

**OSAGE BEACH / LAKE OZARK
JOINT SEWER BOARD MEETING AGENDA
September 20, 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

3. MINUTES

Regular Meeting; August 16, 2016

PAGE NUMBERS

3-4

4. REPORTS

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Income & Expense Summary	23
Check Registers & Bank Statements	25-28
 Alliance Report of Operations	 29-44
Approval of Flow Chart	

5. OLD BUSINESS:

A. Discussion and possible action on Oxidation Ditch Project.

6. NEW BUSINESS:

A. Discussion and possible action regarding the Award of Audit Services. 45

7. ADDITIONAL DISCUSSION ITEMS

8. ADJOURNMENT

THE NEXT MEETING WILL BE OCTOBER 18, 2016, 4:00 PM @ LAKE OZARK CITY HALL

LAKE OZARK-OSAGE BEACH
JOINT SEWER BOARD
MEETING MINUTES-AUGUST 16, 2016

CALL TO ORDER:

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-Gary Murawski-Arrived late
Alderman, Osage Beach-Ron Schmitt-Present
Public Work Director, Osage Beach, Nick Edelman-Present
Public Works Director, City of Lake Ozark, Matt Michalik-Present
Resident Member, Mr. Gary Hamner-Present

MINUTES:

Resident Hamner requested the Meeting Minutes of July 19th be amended to clarify Section C regarding the Plant Pre-Blast Inspection. The consensus was to wait until the Quarry was closer to opening before making any firm decision. Resident Hamner made a motion to approve the meeting minutes of July 19th, 2016 with the amendment. Seconded by Public Works Director Michalik. Motion passed unanimously.

REPORTS:

Resident Hamner made a motion to approve the Bills List, seconded by Public Works Director Edelman. Motion passed unanimously.

Alliance Report of Operations report noted the average daily incoming flow for July was 2.193 mgd. They had 8.7 inches of precipitation measured at the WWTP in July.

Operationally the plant's discharge was excellent, with an effluent monthly average BOD of 1.7 mg/l and TSS of 1.6 mg/l respectively for July, which represents a 99 + % or better removal.

The MLSS average for both aeration basins was 3,360 mg/l in July. The total dry weight sludge inventory for July totaled 175,618 pounds. There were 28 tanker loads or 103,600 gallons of bio solids land applied in July. They also received 46 tanker loads or 111,000 gallons of septage for the month of July.

In addition, the results were received for the Annual WET test of the 5th of July and passed with 100% survival on both species.

The results for the Annual in-house DMRQA Study 36 on the 26th of July were received and had acceptable results in all parameters.

Mayor Franzeskos asked for a motion to approve the Flow Chart. Motion made by Mayor Olivarri, seconded by Alderman Murawski. Motion passed unanimously.

OLD BUSINESS: NONE

NEW BUSINESS:

- A. Discussion of Bid Package for Cleaning of Oxidation Ditch. Gary Hutchcraft requested approval from the Board to move forward with the publication for accepting bids on the removal, disposal and testing of the Grit in #1 oxidation ditch. Bids would be accepted until 1:00pm, Friday, September 16, 2016 at which time they would be publically opened at the Lake of the Ozarks Regional Wastewater Treatment Plant #1. Motion was made by Public Works Director Michalik, seconded by Public Works Director Edelman. Motion passed unanimously.

ADJOURNMENT: Public Works Director Michalik made a motion to adjourn at 4:12pm, seconded by Public Works Director Edelmann. Motion passed.

APPROVED ON:

Mayor Johnnie Franzekos

City Clerk, Kimberly Baker

JOINT SEWER BOARD
BILL LIST
SEPTEMBER 20, 2016

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:	\$ -
OPERATING FUND BILLS TO BE PAID:	\$ 38,321.51
EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:	\$ -
EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:	\$ -
TOTAL	\$ 38,321.51

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:

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

OPERATING FUND BILLS TO BE PAID:

Account	Check	Paid To:	Description:	Amount:
4185	3545	Ameren MO	August Service	\$ 8,627.17
4000	3546	Equipment Replacement Fund	Payment into ER Fund	\$ 3,467.17
4170	3547	Alliance Water Resources, Inc.	Management Fee	\$ 25,303.24
4020	3548	Alliance Water Resources, Inc.	Chlorine, calibration, T-Rod	\$ 280.28
4020	3549	Lake Sun Leader	Bid Oxidation Ditch	\$ 238.25
4020	3550	Mission Comm	Auto Dialer Yrly Software Fee	\$ 407.40
				\$ -
				\$ -
			TOTAL	\$ 38,321.51

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
 ■ 1.877.428.3736
 ■ 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 09/08/2016

Total Electric Charges \$8,573.54

Total Amount Due \$8,573.54



Stay informed about your energy usage
 anytime. Go to AmerenMissouri.com and
 create an account. It's simple and free!

AMOUNT DUE \$8,573.54

Due Date 09/29/2016

Amount After Due Date \$8,702.14

Previous Statement \$10,032.80

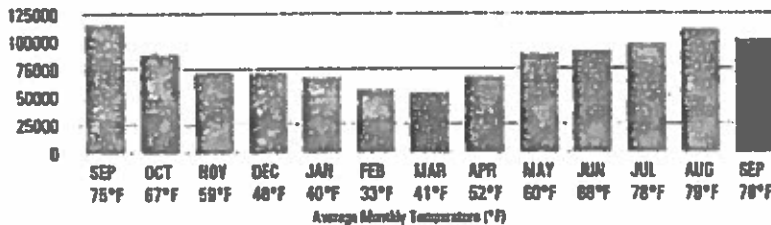
Total Payments \$10,032.80

Payment Received. Thank You!

Your energy statement is changing! For your convenience, we have
 extended this due date to match the delinquent date. Payment must
 be received by the due date to avoid any applicable late fees. Learn
 more at AmerenMissouri.com/statement.

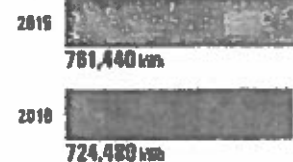
Electric Usage History

Electric Usage in Kilowatt Hours (kWh)



Electric Usage Summary (kWh)

So far this year, you're using 4.8% less than last year.



Usage from Jan-Sep for 2015 & 2016

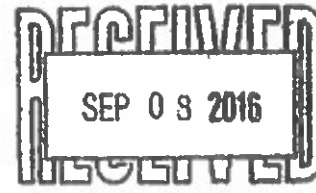
» See next page for service details.

Keep this portion for your records.

Please return this portion with your payment.



☐ Check if you have address changes on back.



Page 1 of 4

Amount Due	Due Date
\$8,573.54	09/29/2016
Delinquent Amount After Due Date	Account Number
\$8,702.14	4580005832

Amount Enclosed \$

>000024 2220593 0001 092134 102

ALLIANCE WATER RESOURCES INC
 PO BOX 1885
 LAKE OZARK, MO 65048-1885

AMEREN MISSOURI
 PO BOX 88088
 CHICAGO IL 60680-1088

80600000 0045800058302 000008573540 000008573540



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 1.877.426.3736
 PO Box 790352 St. Louis, MO 63178-0352
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Electric Service Details

Service from 08/07/2016 - 09/06/2016 (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	08/07 - 09/06	30	Total kWh	Actual	36848.0800	35217.0000	631.9000	160.0000	100960.0000
11673321	08/07 - 09/06	30	Total kWh	Actual	1.0150	0.0000	1.0150	160.0000	162.4000

Usage Summary

Total kWh	100960.0000	Peak kW	162.4000
Billing Demand	162.4000	Total Billing Demand	162.4000

Rate 3M Large General Service

DESCRIPTION	USAGE	UNIT	RATE	CHARGE
Demand Charge	162.40	kW	@ \$ 4.83000000	\$784.39
Energy Charge/Hours Used	24,360.00	kWh	@ \$ 0.10340000	\$2,518.82
Energy Charge/Hours Used	32,480.00	kWh	@ \$ 0.07780000	\$2,528.94
Energy Charge/Hours Used	44,120.00	kWh	@ \$ 0.05230000	\$2,307.48
Customer Charge				\$92.65
Fuel Adjustment Charge	100,960.00	kWh	@ \$-0.00002000	\$-2.02
Energy Efficiency Program Charge	100,960.00	kWh	@ \$ 0.00000000	\$0.77
Energy Efficiency Investment Charge	100,960.00	kWh	@ \$ 0.00261800	\$264.31
Total Service Amount				\$8,573.54
Total Electric Charges				\$8,573.54

Payments Since Previous Statement

DATE RECEIVED	AMOUNT
August 22, 2016	\$10,032.80

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

Page 2 of 4

Address Changes or Corrections

Name _____
 Address _____
 City, State, Zip _____
 Phone Number _____

AmerenMissouri.com/WaysToPay



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866.268.3729



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 PAYSTATION



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PO Box 790352 St. Louis, MO 63179-0352
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Account Number 5580005920
Customer Name ALLIANCE WATER RESOURCES INC
Service Address 3 ANDERSON RD
LAKE OZARK, MO 65048

Current Detail for Statement 09/08/2016

Total Electric Charges \$53.63

Total Amount Due \$53.63



Stay informed about your energy usage anytime. Go to AmerenMissouri.com and create an account. It's simple and free!

AMOUNT DUE \$53.63

Due Date 09/28/2016

Amount After Due Date \$54.43

Previous Statement \$1,133.99

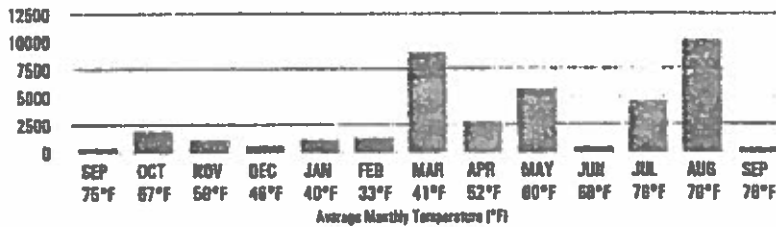
Total Payments \$1,133.99

Payment Received Thank You

Your energy statement is changing! For your convenience, we have extended the due date to match the disbursement date. Payment must be received by the due date to avoid any applicable late fees. Learn more at AmerenMissouri.com/statement.

Electric Usage History

Electric Usage in Kilowatt Hours (kWh)



Electric Usage Summary (kWh)

This shows how much electric energy you've used this year compared to last year.



Usage from Jan-Sep for 2015 & 2016

See next page for service details.

Keep this portion for your records.

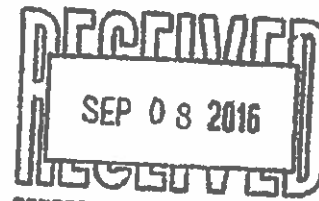
Please return this portion with your payment.



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>000123 2220593 0001 092139 102

ALLIANCE WATER RESOURCES INC
PO BOX 1885
LAKE OZARK, MO 65048-1885



Page 1 of 4

Amount Due	Due Date
\$53.63	09/28/2016
Delinquent Amount After Due Date	Account Number
\$54.43	5580005920

Amount Enclosed \$

AMEREN MISSOURI
PO BOX 88068
CHICAGO IL 60680-1068

10633000 0055800059200 000000053630 000000053630



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 PO Box 790352 St. Louis, MO 63179-0352
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Electric Service Details Service from 08/07/2016 - 09/06/2016 (30 days)

Electric Meter Read

METER NUMBER	SERVICE FROM - TO	T.C. DAYS	USAGE TYPE	READING TYPE	CURRENT READING	PREVIOUS READING	READING DIFFERENCE	MULTIPLIER	USAGE
98041275	08/07 - 09/06	30	Total kWh	Actual	12970.0000	12940.0000	30.0000	10.0000	300.0000
98041275	08/07 - 09/06	30	Peak kWh	Actual	1.0000	0.0000	1.0000	10.0000	1.0000

Usage Summary

Total kWh 300.0000

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

Threshold - Peak Demand

DESCRIPTION	USAGE	UNIT	RATE	CHARGE
Total Energy Charge	300.00	kWh	@ \$ 0.10810000	\$32.43
Customer Charge				\$20.43
Pool Adjustment Charge	300.00	kWh	@ -\$0.00002000	-\$0.01
Energy Efficiency Program Charge	300.00	kWh	@ \$ 0.00040000	\$0.12
Energy Efficiency Investment Charge	300.00	kWh	@ \$ 0.00221200	\$0.68
Total Service Amount				\$53.63
Total Electric Charges				\$53.63

Payments Since Previous Statement

DATE RECEIVED	AMOUNT
August 22, 2016	\$1,133.99

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

Page 2 of 4

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 Address _____
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PAYSTATION](http://AMERENMISSOURI.COM/PAYSTATION)



ONLINE
CREDIT CARD



MAIL
STUB & CHECK

Alliance Water Resources, Inc.
Professional Water and Wastewater Operations
 208 South Keene Street
 Columbia, Missouri 65201
 (573) 874-8080 Fax (573) 443-0833

INVOICE

Invoice No: 7048

SOLD TO:

1-Sep-16

Lake Ozark/Osage Beach Joint Utility Board
 c/o Karri Bell
 City of Osage Beach
 1000 City Parkway
 Osage Beach, MO 65086

Customer No: 20220

Terms: 30 days

REFERENCE	DESCRIPTION	AMOUNT
	Wastewater Plant operating service for month of: Sep-16 Base Fee	\$25,303.24
TOTAL DUE		\$25,303.24

SOLD TO:
Lake Ozark/Osage Beach Joint Utility Board
c/o Karli Bell
City of Osage Beach
1000 City Parkway
Osage Beach, MO 65065

Invoice No:	7047
Invoice Date:	1-Sep-16
Customer No:	20220
Terms:	30 days

TOTAL DUE	\$280.28
------------------	-----------------

1830 Craig Park Court
St. Louis, MO 63148

Invoice # F931719
Invoice Date 8/05/16
Account # 116902
Sales Rep STEVEN BURKE
Phone # 673-348-1273
Branch # 138 Osage Beach, MO
Total Amount Due \$225.70

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

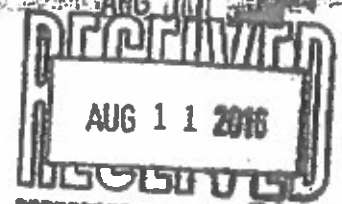
6821480418 E0397 10600 D1828300558 52 P3420598 0002:0002



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

Shipped to:

CUSTOMER PICK-UP -



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 #
8/04/16	8/04/16	HTH	HTH			YOUR TRUCK	F931719

Product Code	Description	Quantity		B/O	Price	UM	Extended Price
		Ordered	Shipped				
96CHL100	100# DRUM GRANULAR CHLORINE	1	1		210.00000	EA	210.00

GL Acct#: 6705-20 \$20.70 1220-20 \$05.00 4020
Signature: *[Signature]*
Date: 8/11/16

Paperless Billing
- Expedites delivery.
- Save trees.
- Go GREEN.

Register Now for Our New Customer Portal

Online ADVANTAGE

www.hdswaterworks.com

HD SUPPLY WATERWORKS

Local Knowledge
Local Experience
Local Service, Nationwide

Freight: Delivery: Handling: Restock: Misc:

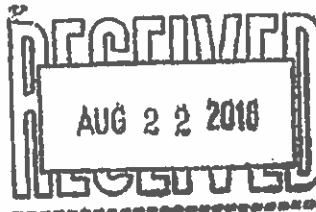
Special: 0.00
Other: 0.00
Tax: 15.70
Invoice Total: \$225.70

Terms: NET 30

Ordered By: GARY

This transaction is governed by and subject to HD Supply Waterworks' standard terms and conditions, which are incorporated by reference and accepted. To review these terms and conditions, please visit: www.waterworks.hdsupply.com/TandC.

TG Technical Services
P.O. Box 775
Lees Summit, MO 64063



Invoice

Date	Invoice #
5/9/2016	11665

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

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

P.O. No.	Terms	Rep	Ship Via	FOB
Gary H	Net 30	BK	Federal Express	PP & A

Ordered	Item	Description	Amount - Each	Total Amount
1	TG-34SG-IH	3-4 Gas Instrument Calibration - In House Drager X-am 2000	105.00	105.00T
1	Shipping	SN# EREK-0042 Shipping and Handling Fee 750011615140188	13.95	13.95T
GL Acct#: <u>6705-20168.66</u> <u>1220-20159.48</u> 4020 Signature: <u>[Signature]</u> Date: <u>8/22/16</u>				
Subtotal			\$118.95	
Phone #	Fax #	E-mail	Sales Tax (7.725%)	
816-524-8100	816-278-5536	julia@tgtechservices.com	\$9.19	
Total			\$128.14	



Remit to
Fastenal Company
P.O. Box 1286
Winona, MN 55987-1286

INVOICE

Page 1 of 1

Cust. No. MOCAM0383
Cust. P.O. Gary
Job No.
Contract No.

For billing questions
5703 Osage Beach Parkway
OSAGE BEACH, MO 65065

Invoice Date
07/27/2018

Invoice No.
MOCAM44577

Invoice Total
130.45 USD

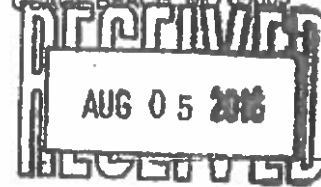
Phone 573/302-7688
Fax 573/302-7672

Due Date
08/28/2018

Sold To

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

Ship To
Picked up at branch
5703 Osage Beach Parkway
OSAGE BEACH, MO 65065



This Order and Document is subject to the "Terms of Purchase" posted on www.fastenal.com

Line No	Quantity Ordered	Quantity Shipped	Quantity Backordered	Description	Control No.	Part No.	Price / Hundred	Amount
1	2	2	0	T-ROD 1/2-8 3/4-10X8"	210100127	47408	6.013.0000	120.28 T

GL Acct#: 6705-20 \$70.32 1220-20 \$60.13 4020
Signature: Gary Hutchcraft
Date: 8/5/16

Received By

Tax Exemption

Comments

Contact: Gary Hutchcraft

Subtotal	120.28
Shipping & Handling	0.00
MO State Tax	5.08
County Tax	1.50
City Tax	3.61
Total	130.45

Reasonable collection and attorneys fees will be assessed to all accounts placed for collection.

No materials accepted for return without our permission.
All discrepancies must be reported within 10 days.

If you re-package or re-sell this product, you are required to maintain integrity of Country of Origin to the consumer of this product.

Please pay from this invoice.

Invoice: MOCAM44577 Cust: MOCAM0383

5018217-03-0059801



Remit to
Fastenal Company
P.O. Box 1288
Winona, MN 55987-1288

INVOICE

Page 1 of 1

Cust. No. MOCAM0383
Cust. P.O. GARY
Job No.
Contract No.

For billing questions
5703 Osage Beach Parkway
OSAGE BEACH, MO 65085

Invoice Date
07/26/2016

Invoice No.
MOCAM44554

Invoice Total
120.77 USD

Phone 573/302-7888
Fax 573/302-7672

Due Date
08/25/2016

Sold To

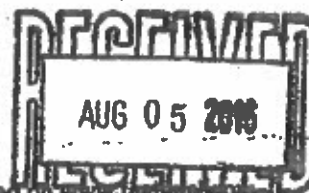
0019247 01 MB 0.416 **AL70 TB 0 1047 65049-1-19285



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



Ship To
Picked up at branch
5703 Osage Beach Parkway
OSAGE BEACH, MO 65085



This Order and Document is subject to the "Terms of Purchase" posted on www.fastenal.com

Line No	Quantity Ordered	Quantity Shipped	Quantity Backordered	Description	Control No.	Part No.	Price / Hundred	Amount
1	1	1	0	T-ROD 18-8 3/4-10X8'	210038794	47409	6,013.0000	60.13 T
2	30	30	0	3/4"-10 S/S FHN	210104943	1170717	128.0000	38.40 T
3	10	10	0	3/4"-10 S/S FHN	210100378	1170717	128.0000	12.80 T

GL Acct#: 6705-20⁴65.10 1220-20⁴55.674020

Signature: [Signature]

Date: 8/5/16

Received By

Tax Exemption

Comments

Contact: GARY

Subtotal	111.33
Shipping & Handling	0.00
MO State Tax	4.71
County Tax	1.39
City Tax	3.34
Total	120.77

Reasonable collection and attorneys fees will be assessed to all accounts placed for collection.

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All discrepancies must be reported within 10 days.

If you re-package or re-sell this product, you are required to maintain integrity of Country of Origin to the consumer of this product.

Please pay from this invoice.

Invoice: MOCAM44554 Cust: MOCAM0383

0019247-01-003612

Lake Sun

GateHouse Media

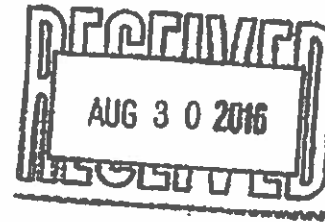
LAKE SUN LEADER

GATEHOUSE MEDIA MO HOLDINGS, INC.
Legal Advertising Invoice

918 N. Business Route 5
Camdenton, MO 65020-0980
573-317-8151 FAX 573-346-4508

JOINT SEWER BOARD
PO BOX 1985
LAKE OZARK, MO 65049

RE: BID- OXIDATION DITCH PROJECT
PN: 19966
ACCT# 86691



AFFIDAVIT OF PUBLICATION (State of Missouri)

) SS
(County of Camden)
I, TOM BOOKSTAYER, BEING DULY SWORN ACCORDING TO
LAW, STATE THAT I AM (PUBLISHER) OF THE
LAKE SUN LEADER, A DAILY NEWSPAPER OF GENERAL
CIRCULATION IN THE COUNTY OF CAMDEN, MISSOURI,
WHERE LOCATED; WHICH HAS BEEN ADMITTED TO THE
POST OFFICE AS PERIODICAL MATTER IN THE CITY OF
CAMDENTON, THE CITY OF PUBLICATION; WHICH
NEWSPAPER HAS BEEN PUBLISHED REGULARLY AND
CONSECUTIVELY FOR A PERIOD OF THREE YEARS AND
HAS A LIST OF BONAFIDE SUBSCRIBERS VOLUNTARILY
ENGAGED AS SUCH WHO HAVE PAID OR AGREED TO PAY
A STATED PRICE FOR A SUBSCRIPTION FOR A DEFINITE
PERIOD OF TIME, AND THAT SUCH NEWSPAPER HAS
COMPLIED WITH THE PROVISIONS OF COMMITTEE
SUBSTITUTE FOR SENATE BILL 39 ENACTED BY THE
FIFTY-NINTH GENERAL ASSEMBLY OF THE STATE OF
MISSOURI. THE AFFIXED NOTICE APPEARED IN SAID
NEWSPAPER ON THE FOLLOWING CONSECUTIVE WEEKS
(ISSUES).

FROM: 08/26/2016
VOL 137 NO 166

TO: 08/26/2016
DAY OF AUGUST 26, 2016

SIGNED: _____
TOM BOOKSTAYER (PUBLISHER)

PUBLICATION FEE DUE: \$ 236.25
SUBSCRIBED AND SWORN TO BEFORE ME THIS
26 DAY OF AUGUST, 2016.

SIGNED: _____ (NOTARY PUBLIC)
REBECCA MOOS
NOTARY PUBLIC STATE OF MISSOURI, CAMDEN COUNTY

MY COMMISSION EXPIRES MAY 15, 2020

Payment is due upon receipt of this invoice.
Proof of Publication is available on or after the last day of publication.
After payment is received, signed & notarized affidavit will be issued.



Mission Communications, LLC

3060 C Business Park Dr.
Norcross, GA 30071-5400

Phone: 678-969-0021

Fax: 678-969-0541

INVOICE

Invoice Date

9/7/2016

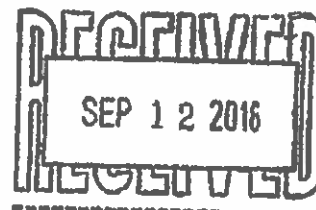
Invoice Number

1004158

Bill To

The Joint Sewer Board
Accounts Payable/Gary Hutchcraft
P. O. Box 1885
Lake Ozark, MO 65049

Ship To



CUSTOMER PO			END USER		SHIPPING METHOD		DUE DATE	
Annual Service							10/7/2016	
S.O. No.			SALES REP ID	TERRITORY	SHIP DATE		PAYMENT TERMS	
			HK C	C	9/7/2016		Net 30	
QTY	Item	Description	Serial No.	Unit Name	Svc. Start	Svc. End	Unit Price	Extension
1	SP110-12RX	Service Package - M110 Series With Option Board - 1 year, NON-SHIP, Renewal.	689MIS9752	Waste Water Treatmen...	10/1/2016	9/30/2017	407.40	407.40

Please make checks payable to Mission Communications, LLC

For your convenience Mission accepts credit cards. Card payments received within (7) days of the invoice date will avoid the 3% credit card processing fee.

If you have any questions concerning this invoice please contact our accounting department, 877-993-1911 option 5, accounting@123mc.com

Subtotal	USD 407.40
Sales Tax (0.0%)	USD 0.00
Payment Received	USD 0.00
Balance Due	USD 407.40

Mission provides this service according to the published provisions under Mission's customer service agreement and terms of use.

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

Account Number	Account Name	8/31/2016				2016 Actual as of 8/31/2016	2016 August Revenue	Percent YTD
		2014 Actual	2015 Actual	2016 Budget	2016 Actual			
3020	Osage Beach	464,343.06	477,172.03	473,000.00		316,186.04	39,967.95	67%
3010	Lake Ozark	85,716.93	72,827.98	77,000.00		50,480.62	5,865.38	66%
3100	Interest	31.18	54.79	45.00		100.21	34.44	223%
3060	Waste Haulers' Fee	34,340.00	32,400.00	35,000.00		23,300.00	4,060.00	67%
Total Operating Fund		584,431.17	582,454.80	585,045.00		390,066.87	49,927.77	67%
E/R Fund Income		1,025.06	2,188.83	1,000.00		1,049.82	69.36	105%
TOTAL INCOME		585,456.23	584,643.63	586,045.00		391,116.69	49,997.13	67%

**MONTH-TO-DATE AND YEAR-TO-DATE
EXPENDITURE/BUDGET ANALYSIS
8/31/2016**

Account Number	Account Name	2014 Actual	2015 Actual	2016 Budget	2016 Actual as of 8/31/2016	2016 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	0.00	0.00	0.00	0.00	0.00	
4020	*Maintenance & Repair	58,873.44	33,878.90	114,500.00	14,898.02	2,494.40	13%
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	866.43	411.03	11%
4160	Haulers Fees to Contractor	8,000.00	8,000.00	8,000.00	8,000.00	600.00	100%
4170	Contract Management	288,445.08	296,233.08	305,120.00	202,425.92	25,303.24	66%
4185	Electric	70,366.40	76,751.19	77,000.00	49,910.23	11,166.59	65%
4190	Bank Charges	0.00	0.00	0.00	14.85	0.00	0%
4200	Audit	1,900.00	2,000.00	2,100.00	2,158.50	58.50	103%
4220	Professional Service	43,038.41	2,369.99	15,000.00	9,193.09	0.00	61%
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	332,181.40	43,500.93	69%
	**E/R Expenses	9,429.93	1,869.72	25,500.00	2,980.42	1,150.42	12%
	TOTAL EXPENSES	547,347.46	480,523.70	695,826.04	335,161.82	44,651.35	48%
**Equipment & Replacement					*Maintenance & Repair		
Normal E/R		10,000.00			Auto Dialer Yrly Software Fee	500.00	
Replace impellers for RAS pumps		8,500.00			To be determined.	5,000.00	
Rebuild Arm Support Clarifier #2		5,000.00			Normal Maintenance	8,000.00	
Replace doors		2,000.00	X		UV Spare Parts	8,000.00	X
		<u>25,500.00</u>			Rock for Road	2,000.00	
***Vehicle Repair/Maint					Strip and refinish tile in Admin Bldg	1,000.00	
Vehicle Maintenance		3,000.00			#1 Aeration Basin grit removal	90,000.00	
Tires for Sludge Truck		<u>5,000.00</u>				<u>114,500.00</u>	
		<u>8,000.00</u>					

OPERATING FUND INCOME AND EXPENSE SUMMARY
8/31/2016

Beginning Balance	230,659.91
Income - Osage Beach	39,967.95
Income - Lake Ozark	5,865.38
Income - Other	0.00
Income - Waste Haulers' Fees	4,060.00
Interest - Checking	34.44
Income - CD Interest	0.00
Transfers From E/R Fund	0.00
Transfers to E/R fund	-3,467.17
Expenses	-40,033.76
Ending Fund Balance	237,086.75
Central Bank - NOW Acct.	87,030.06
First Bank of the Lake - Money Mkt.	100,056.69
CD St. Elizabeth, 3/17 #400886	50,000.00
Outstanding Checks:	0.00
Deposit in Transit:	0.00
	237,086.75

EQUIPMENT REPLACEMENT FUND INCOME AND EXPENSE SUMMARY
8/31/2016

Beginning Balance	474,204.88
Interest - Checking	69.36
Income - CD Interest	0.00
Transfers From E/R Fund	0.00
Transfers to E/R Fund	3,467.17
Income - Miscellaneous	0.00
Expenses	-1,150.42
Ending Fund Balance	476,590.99
First Bank of the Lake - Money Mkt.	124,920.45
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
	476,590.99

Operating Fund
CHECK REGISTER - JOINT SEWER BOARD OPERATION FUND

	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
3529	First Bank of the Lake	X	100,000.00		83,455.49
3530	Ameren MO	X	9,617.62	-	73,837.87
3531	Equipment Replacement Fund	X	3,467.17		70,370.70
3532	Alliance Water Resources, Inc.	X	25,303.24		45,067.46
3533	Alliance Water Resources, Inc.	X	1,500.00		43,567.46
3534	Alliance Water Resources, Inc.	X	296.16		43,271.30
3535	Alliance Water Resources, Inc.	X	1,620.32	-	41,650.98
3536	Zerger & Mauer LLP	X	9,193.09		32,457.89
	Deposit LO	X	-	6,292.58	38,750.47
	Deposit OB	X		39,540.75	78,291.22
	Deposit	X		4,440.00	82,731.22
	Interest	X		3.52	82,734.74
	reconciled balance 7/31/16				82,734.74
3537	Gerding, Korte & Chitwood	X	2,100.00		80,634.74
3538	Ameren MO	X	11,166.59	-	69,468.15
3539	Equipment Replacement Fund	X	3,467.17		66,000.98
3540	Alliance Water Resources, Inc.	X	25,303.24		40,697.74
3541	Alliance Water Resources, Inc.	X	600.00		40,097.74
3542	Alliance Water Resources, Inc.	X	677.25		39,420.49
3543	Ovivo USA LLC	X	2,228.18	-	37,192.31
3544	Lake Sun Leader	X	58.50		37,133.81
	Deposit LO	X	-	5,865.38	42,999.19
	Deposit OB	X		39,967.95	82,967.14
	Deposit	X		4,060.00	87,027.14
	Interest	X		2.92	87,030.06
	reconciled balance 8/31/16				87,030.06



Central Bank
of Lake of the Ozarks

MEMBER FDIC

P.O. Box 4500, 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 08/01/2016 - 08/31/2016 Page 1 of 3

Web Address
www.centralbank.net

M

Your Financial Summary on August 31, 2016

	Bank Deposits	Totals
Bank Deposit Accounts:		
Checking	\$ 87,030.06	
Bank Deposit Total		\$ 87,030.06
Total Assets:	\$ 87,030.06	\$ 87,030.06

Detailed Explanation of Account Balances and Other Assets

Basic Plus Interest Checking

No. 000007297	Beginning Balance July 29, 2016	\$ 82,734.74
Deposits		
Aug. 03	ST. OF MISSOURI VENDOR PAY	160.00
Aug. 17	Deposit	5,885.38
Aug. 17	Deposit	39,967.95
Aug. 26	Deposit	3,820.00
Aug. 31	ST. OF MISSOURI VENDOR PAY	80.00
Aug. 31	Interest Earned	2.92
Total		+\$ 49,896.25
Checks		
<u>Check No.</u>	<u>Date Paid</u>	<u>Amount</u>
3537	Aug 01	2,100.00
3538	Aug 23	11,166.59
3539	Aug 22	3,467.17
3540	Aug 18	25,303.24
<u>Check No.</u>	<u>Date Paid</u>	<u>Amount</u>
3541	Aug 18	600.00
3542	Aug 18	677.25
3543	Aug 22	2,228.18
3544	Aug 19	58.50
Total		-\$ 45,600.93
Ending Balance August 31, 2016		\$ 87,030.06

Number of days since last statement/interest cycle 31
Beginning and ending dates for calculation of statement/interest cycle are 08/01/2016 through 08/31/2016
Average collected balance 86,226.00
Interest rate 0.04%
Annual percentage yield earned 0.04%

JSB - CHECK REGISTERS 2016

CHECK REGISTER - JOINT SEWER BOARD EQUIPMENT REPLACEMENT FUND

				reconciled balance 5/31/16		115,496.83
		X		Interest	47.80	115,544.63
		X		Deposit	3,467.17	119,011.80
				reconciled balance 6/30/16		119,011.80
		X		Interest	80.54	119,092.34
		X		Deposit	3,467.17	122,559.51
				TRANS FROM BOLO	100,000.00	222,559.51
				reconciled balance 7/31/16		222,559.51
		X		Interest	100.88	222,660.39
		X		Deposit	3,467.17	226,127.56
1016		X	1,150.42	HD Supply Waterworks	-	224,977.14
				reconciled balance 8/31/16	-	224,977.14



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

536 00010 01
ACCOUNT:
DOCUMENTS:

1
116

59

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 ,

BUSINESS MONEY MARKET)

LAST STATEMENT 07/29/16 222,559.51
2 CREDITS 3,568.05
1 DEBITS 1,150.42
THIS STATEMENT 08/31/16 224,977.14

REF #.....DATE.....AMOUNT REF #.....DATE.....AMOUNT REF #.....DATE.....AMOUNT
08/19 3,467.17

DESCRIPTION DATE AMOUNT
INTEREST 08/31 100.88

CHECK #..DATE.....AMOUNT CHECK #..DATE.....AMOUNT CHECK #..DATE.....AMOUNT
1016 08/22 1,150.42

AVERAGE LEDGER BALANCE: 223,576.75 INTEREST EARNED: 100.88
AVERAGE AVAILABLE BALANCE: 223,156.48 DAYS IN PERIOD: 33
INTEREST PAID THIS PERIOD: 100.88 ANNUAL PERCENTAGE YIELD EARNED: .50%
INTEREST PAID 2016: 503.35

*** CONTINUED ***



NOTICE: SEE REVERSE SIDE FOR IMPORTANT INFORMATION





**OPERATING
DIVISIONS**

MISSOURI

Atchison County
Borine 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
Piatte 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 2016

Submitted by Alliance Water Resources, Inc. for the

September 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 Colonies/100 ml	Coliform	Ammonia as N mg/L	O&G mg/L	Metals Selenium ug/L
Monthly Average	1.2	0.8	NA	< 20		0.05	<5.0	
Peak Day	1.2	1.3	8.0	< 20		0.07	<5.0	
Percent Removal	99.3	99.6	NA	NA		NA	NA	NA

NPDES EFFLUENT LIMITATIONS

	BOD mg/l	TSS mg/l	pH	E.coli Colonies/100 ml	Coliform	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 1.934 MGD or 64% of Permitted flow with Lake Ozark contributing 14% of the total flow and Osage Beach contributing 86%. 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 90150 pounds of BOD.

BIOSOLIDS APPLICATION AND INVENTORY

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

335,951 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 486,875 gallons with a level of 6.0 feet in Tank 1 and 3.5 feet in Tank 2.

WASTEHAULERS

The plant received 43 loads of septage during the month totaling 96,000 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 left front leaf spring mount for the sludge truck finally came in sometime during the first week in September. Rohmer's garage said he also had to replace the bushing for it which had to be ordered and should have it done sometime during the week of the September 19th. He is also going to replace the support cushion boards that go between the tank and truck frame while he has it.

SAFETY

- We conducted our monthly routine Safety Meeting on Lockout/Tagout on the 11th of August.

REGULATORY AGENCY, INSPECTION AND REPORTS

- We filled out the EDMR on MDNR's website on the 9th of September.

MISCELLANEOUS AND RECOMMENDATIONS

- We would like to Thank Matt and the City of Lake Ozark for brush hogging both sides of the road coming into the plant. Many Thanks!
- We have attached our 2017 Capital Improvement items for consideration.
- We will be having our Bid opening for the Oxidation Ditch Project on the 16th of September and will bring a bid tabulation sheet to the Joint Sewer Board meeting for discussion and review.

TABLE A
LAKE OZARK/OSAGE BEACH WWTP

MONTH OF August 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-Aug	4.5	0.544	2.075	2.619	20.8	79.2						
2-Aug	0.6	0.584	2.818	3.402	17.2	82.8						
3-Aug	1.6	0.374	2.885	3.259	11.5	88.5						
4-Aug	0	0.330	2.167	2.497	13.2	86.8						
5-Aug	0	0.274	1.669	1.943	14.1	85.9	98	108	165	94	104	148
6-Aug	0	0.303	1.916	2.219	13.7	86.3						
7-Aug	0	0.323	1.779	2.102	15.4	84.6						
8-Aug	0.2	0.273	1.779	2.052	13.3	86.7						
9-Aug	0	0.230	1.638	1.868	12.3	87.7						
10-Aug	0	0.217	1.486	1.703	12.7	87.3						
11-Aug	0	0.223	1.522	1.745	12.8	87.2						
12-Aug	0	0.212	1.461	1.673	12.7	87.3	195	170	208	244	150	274
13-Aug	0.4	0.278	1.873	2.151	12.9	87.1						
14-Aug	0	0.293	1.684	1.977	14.8	85.2						
15-Aug	0	0.257	1.657	1.914	13.4	86.6						
16-Aug	0.1	0.212	1.642	1.854	11.4	88.6						
17-Aug	0	0.191	1.332	1.523	12.5	87.5						
18-Aug	0	0.190	1.346	1.536	12.4	87.6						
19-Aug	0	0.217	1.407	1.624	13.4	86.6	160	150	178	122	166	224
20-Aug	0	0.222	1.494	1.716	12.9	87.1						
21-Aug	0	0.248	1.582	1.830	13.6	86.4						
22-Aug	0	0.219	1.455	1.674	13.1	86.9						
23-Aug	0	0.185	1.343	1.528	12.1	87.9						
24-Aug	0.25	0.203	1.372	1.575	12.9	87.1						
25-Aug	0	0.205	1.379	1.584	12.9	87.1						
26-Aug	0	0.217	1.459	1.676	12.9	87.1	240	205	170	256	264	202
27-Aug	0	0.263	1.618	1.881	14.0	86.0						
28-Aug	0	0.280	1.758	2.038	13.7	86.3						
29-Aug	0	0.227	1.530	1.757	12.9	87.1						
30-Aug	0	0.193	1.363	1.556	12.4	87.6						
31-Aug	0	0.184	1.309	1.493	12.3	87.7						
SUM	7.7	8.171	51.798	59.969								
AVG		0.264	1.671	1.934	14	86	173	158	180	179	171	212
NOTE: BOLD PRINT INDICATES WEEKEND DAYS												

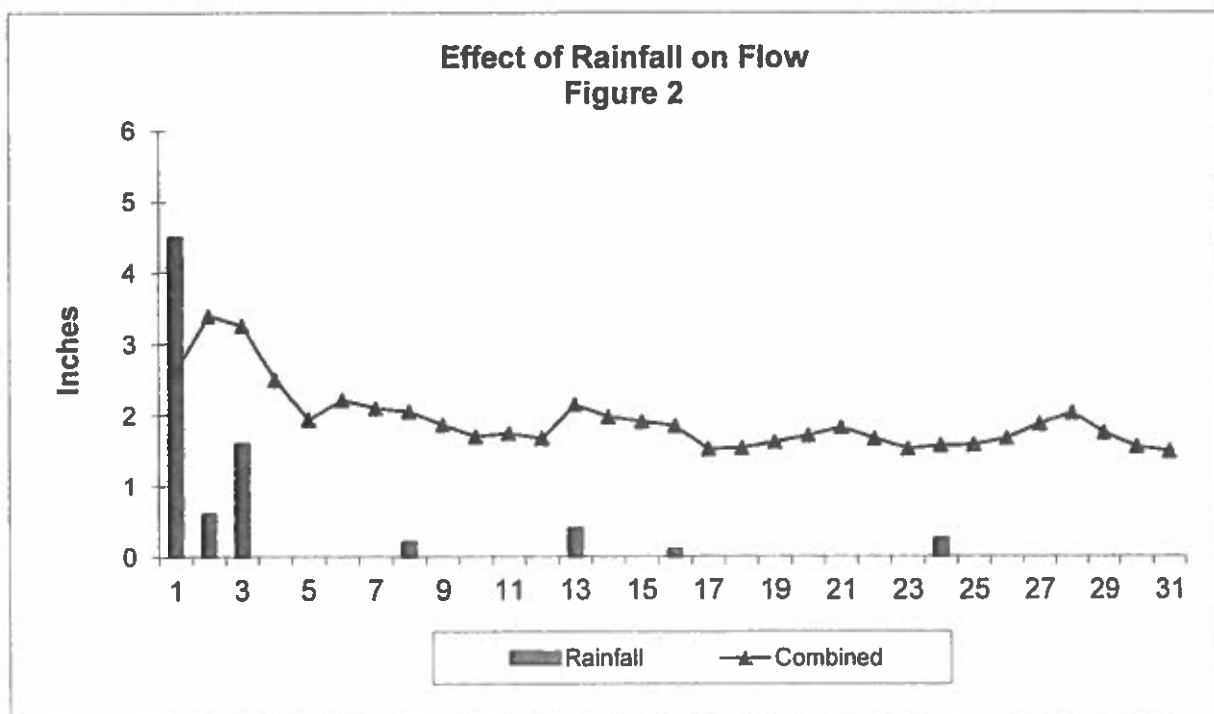
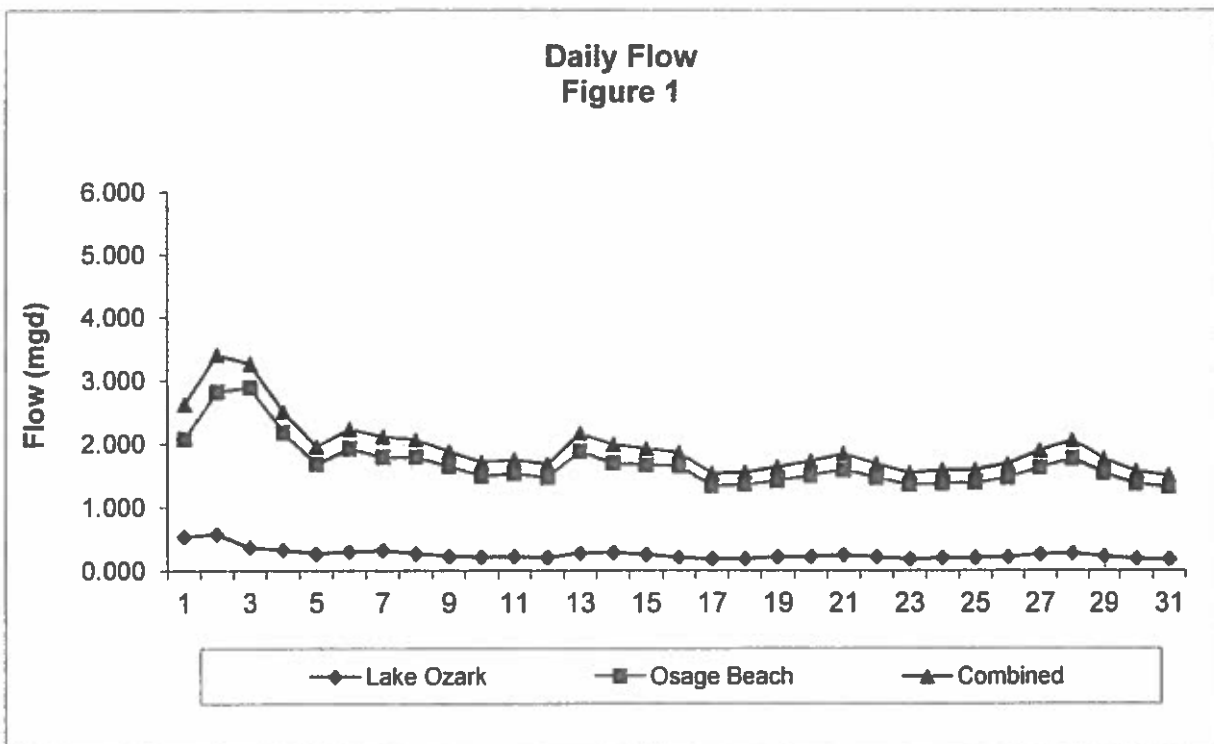


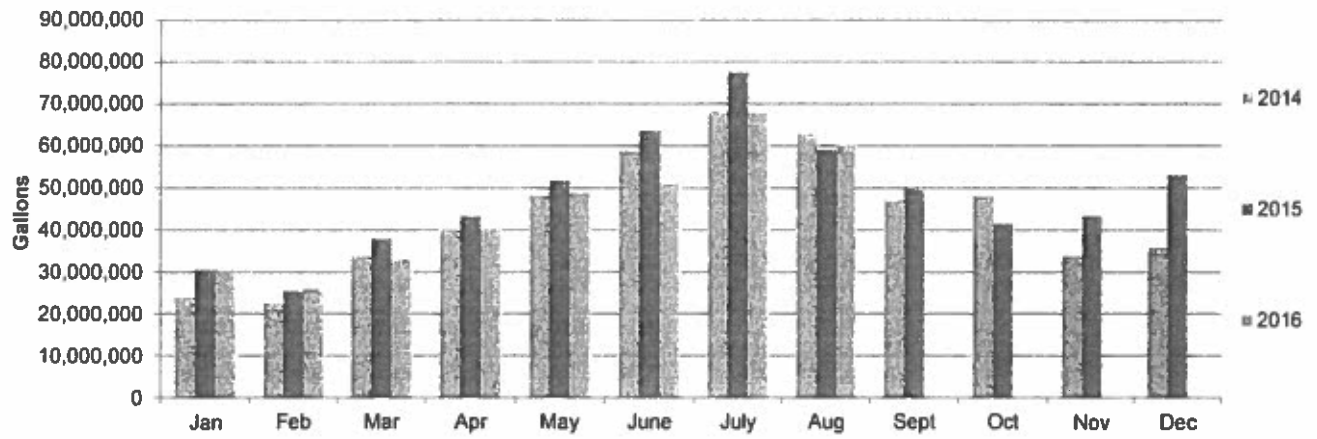
TABLE B
JOINT SEWER BOARD
Monthly Flows

<u>2014</u>	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
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%

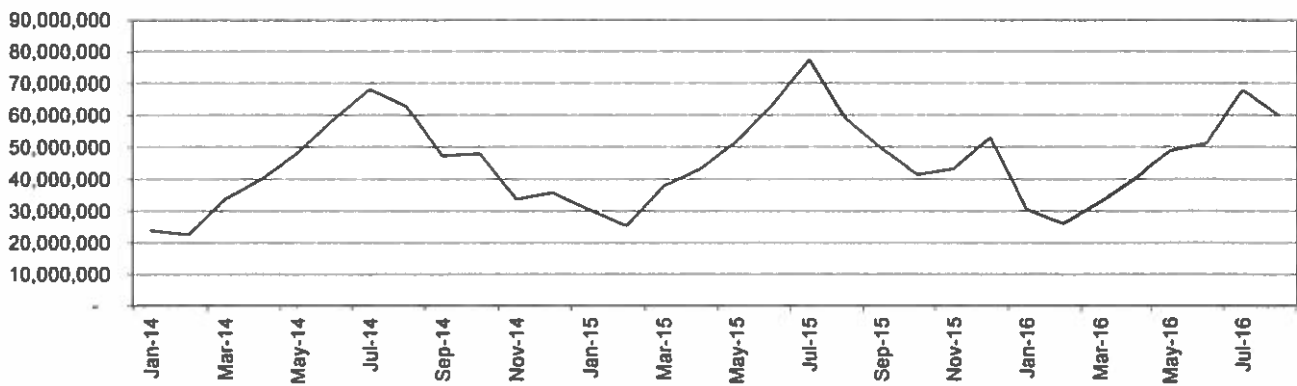
<u>2015</u>	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	0.9	26,319,000	87%	4,085,000	13%	30,404,000	100%
February	1.4	21,892,000	86%	3,465,000	14%	25,357,000	100%
March	4.5	32,996,000	87%	4,920,000	13%	37,916,000	100%
April	4.0	37,220,000	86%	5,945,000	14%	43,165,000	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%

<u>2016</u>	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
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	8.7	59,190,000	87%	8,793,000	13%	67,983,000	100%
August	7.7	51,798,000	86%	8,171,000	14%	59,969,000	100%
September							
October							
November							
December							
	34.5	310,599,000	87%	47,357,000	13%	357,956,000	100%

**Monthly Influent Flow
Figure 3A**

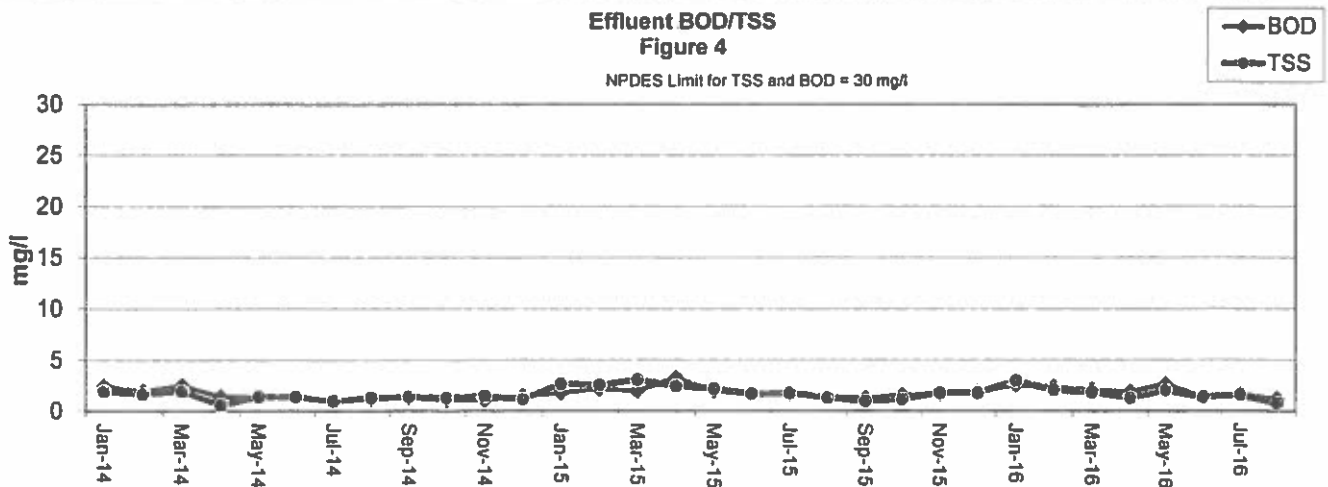


**Monthly Influent Flow
Figure 3B**

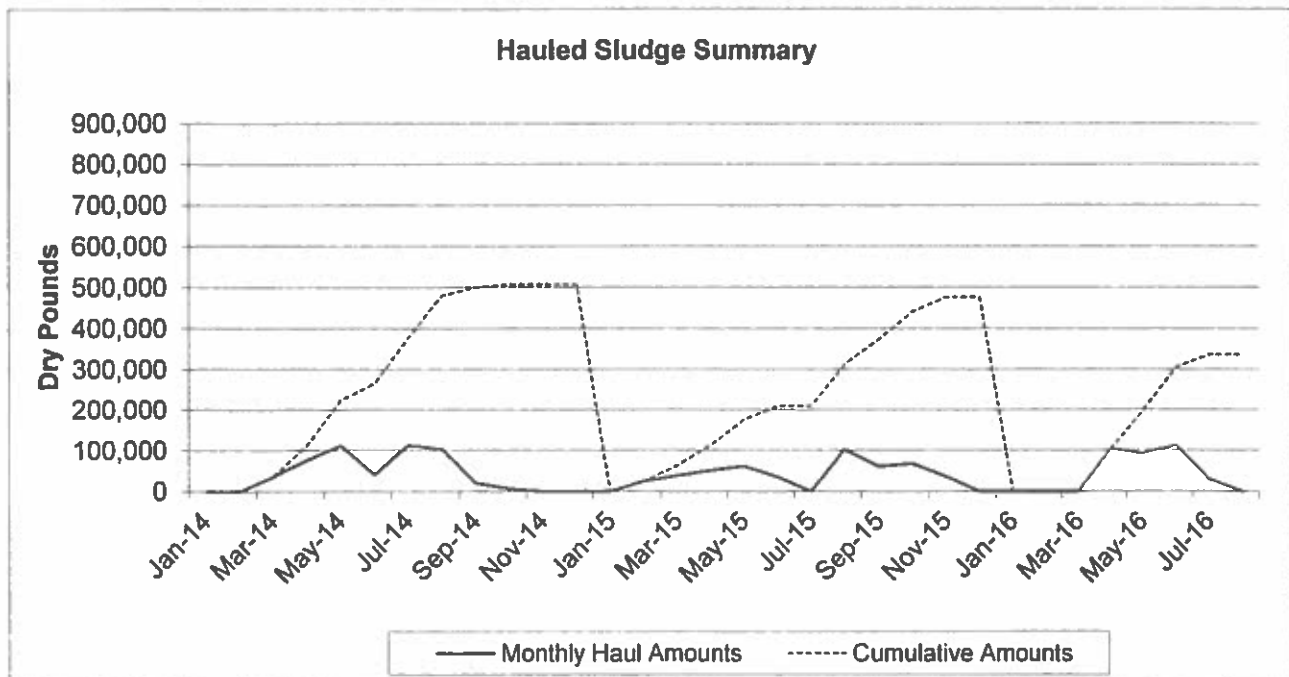
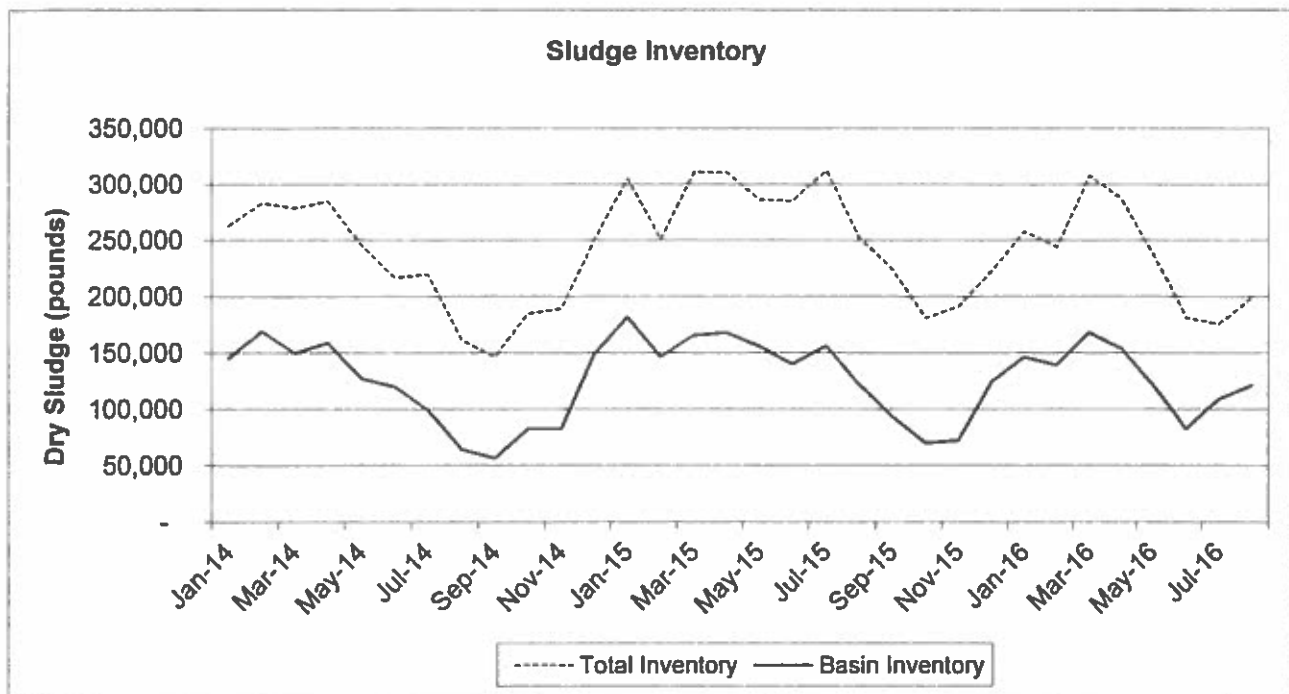


**Effluent BOD/TSS
Figure 4**

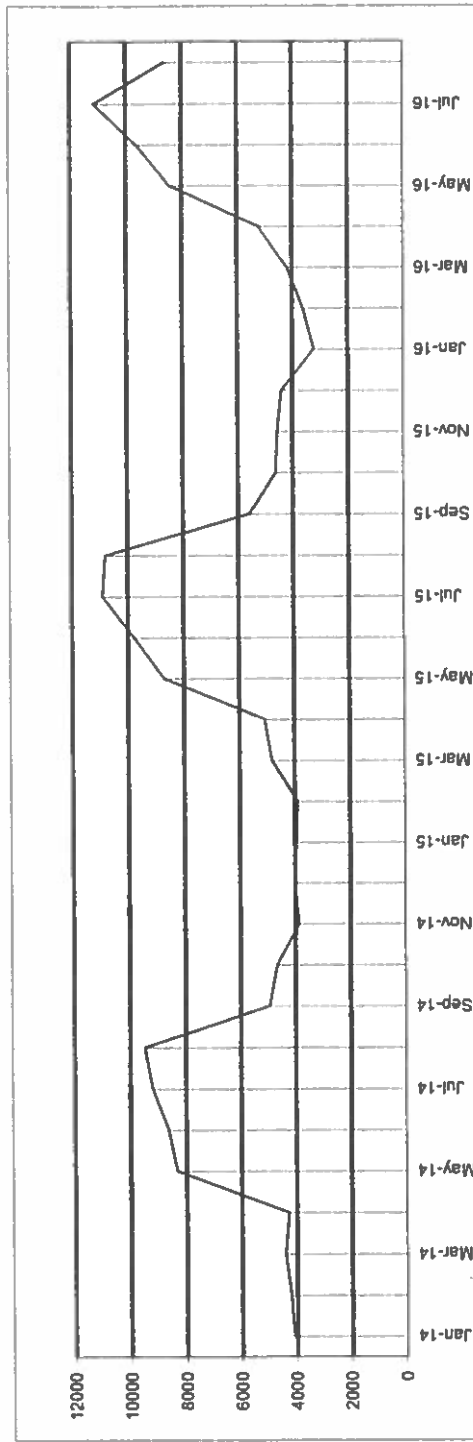
NPDES Limit for TSS and BOD = 30 mg/l



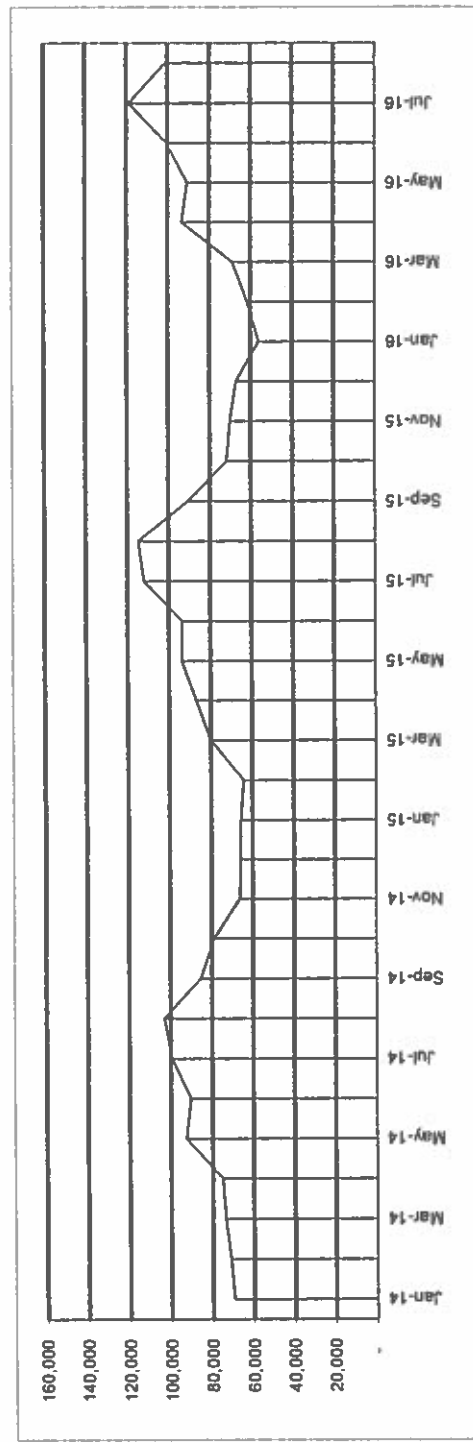
Loads	Gallons	Hauled Sludge		Annual Cumulative # Dry	Basin Depths			Blanket Depths		MLSS Inventory			Blanket and MLSS Inventory # Dry	MLSS % Solids	Total Dry		
		# Dry	% Solids		Tank #1	Tank #2	AB #1	AB #2	Clar #1	Clar #2	Clar #3	MLSS AB #1				MLSS AB #2	
Jan-14	0	-	0	4.3%	4.0	5.0	0.0	405,000	145,241	2.0	2.5	0.0	3,690	3,678,929	117,392	0.00383	282,633
Feb-14	0	-	0	4.3%	5.0	5.5	0.0	472,500	169,446	1.5	2.5	0.0	3,410	3,671,048	113,894	0.00372	283,341
Mar-14	29	107,300	35,703	4.0%	5.0	5.0	0.0	450,000	149,733	0.5	0.5	0.5	4,270	3,639,478	129,091	0.00425	278,734
Apr-14	65	240,500	77,178	3.8%	7.5	3.5	0.0	495,000	158,945	1.5	1.0	1.5	4,420	3,709,547	125,761	0.00407	284,606
May-14	96	355,200	111,613	3.8%	4.5	3.5	0.0	405,000	127,261	1.0	2.0	2.0	3,550	3,740,142	118,377	0.0038	245,638
Jun-14	41	191,700	40,455	3.2%	4.5	5.5	0.0	450,000	120,005	3.0	2.0	2.0	3,530	3,775,666	98,988	0.00308	218,991
Jul-14	117	432,800	112,292	3.1%	6.5	2.0	0.0	382,500	99,219	5.0	1.5	1.5	4,030	3,780,595	120,445	0.00382	219,664
Aug-14	107	395,900	480,212	3.1%	5.0	0.0	0.0	247,500	64,374	1.0	1.0	1.0	2,670	3,678,852	97,110	0.00317	161,484
Sep-14	17	82,900	19,811	3.8%	2.5	1.5	0.0	180,000	56,693	0.0	1.5	1.0	3,120	3,670,071	89,989	0.00294	146,682
Oct-14	5	16,500	6,789	4.4%	4.0	1.0	0.0	225,000	82,569	0.0	2.0	2.0	2,990	3,678,952	102,358	0.00348	189,341
Nov-14	0	-	0	4.4%	4.0	1.0	0.0	225,000	82,569	0.0	2.0	2.0	3,480	3,722,380	101,516	0.00327	250,135
Dec-14	0	-	0	4.4%	5.0	4.0	0.0	405,000	148,619	0.0	2.0	2.0	3,900	3,671,048	123,385	0.00403	305,030
Jan-15	0	-	24,069	3.9%	5.5	5.5	0.0	495,000	161,645	2.0	2.0	0.0	3,580	3,633,524	104,150	0.00344	250,518
Feb-15	20	74,000	125,800	3.6%	6.0	4.0	0.0	450,000	146,366	1.0	1.0	0.0	3,590	3,740,142	144,890	0.00485	310,595
Mar-15	34	125,800	38,603	3.7%	5.5	6.5	0.0	540,000	165,704	1.0	2.0	2.0	4,250	3,723,357	142,532	0.00459	310,393
Apr-15	44	162,800	50,607	3.7%	6.0	6.0	0.0	540,000	167,861	2.5	2.0	1.0	5,180	4,000	130,204	0.00407	286,049
May-15	55	203,500	61,284	3.8%	5.5	6.0	0.0	517,500	155,845	1.5	2.0	4.0	4,030	4,110	144,837	0.00459	284,798
Jun-15	35	129,500	35,024	3.2%	8.0	3.5	0.0	517,500	139,961	2.0	1.0	3.0	4,630	3,783,570	156,157	0.00507	312,282
Jul-15	0	-	0	3.9%	6.5	6.5	0.0	585,000	158,125	1.0	2.0	1.0	5,470	3,998,714	156,157	0.00507	312,282
Aug-15	107	395,800	102,356	3.1%	6.5	4.0	0.0	472,500	122,160	0.5	1.0	0.5	4,170	4,000	130,533	0.00429	252,693
Sep-15	55	203,500	60,420	3.7%	6.5	4.0	0.0	315,000	93,525	1.0	1.0	1.0	4,480	3,678,952	130,400	0.00425	223,925
Oct-15	59	218,300	67,949	3.7%	3.0	2.0	0.0	225,000	70,034	1.0	1.0	1.0	3,310	3,678,952	110,917	0.00362	180,952
Nov-15	30	111,000	35,734	3.9%	4.0	1.0	0.0	225,000	72,434	1.0	3.0	1.0	3,440	3,714,476	118,603	0.00384	191,237
Dec-15	0	-	0	3.9%	4.5	4.0	0.0	382,500	124,412	2.0	0.5	1.5	4,460	3,709,547	99,000	0.0032	223,412
Jan-16	0	-	0	3.9%	5.0	5.0	0.0	450,000	146,367	0.5	0.5	0.0	3,760	3,617,762	111,184	0.00369	257,551
Feb-16	0	-	0	3.9%	6.0	3.5	0.0	427,500	139,049	1.0	1.0	0.0	3,210	3,633,524	105,211	0.00347	244,260
Mar-16	0	-	0	3.9%	6.0	5.5	0.0	517,500	168,322	2.0	2.0	1.0	4,670	3,714,476	139,249	0.0045	307,571
Apr-16	86	318,200	103,652	3.9%	5.5	5.0	0.0	472,500	153,914	2.5	2.5	1.0	5,540	3,732,238	132,600	0.00426	286,515
May-16	77	284,900	91,185	3.8%	5.5	3.0	0.0	382,500	122,423	1.0	5.0	1.0	3,770	3,750,000	116,343	0.00372	238,766
Jun-16	99	368,300	111,706	3.7%	6.0	0.0	0.0	270,000	82,339	1.5	1.0	1.5	2,570	3,709,547	99,155	0.00321	181,494
Jul-16	28	103,600	29,408	3.4%	4.5	4.0	0.0	382,500	108,577	1.0	1.0	1.0	1,740	3,678,952	67,041	0.00219	175,618
Aug-16	0	-	0	3.4%	8.0	3.5	0.0	427,500	121,222	1.0	1.0	1.0	2,860	3,678,952	78,240	0.00255	199,462



Electric Cost



Kilowatts Used



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
Jul-16	11166	119,020
Aug-16	8627	101,260



**MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY**

Discharge Monitoring Report For Municipal Wastewater Treatment Plants

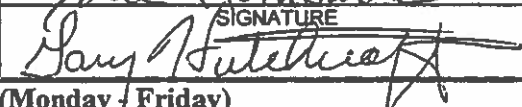
NAME OF FACILITY						LOCATION ADDRESS & CITY						COUNTY/REGION			
Lake of the Ozarks Regional WWTP #1						#3 Anderson Road						Miller/SWRO			
MONTH/YEAR		PERMIT NUMBER				OUTFALL NUMBER		TYPE TREATMENT FACILITY							
Aug-16		MO-0103241				#001		Oxidation Ditch/UV/Sludge Holding-sludge is land applied							
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			24.0	3.467	7.8				4.0		24.5			
2	7.4			23.9	3.496	7.9				4.9	< 20	24.8			
3	7.4			24.5	3.325	7.8				4.0		25.4			
4	7.6			24.2	2.525	7.8			0.06	5.3		25.5			
5	7.4	165	148	24.5	2.055	7.9	1.0	0.5		5.3		25.6	99.4	99.7	
6	7.4			23.8	2.251	7.9				5.5		25.2			
7	7.5			23.9	2.191	7.9				5.3		25.3			
8	7.3			24.1	2.162	7.9				5.0		24.9			
9	7.2			24.2	1.924	7.8				4.8	<20	25.2			
10	7.7			25.5	1.868	7.9				4.8		26.4			
11	7.6			25.3	1.853	7.9			0.07	5.0		26.4			
12	7.6	208	274	25.5	1.847	8.0	1.2	0.8		4.9		26.7	99.4	99.7	
13	7.4			24.9	2.200	8.0				4.9		26.2			
14	7.4			24.5	2.100	7.9				4.9		26.0			
15	7.3			24.8	2.047	7.9				4.4	< 20	25.1			
16	7.5			24.5	1.966	8.0				5.5		24.7			
17	7.3			24.4	1.751	7.9				5.6		25.1			
18	7.7			23.8	1.696	7.9			0.05	5.3		25.1			
19	7.6	178	224	23.9	1.778	8.0	1.2	0.6		5.1		25.2	99.3	99.7	
20	7.4			24.5	1.814	8.0				4.8		25.4			
21	7.5			23.8	1.968	8.0				5.5		24.0			
22	7.3			23.5	1.873	7.9				5.2	< 20	24.1			
23	7.4			24.1	1.754	7.9				5.0		23.9			
24	7.4			25.1	1.793	7.9				5.3		24.8			
25	7.5			24.4	1.702	8.0			0.02	5.4		25.2			
26	7.5	170	202	24.4	1.705	7.9	1.2	1.3		5.0		25.2	99.3	99.4	
27	7.4			24.3	1.865	7.9				5.3		25.0			
28	7.5			24.9	2.058	7.9				5.2		25.5			
29	7.4			24.7	1.805	7.9				5.4	< 20	25.8			
30	7.4			24.9	1.620	8.0				5.6		26.1			
31	7.4			24.1	1.494	8.0				5.4		25.6			
Total					63.953										
Avg		180	212	24.4	2.063		1.2	0.8	0.05	5.1	< 20	25.3	99.4	99.6	
Min	7.2	165	148	23.5	1.494	7.8	1.0	0.5	0.02	4.0	< 20	23.9	99.3	99.4	
Max	7.7	208	274	25.5	3.496	8.0	1.2	1.3	0.07	5.6	< 20	26.7	99.4	99.7	

MONTHLY EFFLUENT MONITORING		QUARTERLY EFFLUENT MONITORING	
DATE	Oil & Grease mg/L	Selenium µg/L	Zinc µg/L
1			
2			
3			
4			
5			
6			
7			
8			
9	< 5.0		
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
Total			
Avg	< 5.0	0.00	0.00
Min	< 5.0	0.00	0.00
Max	< 5.0	0.00	0.00

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

DATE	SLUDGE DISP. LBS. DRY WEIGHT	#1 Aeration Basin, O-Ditch, Etc.				#2 Aeration Basin, O-Ditch, Etc.				*Weather Conditions		
		MIXED LIQUOR				MIXED LIQUOR				Outside * Ambient Temp ° F	*RAIN Inches	Time
		* DO mg/l	** MLSS mg/l	*Settleability		* DO mg/l	** MLSS mg/l	*Settleability				
				*30 min ml	Temp ° C			*30 min ml	Temp ° C			
1		1.2	2,160	380	24	1.2	3,090	260	24	69	4.5	7:30
2		2.9	2,820	380	24.5	3.6	2,390	280	24.5	73	0.6	7:30
3		1.2	2,800	360	25.5	1.5	2,300	240	25.2	73	1.6	7:30
4		2.6	3,540	360	25.5	4.2	2,720	250	25.1	75	0	7:30
5		1.7	3,260	260	25.7	1.6	2,850	260	25.7	76	0	7:30
6		1.8	3,130	270	25.4	1.8	2,880	260	25.4	73	0	7:30
7		1.6	2,910	300	25.3	1.7	2,760	280	25.3	70	0	7:30
8		1.6	2,280	310	24.4	1.9	2,910	280	24.5	73	0.2	7:30
9		1.3	2,620	300	25.3	1.4	2,100	200	25.1	73	0	7:30
10		1.4	3,300	300	26.2	1.6	2,790	260	26.2	75	0	7:30
11		1.5	2,680	240	26.8	1.6	2,250	210	26.3	76	0	7:30
12		1.4	2,590	340	26	1.5	3,510	230	25.9	78	0	7:30
13		1.3	3,310	300	26	1.3	2,420	230	25.8	73	0.4	7:30
14		1.3	2,940	330	25.5	1.4	2,590	220	25.4	68	0	7:30
15		1.3	3,020	330	24.6	1.4	1,510	230	24.7	68	0	7:30
16		1.9	2,250	280	24.3	1.6	2,560	240	24.4	70	0.1	7:30
17		1.9	3,240	280	24.7	2.3	3,140	240	24.6	70	0	7:30
18		1.6	3,230	300	24.9	2.0	2,000	230	24.7	70	0	7:30
19		1.5	3,500	310	25	1.8	2,590	230	24.9	74	0	7:30
20		1.6	2,530	250	25.1	2.4	2,530	230	25.1	72	0	7:30
21		2.8	1,460	220	23.4	2.0	2,850	250	23.6	62	0	7:30
22		3.0	1,390	240	23.6	2.3	3,240	270	23.6	62	0	7:30
23		2.4	2,040	310	23.5	2.9	2,430	230	23.7	68	0	7:30
24		2.1	2,670	330	25.1	3.0	1,580	180	24.7	77	0.25	7:30
25		1.5	3,480	360	25.4	3.5	2,120	190	25.1	73	0	7:30
26		1.5	3,220	350	24.8	2.5	2,450	210	24.7	71	0	7:30
27		2.3	2,640	300	24.8	2.4	2,570	230	24.7	71	0	7:30
28		1.4	3,410	300	25.4	1.9	2,550	250	25.3	73	0	7:30
29		1.6	2,210	290	25.5	1.5	2,340	260	25.2	73	0	7:30
30		1.4	3,080	310	26	2.2	2,590	260	25.7	73	0	7:30
31		2.5	2,880	300	25.2	2.5	2,220	250	25.2	73	0	7:30

COMMENTS:

TESTS PERFORMED BY (PRINT) John Hornback	SIGNATURE 	PHONE # (573)365-0455	DATE 9/9/2016
REPORT APPROVED BY (PRINT) Gary Hutchcraft	SIGNATURE 	PHONE # (573)365-0455	DATE 9/9/2016

*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 I
ADDRESS: #3 Anderson Road
LAKE OZARK, MO 65049

MO0103241			001 A		
PERMIT NUMBER			DISCHARGE NUMBER		
MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
2016	08	01	2016	08	31

FROM

TO

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	*****	*****	1.2	1.3	*****	Weekly	24 Hour Composite
Stage Type: End of Pipe	REQRMT	*****	*****	Weekly Average: 45	Monthly Average: 30	*****	Weekly	24 Hour Composite
E. coli, colony forming units (CFU) (51041)	REPORTD	*****	*****	*****	<20	<20	Weekly	Grab
Stage Type: End of Pipe	REQRMT	*****	*****	*****	Weekly Average: 630	Monthly Average: 126	Weekly	Grab
Flow, in conduit or thru treatment plant (50050)	REPORTD	3.496	2.063	*****	*****	*****	Daily	Record
Stage Type: End of Pipe	REQRMT	Daily Maximum Monitoring Required	Monthly Average Monitoring Required	*****	*****	*****	Daily	Record
Nitrogen, ammonia total (as N) (00610)	REPORTD	*****	*****	0.07	0.05	*****	Weekly	Grab
Stage Type: End of Pipe	REQRMT	*****	*****	Daily Maximum: 5.6	Monthly Average: 1.2	*****	Weekly	Grab
Oil and grease (soxhlet extr.) tot. (00550)	REPORTD	*****	*****	<5.0	<5.0	*****	Monthly	Grab
Stage Type: End of Pipe	REQRMT	*****	*****	Daily Maximum: 15	Monthly Average: 10	*****	Monthly	Grab
pH (00400)	REPORTD	*****	*****	7.8	8.0	*****	Weekly	Grab
Stage Type: End of Pipe	REQRMT	*****	*****	Minimum: 6	Maximum: 9	*****	Weekly	Grab
Temperature, water deg. centigrade (00010)	REPORTD	*****	*****	26.7	25.3	*****	Weekly	Grab
Stage Type: End of Pipe	REQRMT	*****	*****	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 ensure 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		7305
Gary Hutchcraft		CERTIFICATE NUMBER
TYPED OR PRINTED NAME		573-365-0455
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE
Gary F Hutchcraft		2016-09-09 15:13:16
TYPED OR PRINTED NAME		Date
SIGNATURE		

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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 I
ADDRESS: #3 Anderson Road
LAKE OZARK, MO 65049

MO0103241			001 A		
PERMIT NUMBER			DISCHARGE NUMBER		
MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
2016	08	01	2016	08	31

FROM

TO

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	*****	*****	1.3	0.8	*****	Weekly	24 Hour Composite
Stage Type: End of Pipe	REQRMT	*****	*****	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 ensure 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		7305						
Gary Hutchcraft		CERTIFICATE NUMBER						
TYPED OR PRINTED NAME		573-365-0455						
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE						
Gary F Hutchcraft		2016-09-09 15:13:16						
TYPED OR PRINTED NAME		Date						
SIGNATURE								

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LAKE OZARKOSAGE BEACH WWTP
Operation Report

FOR AUGUST 2016

Date	Initial	Plant Details										Environmental Conditions				Compliance & Safety				Operational Metrics				Financials				Notes													
		Room ID	Room Name	Room Type	Room Size (sqm)	Room Temp (°C)	Room Humidity (%)	Room Pressure (Pa)	Room Airflow (m³/s)	Room CO2 (ppm)	Room O2 (%)	Room pH	Room Vibration (mm/s²)	Room Noise (dB)	Room Light (lux)	Room Vibration (mm/s²)	Room Noise (dB)	Room Light (lux)	Room Vibration (mm/s²)	Room Noise (dB)	Room Light (lux)	Room Vibration (mm/s²)	Room Noise (dB)	Room Light (lux)	Room Vibration (mm/s²)	Room Noise (dB)	Room Light (lux)		Room Vibration (mm/s²)	Room Noise (dB)											
1	J1	0.544	2.075	2.619	7.28	24.0	8	4.5	69	380	176	2.71	1.2	3.090	260	84	7.72	1.2	3.0	3.0	3.467	7.83	4	24.5	0.854	15.900	45.000	5.967	Plant Reliance to Storage												
2	J11	0.584	2.818	3.402	7.40	23.9	PC	0.66	73	2.820	380	135	2.69	2.9	2.390	280	117	7.72	3.6	1.0	1.5	3.496	7.90	4	24.8	<20	1.840	7.090													
3	J11	0.374	2.843	3.239	7.4	24.5	PC	1.6	73	2.800	360	129	2.57	1.2	2.900	240	104	7.38	1.5	3.0	3.315	7.78	4	25.4	0.722	16.690	45.000	6.264													
4	F11	0.310	2.667	2.497	11.3	7.55	25.2	C	0	73	3.540	360	102	2.54	2.6	2.720	230	90	7.62	4.2	0.5	1.5	3.563	7.80	5.3	0.06	25.5	1.382	5.530												
5	F11	0.274	1.669	1.943	7.42	24.5	PC	0	73	3.260	260	80	2.58	1.7	2.850	260	91	7.61	1.6	1.0	0.5	1.0	2.055	7.86	1.0	0.5	23.6	0.740	9.935	45.000	3.716										
6	F11	0.303	1.916	2.219	7.44	23.8	C	0	73	3.110	270	86	2.61	1.8	2.880	260	90	7.64	1.8	1.0	1.0	2.231	7.85	5.5	25.2	0.759	9.745														
7	F11	0.123	1.779	2.102	7.47	23.9	C	0	70	2.910	300	103	2.62	1.6	2.760	280	101	7.66	1.7	1.0	1.0	2.191	7.87	5.3	25.1	0.866	5.570														
8	J11	0.273	1.779	2.033	7.33	24.1	C	0.2	73	2.280	310	136	2.63	1.6	2.910	280	96	7.67	1.9	1.0	1.0	2.162	7.89	5.0	24.9	0.896	5.930	45.000	2.226												
9	J11	0.290	1.638	1.868	7.22	24.2	PC	0	73	2.620	300	115	2.55	1.3	2.100	200	95	7.56	1.4	1.0	1.0	1.5	1.924	7.81	4.8	25.2	<20	0.835	10.290												
10	F11	0.217	1.686	1.703	7.72	25.5	PC	0	73	3.300	300	91	2.64	1.4	2.790	260	91	7.69	1.6	0.5	0.5	1.0	1.848	7.91	4.8	26.4	0.910	6.743	45.000	2.531											
11	F11	0.233	1.722	1.745	28.2	7.61	25.1	C	0	76	2.680	240	90	2.66	1.5	2.250	210	91	7.70	1.6	6.0	1.0	1.833	7.94	5.0	26.7	0.814	11.280													
12	F11	0.212	1.461	1.673	7.62	25.5	C	0	78	2.390	340	131	2.69	1.4	3.510	230	66	7.73	1.5	1.0	1.0	1.847	7.96	1.2	0.8	4.9	26.7	0.856	5.020	45.000	1.815										
13	J11	0.278	1.873	2.151	7.44	24.9	PC	0.4	73	3.310	300	91	2.7	1.3	2.420	230	95	7.72	1.3	1.5	1.0	2.200	7.95	4.9	26.2	1.048	5.595														
14	J11	0.293	1.684	1.977	7.38	24.5	PC	0	68	2.940	330	112	2.67	1.3	2.590	220	85	7.7	1.4	1.0	1.5	2.100	7.94	4.9	26	1.042	4.363														
15	J11	0.257	1.637	1.914	7.27	24.8	C	0	68	3.020	330	109	2.63	1.3	2.510	220	152	7.64	1.4	1.0	1.5	2.047	7.87	4.4	25.1	<20	0.958	9.470	45.000	3.354											
16	J11	0.212	1.642	1.854	7.5	24.5	PC	0.1	70	2.250	280	124	2.7	1.9	2.360	240	94	7.67	1.6	1.0	1.5	1.966	7.97	5.5	24.7	1.030	5.535														
17	J11	0.191	1.332	1.523	7.31	24.4	C	0	70	3.240	280	86	2.68	1.9	3.140	240	76	7.67	2.3	0.5	1.0	1.731	7.93	5.6	25.1	1.297	4.905														
18	J11	0.190	1.346	1.536	26.9	7.66	23.8	C	0	70	3.210	300	91	2.67	1.6	2.000	230	115	7.74	2.0	1.0	1.0	1.696	7.98	5.3	0.63	25.1	0.843	2.285												
19	F11	0.217	1.407	1.624	160	1.50	178	122	166	221	76.1	23.9	PC	0	74	3.500	310	89	7.73	1.8	1.0	1.0	1.778	7.97	1.2	0.6	5.1	25.2	1.345	5.905	45.000	2.216									
20	J11	0.222	1.494	1.716	7.43	24.5	C	0	72	2.530	250	99	2.68	1.6	2.530	230	91	7.73	2.4	1.5	1.0	1.5	1.815	7.93	4.8	25.4	1.159	5.635													
21	J11	0.248	1.932	1.810	7.46	23.8	C	0	62	1.460	220	151	2.75	2.8	2.850	230	88	7.7	2.0	1.5	1.0	1.968	7.97	5.5	24	1.287	3.845														
22	J11	0.219	1.455	1.674	7.32	23.5	PC	0	62	1.390	240	171	2.68	3	3.240	270	83	7.66	2.3	1.5	1.5	1.873	7.91	5.2	24.1	<20	1.229	5.525													
23	J11	0.185	1.343	1.528	7.4	24.1	PC	0	68	2.040	310	152	2.67	2.4	2.430	230	95	7.7	2.9	1.5	1.5	1.754	7.91	5	23.9	1.136	5.790	45.000	2.173												
24	J11	0.203	1.372	1.575	7.38	25.1	PC	0.25	73	2.670	330	124	2.65	2.1	1.580	180	114	7.73	3.0	1.0	1.0	1.793	7.94	5.3	24.8	0.882	9.715														
25	J11	0.235	1.379	1.584	29.8	7.45	24.4	PC	0	73	3.480	360	103	2.65	1.5	1.230	180	90	7.77	3.5	1.0	1.0	1.702	7.99	5.4	0.02	25.2	0.962	6.955												
26	J11	0.217	1.459	1.676	7.47	24.4	PC	0	71	3.220	350	109	2.67	1.5	2.450	210	86	7.73	2.5	0.5	1.0	1.705	7.91	1.2	1.3	3	25.2	1.007	7.420	43.000	3.423										
27	J11	0.263	1.618	1.881	7.41	24.3	PC	0	71	2.640	300	114	2.69	2.3	2.370	230	90	7.72	2.4	1.0	1.0	1.865	7.94	5.3	25	1.018	7.400														
28	J11	0.280	1.548	2.018	7.45	24.9	PC	0	73	3.410	300	88	2.62	1.4	2.550	230	98	7.68	1.9	1.0	1.0	2.038	7.90	5.2	25.5	1.018	6.940														
29	J11	0.227	1.530	1.757	7.4	24.7	C	0	73	2.210	390	131	2.63	1.6	2.340	260	111	7.65	1.5	1.0	0.5	1.0	1.805	7.88	5.4	25.8	<20	0.950	7.730												
30	J11	0.229	1.363	1.556	7.37	24.7	C	0	71	3.080	310	101	2.65	1.4	2.390	260	100	7.73	2.2	1.0	1.0	1.620	7.95	5.6	26.1	0.920	7.100	45.000	2.665												
31	J11	0.184	1.301	1.493	7.37	24.1	PC	0	73	2.880	300	104	2.69	2.5	2.220	230	113	7.71	2.5	1.0	1.0	1.494	7.95	5.4	25.6	0.713	9.295														
TOTAL		8.171	31.798	59.969	697	635	721	716	684	848	88.1	230.5	757.9	7.65	2224	86.590	9.990	3.577	237.2	55.1	78.830	7.440	2.983	239.3	64.5	40.5	35.0	3.2	337.6	0.20	783.9	<20	<5.0	0	31.243	237.965	495.000	36.770			
MAX		0.544	2.853	3.469	2.40	205	208	256	274	29.8	77.2	25.5	4.5	78	3.540	380	176	7.73	3	3.510	280	152	7.77	4.3	6.0	3.5	2.0	3.496	7.99	1.2	1.3	5.6	0.07	26.7	<20	<5.0	0	1.840	16.690	45.000	6.264
MIN		0.184	1.301	1.493	98	108	165	94	104	148	13.3	7.22	23.5	0	62	1.390	220	80	2.54	1.2	1.510	180	66	7.56	1.2	0.5	0.4	1.694	7.78	1.0	0.5	4.0	0.02	23.9	<20	<5.0	0	0.713	3.845	45.000	1.815
AVG		0.264	1.921	1.934	173	138	180	179	212	243.5	74.4	24.4	0.25	72	2.953	306	114	7.65	1.8	2.540	240	96	7.69	2.1	1.4	1.8	1.2	2.064	7.91	1.2	0.8	5.1	0.05	25.1	<20	<5.0	0	0.6	1.028	45.000	3.716

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

Prepared by CHL FHL MI

Approved by _____ CH

2

CAPITAL IMPROVEMENT ITEM DESCRIPTIONS
For Consideration
BUDGET YEAR 2017

TIER 1

				Notes
1. Annual fee for Mission autodialer (software fee)	(estimated)	\$500		Annual Fee
2. Regular Plant & Vehicle Maintenance	\$8,000 & \$3,000 (estimated)	\$11,000		Annual Maint.
3. UV Bulbs, Quartz Sleeves and Spare Parts	(estimated)	\$8,000		Annual Maint.
4. Tires for Sludge Truck	(estimated)	\$5,000		Carryover, if not complete in 2016
5. Replacment impellers for RAS pumps, a couple per year	(estimated)	\$7,500		New - Carryover
6. Replacement doors for electrical panel in RAS building	(estimated)	\$2,000		New
7. Rebuild Ducking Skimmer Arm & Arm Supports on Clarifier #2	(estimated)	\$5,000		New - Carryover
8. Expanded Effluent Testing for Permit Renewel for next renewal	(estimated)	\$1,500		New
9. Strip and refinish tile floor in Administration Building	(estimated)	\$1,000		New - Carryover
10. Replace wooden doors w/ fiberglass doors, a couple per year	(estimated)	\$2,000		New - Carryover
11. Rock for the Road	(estimated)	\$2,000		Annual Maint.
12. Painting of RAS room/pipe gallery & valve pits at lift stations	(estimated)	\$7,000		New
Estimated Tier 1 Total		\$52,500		

TIER 2

1. 350 kw Back-up diesel generator & 1000 amp transfer switch	(estimated)	\$200,000		New - Carryover
Installed	Used (estimated)	\$100,000		
2. Take # 1 Aeration Basin down, removal of grit by Contractor and repair valves and required lab testing on grit.	(estimated)	\$90,000		Carryover, if not complete in 2016
		\$190,000 to \$290,000		
Estimated Tier 2 Total				

Informational TIER 3

1. New 4 wheel drive pickup w/ snow plow	(estimated)	\$35,000		New - Carryover
2. Option 1 - New replacement highway style sludge truck w/ 3500 gallon tank	(estimated)	\$165,000		New - Carryover
Option 2 - New 6 wheel drive sludge truck w/ flotation type tires w/ 3000 gallon tank	(estimated)	\$180,000		New - Carryover
Estimated Tier 3 Total		\$200,000 to \$215,000		

Note: All above cost are estimated because of the escalating raw material, fuel and shipping prices.

BID OPENING

JOINT SEWER BOARD AUDITING SERVICES

09/07/2016

10:00 a.m.

The following bids were opened by City Clerk Diann Warner and witnessed by City Treasurer Karri Bell.

Bidder Name	Amount of Bid
Gerding, Karter Chitwood	2016 2,200
	2017 2,300
	2018 2,400
	2019 2,500
Craves + Associates	2016 5,000
	2017 5,150
	2018 5,300
	2019 5,500