	PC	0	68
13	GH	0.238	1.579	1.817								7.27	23.2	C	0	74
14	JH	0.204	1.460	1.664								7.33	22.2	PC	0.1	72
15	JH	0.194	1.400	1.594								7.26	22.6	PC	0	76
16	JH	0.201	1.382	1.583							32.2	7.3	21.3	PC	0	75
17	JH	0.210	1.446	1.656	313	243	200	268	246	254		7.3	22.8	PC	0	75
18	JH	0.236	1.597	1.833								7.26	22.7	PC	0	68
19	JH	0.264	1.712	1.976								7.23	22.6	PC	0	67
20	JH	0.236	1.588	1.824								7.34	23	PC	0	76
21	JH	0.216	1.388	1.604								7.19	22.7	PC	0	73
22	JH	0.204	1.399	1.603								7.26	23.2	PC	0	76
23	JH	0.209	1.506	1.715							38.3	7.32	24	PC	0	83
24	JH	0.214	1.568	1.782	228	158	188	178	156	236		7.29	24.1	PC	0	74
25	FH	0.263	1.835	2.098								7.35	26	C	0	78
26	FH	0.218	1.783	2.001								7.28	22.5	O	0	78
27	FH	0.340	1.680	2.020								7.26	21.8	O	0.75	73
28	JH	0.212	1.483	1.695								7.22	23.7	C	0	71
29	JH	0.195	1.473	1.668								7.37	24	PC	0	68
30	JH	0.198	1.512	1.710							23.6	7.31	23.5	PC	0	71
TOTAL		6.545	44.599	51.144	1091	799	779	908	748	886	157.8	218.7	670.2		1.15	2127
MAX		0.340	1.835	2.175	313	243	208	268	246	254	38.3	7.41	26		0.75	83
MIN		0.152	1.222	1.374	228	158	183	178	156	196	23.6	7.17	19.8		0	62
AVG		0.218	1.487	1.705	273	200	195	227	187	222	31.6	7.29	22.3		0.04	71

DATE	OXIDATION DITCH NO 1 MIXED LIQUOR [illegible]	[illegible]	[illegible]	pH	[illegible]	OXIDATION DITCH NO 2 MIXED LIQUOR [illegible]	[illegible]	[illegible]	pH	[illegible]	CLARIFIER NO 1 [illegible]	CLARIFIER NO 2 [illegible]	CLARIFIER NO 3 [illegible]
1	4,090	400	98	7.68	3.3	4,550	470	103	7.7	3.3	2.0	3.0	1.0
2	4,590	540	118	7.65	2.5	3,540	370	105	7.74	4.3	1.5	2.0	1.0
3	4,740	570	120	7.62	1.1	3,070	340	111	7.66	2.0	2.0	1.0	1.5
4	4,000	500	125	7.64	1.2	3,880	390	101	7.68	2.1	1.0	1.0	1.0
5	3,680	390	106	7.59	1.2	3,850	470	122	7.61	1.6	1.0	1.0	1.0
6	2,350	340	145	7.63	1.4	4,160	510	123	7.63	1.4	1.0	2.5	1.0
7	3,510	440	125	7.62	1.1	3,840	500	130	7.63	1.3	1.0	1.0	1.0
8	4,520	470	104	7.61	1.9	3,270	420	128	7.65	2.4	1.0	1.0	1.0
9	4,770	550	115	7.56	1.3	3,470	360	104	7.62	1.9	1.0	1.0	1.0
10	3,690	400	149	7.66	1.4	3,310	390	118	7.59	1.4	1.0	3.0	1.0
11	4,040	540	134	7.62	1.4	2,770	320	116	7.67	2.1	1.0	1.0	1.0
12	5,200	600	115	7.64	1.3	2,360	280	119	7.68	2.8	1.0	2.5	1.0
13	4,270	440	103	7.62	1.4	4,050	420	104	7.6	1.2	1.0	1.0	1.0
14	3,420	400	117	7.67	1.5	4,290	500	117	7.67	1.2	1.0	1.0	1.0
15	3,110	440	141	7.66	1.4	3,220	400	124	7.68	1.4	1.0	1.0	1.0
16	3,670	500	136	7.65	1.1	2,880	320	111	7.71	1.6	2.0	1.0	1.0
17	3,620	430	119	7.7	1.4	3,210	340	106	7.67	1.5	1.0	1.0	1.0
18	4,180	490	117	7.7	1.5	3,230	360	111	7.71	1.8	1.0	1.0	1.0
19	2,790	370	133	7.67	2.2	3,790	480	127	7.66	1.4	1.0	1.0	1.0
20	4,140	450	108	7.66	1.3	3,300	350	106	7.68	1.6	1.5	3.0	0.5
21	3,480	460	132	7.67	1.5	3,390	380	112	7.71	1.7	1.5	1.5	1.5
22	3,810	450	118	7.67	1.5	3,130	400	120	7.6	1.5	1.0	1.0	1.0
23	3,810	450	118	7.66	1.5	3,210	350	109	7.7	1.8	1.0	0.5	1.0
24	3,490	420	120	7.62	1.5	3,280	380	116	7.71	1.6	1.0	1.0	1.5
25	3,510	460	131	7.65	1.5	3,180	370	116	7.69	1.7	1.0	1.0	1.0
26	4,180	490	117	7.7	1.5	2,130	360	111	7.71	1.8	1.5	1.5	1.0
27	3,570	380	106	7.28	1.3	3,270	360	111	7.41	1.2	2.0	2.0	2.0
28	3,920	450	115	7.65	1.3	2,480	340	137	7.71	1.7	1.0	0.5	1.0
29	3,000	380	127	7.66	1.2	3,540	450	127	7.65	1.4	1.5	1.5	2.0
30	2,570	320	125	7.67	1.4	3,840	400	104	7.68	1.2	1.5	1.0	1.5
TOTAL	113,720	13,520	3,637	229	45.1	101,690	11,780	3,449	230	53.9	37.0	41.5	33.5
MAX	5,200	600	149	7.7	3.3	4,550	510	137	7.74	4.3	2.0	3.0	2.0
MIN	2,350	320	98	7.28	1.1	2,130	280	101	7.41	1.2	1.0	0.5	0.5
AVG	3,791	451	121	7.64	1.5	3,390	393	115	7.66	1.8	1.2	1.4	1.1

DATE	PLANT EFFLUENT [illegible]	pH	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	RETURN SLUDGE [illegible]	[illegible]	WASTE SLUDGE [illegible]	[illegible]
1	1.822	7.88			4.6		21.1					1.055	7,970		
2	1.656	7.93			5.6	0.05	22.4					0.780	7,180		
3	1.806	7.86	1.5	2.1	4.4		21.8					0.702	10,070	45,000	3,779
4	1.876	7.86			5.2		21.7					0.861	6,460		
5	1.955	7.84			5.2		21.8					0.967	7,120		
6	1.835	7.87			5.8		21.8	< 20				0.877	8,790		
7	1.756	7.90			5.5		21.9					0.978	8,350	45,000	3,134
8	1.543	7.92			6.4		21.2		< 5.0			0.800	6,445		
9	1.625	7.86			5.2	0.07	22.2					0.740	9,465		
10	1.711	7.89	1.4	1.1	5.3		23.6					0.839	8,000	45,000	3,002
11	1.861	7.83			4.5		22.8					1.089	5,695		
12	2.043	7.85			4.6		21.1					0.921	10,990		
13	1.817	7.81			5.2		24.6	< 20				1.037	7,415		
14	1.798	7.96			5.4		24.5					0.878	8,700	45,000	3,261
15	1.669	7.94			4.8		24.8					0.995	6,770		
16	1.736	7.94			5.2	0.08	25.4					0.961	8,445	90,000	6,369
17	1.691	7.97	1.6	0.9	5.4		26.2					0.553	11,630		
18	2.033	7.93			5.4		24.7					0.684	8,005		
19	2.086	7.92			5.2		24.3					0.926	8,300		
20	1.983	7.98			5.8		25.1	< 20				0.854	10,020	45,000	3,761
21	1.736	7.94			5.3		25					0.602	9,063		
22	1.781	7.94			5.5		25.2					0.746	9,785	45,000	3,672
23	1.827	7.96			5.6	0.07	25.8					0.768	8,305		
24	1.878	7.96	1.1	1.3	5.4		25.8					0.689	10,370	45,000	3,892
25	2.166	7.96			5.7		25.9					0.650	8,335		
26	2.135	7.93			5.3		24.8					0.731	8,005		
27	2.147	7.78			4.6		25.1	< 20				0.568	12,325	45,000	4,672
28	1.744	7.93			5.4		25.5					0.704	7,795		
29	1.819	7.92			5		25					0.897	8,295	45,000	3,113
30	1.749	7.92			4.9	0.08	24.4					0.802	9,145		
TOTAL	55.304	237	5.6	5.4	157	0.35	718	0	< 5.0	0	0	24.634	257,285	495,000	38,659
MAX	2.166	7.98	1.6	2.1	6.4	0.08	26.2	0	< 5.0	0	0	1.089	12,325	90,000	6,369
MIN	1.543	7.78	1.1	0.9	4.4	0.05	21.1	0	< 5.0	0	0	0.553	5,695	45,000	3,002
AVG	1.843	7.91	1.4	1.4	5.2	0.07	21.9	0.0	< 5.0	0.0	0.0	0.822	8,576	49,500	3,866

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

Prepared by GH, FH, JH Approved by GH Date 7/6/2016

Alliance Water Resources, Inc

To:	Joint Sewer Board
From:	Gary Hutchcraft
CC:	Gary Johnson
Date:	7/19/2016
Re:	Formal Bid – Purchase Amount

Comments: We (Alliance Water Resources) would like to see if the Joint Sewer Board would consider raising the Formal Bid purchase amount from the current $5,000 to $7,501 and above. The informal purchase procedure to the amount of $1,001 to $7,500 as long as the three or more quotes are obtained. Sometimes, like in this instance we budgeted $8,500 for the purchase of two impellers and by purchasing two we can get them at $2,500 each and if we buy them separately the cost goes back up to over $4,000 each. We have solicited 6 companies for the same exact item, which is more than the minimum requirement for the informal purchase procedure. We would appreciate your consideration on this due the cost savings to the Joint Sewer Board.

WATER RESOURCES Alliance
Professional Water and Wastewater Operations

Bids for a replacement Impellers for Fairbanks Morse RAS Pumps

Bidder	Budget	Price for 2 - Fairbanks Morse Impeller T4C1KH 220F CW 2 V
Vandevanter Engineering	$8,500.00	No Bid
Haynes Equipment	"	No Bid
Evans Enterprises	"	$7,300.00
DXP SuperCenter	"	$6,512.00
JCI Industries	"	$6,000.00 Freight included
Progress Environmental	"	$5,000.00 Freight included

Freight is not included, except in JCI & Progress Env.

Gary Hutchcraft

From: John Bowling <jbowling@whiteseis.com>
Sent: Wednesday, June 22, 2016 12:30 PM
To: ghutchcraft@alliancewater.com
Cc: Randy Wheeler
Subject: RE: Alliance Water Resources, Inc. - Quote for Equipment & Services WWTP at Lake Ozark, MO

Dear Gary:

Thanks for calling me regarding your needs for a permanent monitoring station and condition inspections at your facilities in Osage Beach, MO.

I spoke with our company owner and we are going to hold our pricing to the same prices we gave you back in 2013. Our quote follows below...

Condition Inspections – To be conducted at the Lake Ozark, MO WWTP Facility in Osage Beach, MO.
Note: Alliance will be provided two (2) sets of the digital inspection photos.

$ 1,200.00 Quoted Price for Inspections

Permanent Seismic Monitoring Program - Seismograph Station to be installed at the Lake Ozark, MO Facility.
Note: Pricing Includes Station Installation/Maintenance/Auto Reporting of Events – Minimum Project Duration is six (6) months.

$ 500.00 Monthly Station Fee

We look forward to being your provider of choice.

Please don't hesitate to call or email as needed!

Very truly yours,
John

John Bowling, Technical Representative
White Industrial Seismology, Inc.
P.O. Box 1256 / 1206 Schifferdecker
Joplin, MO 64802-1256
Website: www.whiteseis.com
E-Mail: jbowling@whiteseis.com
(800) 641-4538 Toll Free
(417) 624-0164 Office
(417) 624-9416 FAX

QUOTES (SERVICES AND EQUIPMENT)

Condition Inspections at the Lake Ozark, MO WWTP Facility

$ 1,200.00 Quoted Price for the Condition Inspections

Please Note: We typically take many digital photos (ID photos of the structures as well as the observed conditions) during our inspections. The Inspection Report will include 2 Thumb-Drives (each will contain a full set of the digital inspection photos) for your records.

Permanent Seismic Monitoring Program at the Lake Ozark, MO WWTP Facility

$ 500.00 Monthly Station Fee (Includes Installation/Maintenance/Auto Reporting of Triggered Events)

Please note that some of the benefits of independent third-party seismic monitoring include:

- Maximizes the involvement of professionals in the data collection process and minimizes the direct involvement of the client's personnel.
- Provide a 24-hour, day to day picture of the effects that are being received at a specific monitoring point.
- The Monitoring Program can be tailored to your operation's specific needs.

Seismograph Purchase

$ 3,800.00	One (1) Mini-Seis (1/2 Meg Memory) 2D4G Seismograph & Accessories
$ 297.35	Sales Tax (7.825 %)
$ 4,097.35	Total Purchase Price (Less Shipping & Handling)

Please Note: There are Additional Charges for Shipping & Handling.

Current Annual Seismograph Calibration Fee

$ 350.00 Annual Calibration Fee

Please Note: There are Additional Charges for Shipping & Handling.

On-Site Seismograph & Software Training for the Client Personnel at their Lake Ozark, MO WWTP Facility

$ 900.00 Quoted Price for the On-Site Training