

**OSAGE BEACH / LAKE OZARK
JOINT SEWER BOARD MEETING AGENDA
February 20, 2018 @ 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, Richard Ross
Public Works Director, Osage Beach, Nick Edelman
Public Works Director, Lake Ozark, Matt Michalik
Resident Member, Mr. Gary Hamner

3. MINUTES

Regular Meeting; January 16, 2018

PAGE NUMBERS
3-5

PUBLIC COMMENT

This time is set aside on the Agenda for citizens and visitors to address the Joint Sewer Commission on any topic that is not a Public Hearing. The Joint Sewer Commission welcomes input and feedback from the public. Speakers will be restricted to three minutes for non-agenda items; five minutes for agenda items unless otherwise permitted. Minutes may not be donated or transferred from one speaker to another.

4. REPORTS

Bill List	7-17
Revenue Budget Analysis	19
Expenditure Budget Analysis	21
Income & Expense Summary	23
Check Registers & Bank Statements	25-29
 Alliance Report of Operations	 31-47
Approval of Flow Chart; January, 2018	

5. OLD BUSINESS:

- A. Discussion and possible action regarding generator proposals and authorization for RFQ.

6. NEW BUSINESS:

- A. Discussion and possible action regarding an Application for Connection for Service; St. Moritz HOA. 49-52
- B. Discussion and possible action regarding forming a sub-committee to consider the Alliance Contract renewal.
- C. Discussion and possible action regarding pickup truck purchase.

7. ADDITIONAL DISCUSSION ITEMS

8. ADJOURNMENT

Next meeting: March 20, 2018 at Lake Ozark City Hall

LAKE OZARK-OSAGE BEACH
JOINT SEWER BOARD
Meeting Minutes-January 16, 2018

CALL TO ORDER:

Mayor Johnnie Franzeskos called the meeting to order at 4:00pm on Tuesday, January 16, 2018 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-Jeana Woods-Present
City Administrator, City of Lake Ozark-Dave Van Dee-Present
Alderman, Osage Beach-Richard Ross-Absent
Alderman, Lake Ozark-Gerry Murawski-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:

Public Works Director Michalik made a motion to approve the meeting minutes of November 21, 2017, seconded by Alderman Murawski. Motion passed unanimously.

REPORTS:

Alderman Murawski made a motion to approve the Bills List, seconded by City Administrator Woods, motion passed unanimously.

The Revenue Budget, Expenditure Budget Analysis, Income & Expense Summary and Check Registers and Bank Statements were reviewed. Motion was made by Mayor Olivarri to acknowledge the review of the documents. Seconded by Resident member Hamner. Motion passed unanimously.

Alliance Report of Operations: The average daily incoming flow for November was 1.265 mgd & for December was 1.105 mgd. They had 0.5 inches in November and 0.9 inches in December of precipitation measured at the WWTP.

Operationally, the plant's discharge was excellent, with an effluent monthly average BOD and TSS of 1.7 mg/l and 1.7 mg/l respectively for November and 2.6 mg/l and 3.1 mg/l for December which represents a 98.4 + % or better removal.

The MLSS average for both aeration basins was 3,475 mg/l in November and 3,900 mg/l in December. The total dry weight sludge inventory for November totaled 209,832 pounds & for December totaled 234,792 pounds. There were 20 tanker loads of biosolids or 74,000 gallons land applied in November and no/0 tanker loads were land applied in December. We received 7 loads of septage or 17,500 gallons for November and 7 loads of septage or 17,500 gallons for December.

APPROVAL OF FLOW CHART

Motion was made by Public Work Director Edelman to approve the Flow Chart for November, seconded by Public Works Director Michalik, motion passed unanimously. Motion was made by Public Work Director Edelman to approve the Flow Chart for December, seconded by Public Works Director Michalik, motion passed unanimously.

OLD BUSINESS: None

NEW BUSINESS:

A. Discussion and possible action regarding approval of the Inventory List.

No questions were asked regarding the Inventory List. Motion was made by Alderman Murawski, seconded by Public Works Director Edelman to approve. Motion passed unanimously.

B. Discussion and possible action regarding the Emergency Response Plan.

Motion was made by Alderman Murawski to approve the Emergency Response Plan, seconded by City Administrator Woods. Motion passed unanimously.

ADDITIONAL DISCUSSION ITEMS:

Gary Johnson with Alliance addressed the Joint Sewer Board regarding the renewal of the contract with Alliance. Johnson reiterated that the contract terms were the same for the 5 year contract with a few things amended. Alliance does offer a ten year contract. Mayor Olivarri questioned if this needs to go out for bid. Recommendation was made to add to next agenda to form a sub-committee regarding the renewal which isn't due till the end of 2018.

Discussion was made regarding the status of the generator. Recommendation was to add to next agenda for getting proposals and authorization for a RFQ.

Kari Bell. Treasurer of Osage Beach discussed the Property and Liability Insurance on coverage for the wastewater treatment plant with an effective date of April 10,

2018. Discussion was brought up regarding an optional pollution policy. The consensus was that it probably was not needed, however; in the Request for Proposals, it was added as an additional item to bid on. Proposals are to be opened Friday, March 16, 2018 at 2:00pm at Osage Beach City Hall.

ADJOURNMENT:

At 4:40pm Alderman Murawski made a motion to adjourn, seconded by Public Works Director Michalik, motioned passed unanimously.

Approved On:

Mayor, Johnnie Franzekos

City Clerk, Kimberly Baker

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JOINT SEWER BOARD
BILL LIST
FEBRUARY 20, 2018

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:	\$ -
OPERATING FUND BILLS TO BE PAID:	\$ 36,051.54
EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:	\$ -
EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:	\$ -
TOTAL	\$ 36,051.54

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	3640	Ameren MO	Jan. Service	\$ 3,639.68
4000	3641	Equipment Replacement Fund	Payment into ER Fund	\$ 3,467.00
4170	3642	Alliance Water Resources, Inc.	Management Fee	\$ 26,584.22
4160	3643	Alliance Water Resources, Inc.	Hauled Waste	\$ 250.00
4020	3644	Alliance Water Resources, Inc.	Protective Guard for Electric Panel 50%	\$ 245.39
4020	3645	JCI Industries, Inc.	RAS Pump	\$ 1,800.00
4140	3646	Lake Sun Leader	Ad for Insurance RFP	\$ 65.25
				\$ -
TOTAL				\$ 36,051.54

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
1.877.428.3738
PO Box 88088 Chicago, IL 60680-1088
Ameren payment processing center

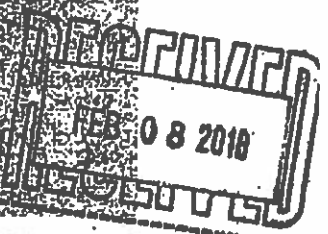
FOCUSED ENERGY. For life.

Account Number 4580005832
Customer Name ALLIANCE WATER RESOURCES INC
Service Address 3 ANDERSON RD.,
LAKE OZARK, MO 65048

Current Detail for Statement 02/08/2018

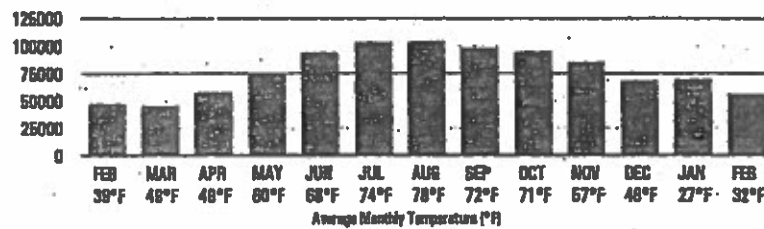
Total Electric Charges \$3,580.21

Total Amount Due \$3,580.21



Electric Usage History

Electric Usage in Kilowatt Hours (kWh)



Electric Usage Summary (kWh)

So far this year, you're using 22.3% more than last year.

2017 102,400 kWh

2018 125,280 kWh

Usage from Jan-Feb for 2017 & 2018

13073 00238 2305576 00048 00067 00010002

Keeping You Informed.

Update your account information so we can contact you when crews are working in your neighborhood. Fill out the slip and mail it in or update your online account. Don't have an online account? Sign up today at AmerenMissouri.com.



See next page for service details.

Keep this portion for your records.

Page 1 of 4

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Amount Due	Due Date
Delinquent Amount After Due Date	Account Number

Amount Enclosed \$

>000238 2305576 0002 072139 102

ALLIANCE WATER RESOURCES INC
PO BOX 1085
LAKE OZARK, MO 65048-1085

AMEREN MISSOURI
PO BOX 88088
CHICAGO IL 60680-1088

20600000 0045800058302 000003580210 000003580210



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Electric Service Details

Service from 01/08/2018 - 02/06/2018 (29 days)

Electric Meter Read

METER NUMBER	SERVICE FROM - TO	NO. DAYS	USAGE TYPE	READING TYPE	CURRENT READING	PREVIOUS READING	READING DIFFERENCE	MULTIPLIER	USAGE
11673321	01/08 - 02/06	29	Total kWh	Actual	44884.0000	44532.0000	352.0000	180.0000	56320.0000

Usage Summary

Total kWh	56320.0000	Peak kW	123.2000
Total Billing Demand	123.2000	October Winter Base kW	131.2000
Winter Base Demand	123.2000	Base kWh Ratio	1.0000
Base kWh (HUD)	56320.0000	Seasonal kWh (HUD)	0.0000

Rate 3M Large General Service

DESCRIPTION	USAGE	UNIT	RATE	CHARGE
Seasonal Energy Charge	0.00	kWh	@ \$0.03880000	\$0.00
Demand Charge	123.20	kW	@ \$2.00000000	\$246.40
Base Energy Charge / Hours Used	18,480.00	kWh	@ \$0.08650000	\$1,228.82
Base Energy Charge / Hours Used	24,840.00	kWh	@ \$0.04040000	\$1,217.22
Base Energy Charge / Hours Used	13,200.00	kWh	@ \$0.03880000	\$513.48
Customer Charge				\$85.07
Fuel Adjustment Charge	56,320.00	kWh	@ \$0.00027000	\$15.21
Energy Efficiency Program Charge	56,320.00	kWh	@ \$0.00020000	\$11.28
Energy Efficiency Investment Charge	56,320.00	kWh	@ \$0.00448800	\$252.85
Total Service Amount				\$2,595.21

Total Electric Charges \$3,580.21

Payments Since Previous Statement

DATE RECEIVED	AMOUNT
January 24, 2018	\$3,758.58

Questions? Contact Ameren Missouri at 1.877.428.3738 or visit AmerenMissouri.com.

Page 2 of 4

Address Changes or Corrections

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

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E-CHECK



PHONE
888.288.3729



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 AMERENMISSOURI.COM/
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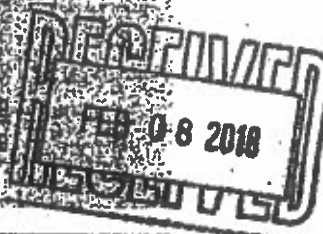
Account Number 6580005820
Customer Name ALLIANCE WATER RESOURCES INC
Service Address 3 ANDERSON RD
LAKE OZARK, MO 65049

Current Detail for Statement 02/08/2018

Total Electric Charges \$59.47

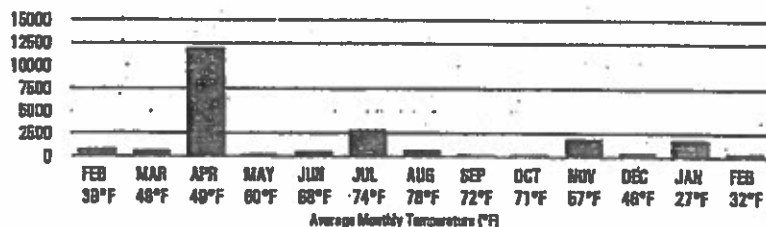
Total Amount Due \$59.47

AMOUNT DUE \$59.47
Due Date 02/02/2018
Amount Due After Due Date \$59.47
Payment Due Date 02/02/2018
Payment Due Amount \$59.47



Electric Usage History

Electric Usage in Kilowatt Hours (kWh)



Average Monthly Temperature (°F)

Electric Usage Summary (kWh)

So far this year, you're using 20.8% less than last year.

2017 2,890 kWh

2018 2,280 kWh

Usage from Jan-Feb for 2017 & 2018

1.877.428.3738
000000059470 000000059470

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Update your account information so we can contact you when crews are working in your neighborhood. Fill out the slip and mail it in or update your online account. Don't have an online account? Sign up today at AmerenMissouri.com.



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Page 1 of 4



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Amount Due	Due Date
Delinquent Amount After Due Date	Account Number

Amount Enclosed \$

>000210 2305576 0002 092139 102

ALLIANCE WATER RESOURCES INC
PO BOX 1885
LAKE OZARK, MO 65049-1885

AMEREN MISSOURI
PO BOX 88068
CHICAGO IL 60680-1088

10633000 0055800059200 000000059470 000000059470



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 ■ 1.877.428.3738
 ■ PO Box 88088 Chicago, IL 60680-1088
 Ameren payment processing center

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Electric Service Details					Service from 01/06/2018 - 02/06/2018 (29 days)				
Electric Meter Read									
METER NUMBER	SERVICE FROM - TO	NO. DAYS	USAGE TYPE	READING TYPE	CURRENT READING	PREVIOUS READING	READING DIFFERENCE	MULTIPLIER	USAGE
88041275	01/06 - 02/06	29	Total kWh	Actual	18481.0000	18418.0000	43.0000	10.0000	430.0000

Usage Summary

Total kWh	430.0000	Winter Base kWh	1000.0000
Current Base kWh	430.0000	Seasonal kWh	0.0000

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

Threshold - Peak Demand

DESCRIPTION	USAGE	UNIT		RATE	CHARGE
Base Energy Charge	430.00	kWh	@	\$ 0.08380000	\$36.85
Seasonal Energy Charge	0.00	kWh	@	\$ 0.04820000	\$0.00
Customer Charge					\$21.43
Fuel Adjustment Charge	430.00	kWh	@	\$ 0.00270000	\$0.12
Energy Efficiency Program Charge	430.00	kWh	@	\$ 0.00810000	\$0.04
Energy Efficiency Investment Charge	430.00	kWh	@	\$ 0.00448800	\$1.83
Total Service Amount					\$58.47
Total Electric Charges					\$58.47

Payments Since Previous Statement

DATE RECEIVED	AMOUNT
January 24, 2018	\$148.58

Questions? Contact Ameren Missouri at 1.877.428.3738 or visit AmerenMissouri.com.

Page 2 of 4

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 Address _____
 City, State, Zip _____
 Phone Number _____

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AMERENMISSOURI.COM/
PAYSTATION



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STUB & CHECK

SOLD TO:**INVOICE**

Term: 30 days

REFERENCE	DESCRIPTION	AMOUNT
	Wastewater Plant operating service for month of: Base Fee	Feb-18 \$26,584.22
TOTAL DUE		\$26,584.22

Alliance Water Resources, Inc.
Professional Water and Wastewater Operations
208 South Keene Street
Columbia, Missouri 65201
(573) 874-9880 Fax (573) 443-9833

SOLD TO:

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

INVOICE

Invoice No: 7738
Invoice Date: 31-Jan-18
Customer No: 20220
Terms: 30 days

REFERENCE	DESCRIPTION	AMOUNT
	Hauled waste payment for the month of: Jan-18 5 Hauled Waste Loads @ \$50.00 each	\$250.00
TOTAL DUE		\$250.00

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

SOLD TO:

Lake Ozark/Osage Beach Joint Utility Board
c/o Karri Bell
City of Osage Beach
1000 City Parkway
Osage Beach, MO 65085

INVOICE

Invoice No: 7698

Invoice Date: 1-Feb-18

Customer No: 20220

Terms: 30 days

REFERENCE	DESCRIPTION	AMOUNT
	Mark's Mobile Glass: workorder # W2F291595 - 50%	\$245.39
TOTAL DUE		\$245.39



Copy 1

Federal Tax ID: 43-1763931

Remit To: 607 DIX ROAD, JEFFERSON CITY, MO 65109 PH: (573) 348-3900 FAX: (573) 365-7721

P/O#:	Cust State Tax ID:	Workorder: W2F291595
Taken By: Brian	Cust Fed Tax ID:	
Installer: Nathan M	Ship Via:	
SalesRep:	Adv. Code: Other	Date: 1/8/2018
		Time: 02:06 PM

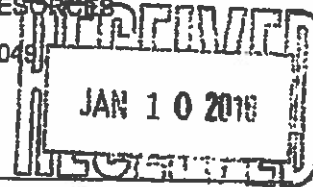
Bill To: Walk-In

Sold To: Walk-In

ALLIANCE WATER RESOURCES
#3 ANDERSON RD
LAKE OZARK, MO 65049

ALLIANCE WATER RESOURCES
#3 ANDERSON RD
LAKE OZARK, MO 65049

(573) 365-0455



Vehicle Information

Qty	Part Number	Description	List	Disc%	Sell	Total
2	CLEAR LEXAN-1/4"	(20" x 48") 1/4" Clear Lexan			\$84.49	\$128.98
		6.87 Sq Feet @ \$10.00 Per Sq Foot				
1	CLEAR LEXAN-1/4"	(62" x 48") 1/4" Clear Lexan			\$209.57	\$209.57
		20.67 Sq Feet @ \$10.00 Per Sq Foot				
1	Flat Glass labor	Flat Glass labor	\$100.00	0	\$100.00	\$100.00
1	MISC	break metal and boltes			\$32.24	\$32.24
2	Miscellaneous	Misc Flat Glass Material-HANDLES	\$10.00	0	\$10.00	\$20.00

Installation Type: Mobile

Install Date: 01/09/18 AM Installer: Nathan M

Instructions:
5732168398 CALL AHEAD.

PROTECTIVE GUARD FOR ELECTRICAL PANEL
IN RAS BASEMENT

GL Acct#: 6705-20 \$245.40 1220-20 \$245.39

Signature: *[Signature]*

Date: 1/10/18

PD check # 8450.

AUTHORIZATION TO PAY

I hereby authorize the above repair work to be done, along with the necessary material, and hereby grant you and/or your employees permission to operate the vehicle herein described on street, highways, and elsewhere for the purpose of inspection, testing, and pick-up/delivery to me. AN EXPRESS MECHANIC'S LIEN is also acknowledged on the above vehicle to secure the amount of repairs thereto. Mark's Mobile Glass is not responsible for loss or damage to vehicle or articles therein by causes beyond our control. REPLACEMENT HAS BEEN MADE TO MY SATISFACTION AND I HEREBY ASSIGN SUCH PROCEEDS AS MAY BE REQUIRED TO SATISFY ALL AMOUNTS DUE AND OWING TO THE ABOVE NAMED COMPANY FOR SAID INSTALLATION. IF FOR ANY REASON THE INSURANCE COMPANY DOES NOT PAY FOR THESE REPAIRS/REPLACEMENTS, THE ABOVE SIGNED AGREES TO PAY FOR SAID REPAIRS/REPLACEMENTS IN FULL. Payment is due by the 10th of the month. A service charge of 1.5% will be assessed on invoices more than 30 day past due, annual percentage rate 18%.

Sub Total: \$490.79

Tax: \$0.00

Customer's Signature: _____ Cash

Total: \$490.79

INVOICE

Remit To:

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



INVOICE	
8151588	
Invoice Date	Page
01/15/2018	1 of 1
ORDER NUMBER	
1133198	

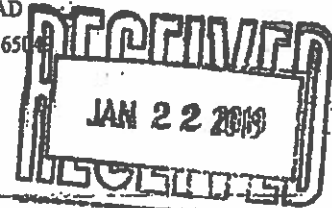
Branch 08 JEFFERSON CITY

Bill To:

LAKE OZARK/OSAGE BEACH JOINT SEWER BOARD
PO BOX 1985
LAKE OZARK, MO 65049

Ship To:

ALLIANCE WATER RESOURCES
#3 ANDERSON ROAD
LAKE OZARK, MO 65049



Customer ID: 400263

PO Number					Term Description		Net Due Date	
GARY 11/28/17					Net 30		2/14/2018	
Order Date		Pick Ticket No		Primary Salesrep Name			Order Taker	
11/28/2017 13:44:19		3143932		Ben Reinkemeyer JI			CMUTZBAUER	
Quantities					Item ID	Pricing UOM	Unit Price	Extended Price
Ordered	Shipped	Remaining	UOM Unit Size	Net	Item Description	Unit Size		
1.00	1.00	0.00	EA		P ALLAINCE - 11/28/17	EA	1,800.00	1,800.00
			1.0		RAS PUMP FM B5443C S/N K3N1-056154	1.0000		

Total Lines: 1

SUB-TOTAL: 1,800.00
TAX: 0.00
AMOUNT DUE: 1,800.00

Carrier: JCI TO DELIVER

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%.

Please see our terms and conditions
at: <http://www.jcind.com/tandc>

ORIGINAL

12.11.11, 11/19/2012

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

CITY OF OSAGE BEACH
ATTN: ACCTS PAYABLE
1000 CITY PARKWAY
OSAGE BEACH, MO 65065

RE: BID- INSURANCE PROPOSAL

PN: 20722

ACCT# 81525

AFFIDAVIT OF PUBLICATION

(State of Missouri)

) SS

(County of Camden)

I, JOYCE MILLER, BEING DULY SWORN ACCORDING TO LAW, STATE THAT I AM (REGIONAL EDITOR) 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: 01/19/2018
VOL 139 NO 013

TO: 01/19/2018
DAY OF JANUARY 19, 2018

SIGNED: _____
JOYCE MILLER (REGIONAL EDITOR)

PUBLICATION FEE DUE: \$ 65.25
SUBSCRIBED AND SWORN TO BEFORE ME THIS
19 DAY OF JANUARY, 2018.

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.

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

Account Number	Account Name	2016 Actual	2017 Actual	2018 Budget	2018 Actual as of 1/31/2018	2018 January Revenue	Percent YTD
3020	Osage Beach	475,802.57	478,614.41	478,500.00	40,707.32	40,707.32	9%
3010	Lake Ozark	74,197.42	71,385.58	71,500.00	5,126.01	5,126.01	7%
3100	Interest	368.52	781.57	500.00	85.40	85.40	17%
3060	Waste Haulers' Fee	33,460.00	30,500.00	34,500.00	500.00	500.00	1%
Total Operating Fund		583,828.51	581,281.56	585,000.00	46,418.73	46,418.73	8%
E/R Fund Income		2,847.67	2,319.07	2,300.00	114.88	114.88	5%
TOTAL INCOME		586,676.18	583,600.63	587,300.00	46,533.61	46,533.61	8%

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Account Number	Account Name	2016 Actual	2017 Actual	2018 Budget	2018 Actual as of 1/31/2018	2018 January Expenses	Percent YTD
4000	Equipment Replace Fund	41,606.04	41,604.17	41,604.00	3,467.17	3,467.17	8%
4010	ERF Repayment	0.00	0.00	0.00	0.00	0.00	0%
4020	*Maintenance & Repair	18,735.50	129,789.11	115,000.00	564.48	564.48	0%
4140	Insurance	16,977.00	17,144.00	17,600.00	0.00	0.00	0%
4150	Vehicle Repair/Maint	951.93	12,047.61	3,000.00	0.00	0.00	0%
4160	Haulers Fees to Contractor	8,000.00	8,000.00	8,000.00	0.00	0.00	0%
4170	Contract Management	303,638.88	311,229.84	320,566.84	26,584.22	26,584.22	8%
4185	Electric	72,637.17	69,261.90	75,000.00	3,909.17	3,909.17	5%
4190	Bank Charges	14.85	24.35	0.00	0.00	0.00	0%
4200	Audit	2,158.50	2,200.00	2,300.00	0.00	0.00	0%
4220	Professional Service	9,193.09	1,200.00	1,200.00	0.00	0.00	0%
4240	Capital Purchases	0.00	0.00	150,000.00	0.00	0.00	0%
	Totals	473,912.96	592,500.98	734,270.84	34,525.04	34,525.04	5%
	**E/R Expenses	7,980.42	7,554.68	67,500.00	0.00	0.00	0%
	TOTAL EXPENSES	481,893.38	600,055.66	801,770.84	34,525.04	34,525.04	4%

<u>Equipment & Replacement</u>	
Pickup 4X4 w/snow plow	35,000.00
Replace Actuator	9,000.00
Replace ducking skimmer arm	5,000.00
Replace wooden doors	2,000.00
Replace LED parking lot lights	9,000.00
Replace impellers for RAS pump	7,500.00
	67,500.00
<u>*Maintenance & Repair</u>	
Auto Dialer Yrly Software Fee	500.00
Effluent Testing for Permit Renewal	1,500.00
Normal Maintenance	8,000.00
UV Spare Parts	8,000.00
Rock for Road	2,000.00
Sandblast & paint Clarifier #3	95,000.00
	115,000.00

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OPERATING FUND INCOME AND EXPENSE SUMMARY
1/31/2018

Beginning Balance	277,897.41
Income - Osage Beach	40,707.32
Income - Lake Ozark	5,126.01
Income - Other	-
Income - Waste Haulers' Fees	500.00
Interest - Checking	85.40
Income - CD Interest	-
Transfers From E/R Fund	-
Transfers to E/R Fund	(3,467.00)
Expenses	(31,057.87)
Ending Fund Balance	289,791.27
Central Bank - NOW Acct.	138,724.27
First Bank of the Lake - Money Mkt.	100,803.32
CD St. Elizabeth, 3/18 #400886	50,263.68
Outstanding Checks:	-
Deposit in Transit:	-
	289,791.27

EQUIPMENT REPLACEMENT FUND INCOME AND EXPENSE SUMMARY
1/31/2018

Beginning Balance	523,626.08
Interest - Checking	114.88
Income - CD Interest	-
Transfers From E/R Fund	3,467.00
Transfers to E/R Fund	-
Income - Miscellaneous	-
Expenses	-
Ending Fund Balance	527,207.96
First Bank of the Lake - Money Mkt.	172,408.02
CD Providence Bank, 7/18 #1268880	202,070.98
CD First Bank of the Lake, 01/18 #101318429	102,465.28
CD St. Elizabeth, 3/18 #485431	50,263.68
Deposit in Transit	-
Outstanding Checks:	-
	527,207.96

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Operating Fund
CHECK REGISTER - JOINT SEWER BOARD OPERATION FUND

					reconciled balance 9/30/17	105,433.73
3619	Ameren MO	X	5,246.28	-		100,187.45
3620	Equipment Replacement Fund	X	3,467.00			96,720.45
3621	Alliance Water Resources, Inc.	X	25,935.82			70,784.63
3622	Alliance Water Resources, Inc.	X	161.32			70,623.31
3623	John Henry Foster	X	1,171.19			69,452.12
	Deposit LO	X	-	5,863.04		75,315.16
	Deposit OB	X		39,970.29		115,285.45
	Deposit	X		940.00		116,225.45
	Interest	X		9.68		116,235.13
						116,235.13
					reconciled balance 10/31/17	111,360.70
3624	Ameren MO	X	4,874.43	-		107,893.70
3625	Equipment Replacement Fund	X	3,467.00			81,957.88
3626	Alliance Water Resources, Inc.	X	25,935.82			80,929.74
3627	Alliance Water Resources, Inc.	X	1,028.14			78,730.01
3628	UV Doctor Lamps LLC		2,199.73			76,436.61
3629	Roemer's Heavy Equip & Truck	X	2,293.40	-		76,412.26
	Bank charge - checks	X	24.35	-		82,243.99
	Deposit LO	X	-	5,831.73		122,245.60
	Deposit OB	X		40,001.61		122,945.60
	Deposit	X		700.00		122,956.19
	Interest	X		10.59		122,956.19
					reconciled balance 11/30/17	119,217.73
3630	Ameren MO	X	3,738.46	-		115,750.73
3631	Equipment Replacement Fund	X	3,467.00			89,814.91
3632	Alliance Water Resources, Inc.	X	25,935.82			89,466.96
3633	Alliance Water Resources, Inc.	X	347.95			87,030.04
3634	Roemer's Heavy Equip & Truck	X	2,436.92	-		80,355.04
3635	Scott's Handyman Services	X	6,675.00	-		86,299.54
	Deposit LO	X	-	5,944.50		126,188.37
	Deposit OB	X		39,888.83		126,888.37
	Deposit	X		700.00		126,898.96
	Interest	X		10.59		126,898.96
					reconciled balance 12/31/17	122,989.79
3636	Ameren MO	X	3,909.17	-		119,522.79
3637	Equipment Replacement Fund	X	3,467.00			92,938.57
3638	Alliance Water Resources, Inc.	X	26,584.22			92,374.09
3639	Alliance Water Resources, Inc.	X	564.48			97,500.10
	Deposit LO	X	-	5,126.01		138,207.42
	Deposit OB	X		40,707.32		138,707.42
	Deposit	X		500.00		138,724.27
	Interest	X		16.85		138,724.27
					reconciled balance 1/31/18	

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RETURN SERVICE REQUESTED

OSB011001 011 OSB001

Period	Page
01/01/2018 - 01/31/2018	1 of 2

Web Address
www.centralbank.net

M 000r

Your Financial Summary on January 31, 2018

Bank Deposit Accounts:	Bank Deposits	Totals
Checking		
Bank Deposit Total	\$ 138,724.27	
Total Assets:		\$ 138,724.27
	\$ 138,724.27	\$ 138,724.27

Detailed Explanation of Account Balances and Other Assets

Basic Plus Interest Checking

No. 000007297

Beginning Balance December 29, 2017

\$ 126,898.96

Deposits

Jan. 16	Deposit
Jan. 16	Deposit
Jan. 19	Deposit
Jan. 30	Deposit
Jan. 31	Interest Earned

5,128.01
40,707.32
100.00
400.00
18.85

Checks

Total

+\$ 48,350.18

Check No.	Date Paid	Amount	Check No.	Date Paid	Amount
3636	Jan. 25	3,909.17	3638	Jan. 18	26,584.22
3637	Jan. 22	3,457.00	3639	Jan. 18	584.48

Total

-\$ 34,524.87

Ending Balance January 31, 2018

\$ 138,724.27

Number of days since last statement/interest cycle	31
Beginning and ending dates for calculation of statement/interest cycle	are 01/01/2018 through 01/31/2018
Average collected balance	136,347.00
Interest rate	0.14%
Annual percentage yield earned	0.15%
Interest earned previous year	92.88

End of Bank Deposits

JSB - CHECK REGISTERS 2018

CHECK REGISTER - JOINT SEWER BOARD EQUIPMENT REPLACEMENT FUND

	reconciled balance 9/30/17			262,184.63
1022	National Vacuum Equip/OB	X	2,368.69	259,815.94
	Interest	X		115.24
	Deposit	X		3,467.00
	reconciled balance 10/31/17			263,398.18
	Interest	X		108.34
	Deposit	X		3,467.00
	reconciled balance 11/30/17			266,973.52
1023	Alliance Water Resources		1,014.97	265,958.55
	Interest	X		135.36
	Deposit	X		3,467.00
	reconciled balance 12/31/17			269,560.91

00126 2849308 10Z ATM 608.75.1.5

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 101318411 (BUSINESS MONEY MARKET)

=====

LAST STATEMENT 12/29/17	269,560.91
2 CREDITS	3,650.43
DEBITS	.00
THIS STATEMENT 01/31/18	273,211.34

DEPOSITS		
REF #	DATE	AMOUNT
	01/19	3,467.00

DESCRIPTION	OTHER CREDITS	DATE	AMOUNT
INTEREST		01/31	183.43

- - - - - I N T E R E S T - - - - -			
AVERAGE LEDGER BALANCE:	270,926.69	INTEREST EARNED:	183.43
AVERAGE AVAILABLE BALANCE:	270,506.45	DAYS IN PERIOD:	33
INTEREST PAID THIS PERIOD:	183.43	ANNUAL PERCENTAGE YIELD EARNED:	.75%
INTEREST PAID 2018:	183.43		
INTEREST PAID 2017:	1,286.11		



20210546

NOTICE: SEE REVERSE SIDE FOR IMPORTANT INFORMATION



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**OUR
MISSION**

We partner with communities to deliver the finest water and wastewater services available at a competitive price. We are committed to keeping water safe and clean while serving people and taking care of communities with improved technical operations, careful management and financial oversight, and ensured regulatory compliance.

**Alliance Water
Resources,
Inc.**

**206 S. Keene
St.
Columbia, MO
65201**

(573)874-8080



REPORT OF OPERATIONS

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

Month of January 2018

Submitted by Alliance Water Resources, Inc. for the

February 2018

Joint Sewer Board Meeting

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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-0103241. 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	3.5	4.3	N/A	0		0.21	< 5.0	< 1.0
Peak Day	4.8	7.8	8.2	0		0.70	< 5.0	< 1.0
Percent Removal	98.9	99.3	N/A	N/A		N/A	N/A	N/A

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	N/A		2.7	10	4.0
Weekly Average	45	45		N/A				
Daily Max						11.5	15	8.1

PLANT HYDRAULIC AND ORGANIC LOADING

The average daily influent flow for the month was 1.179 MGD or 39% of Permitted flow with Lake Ozark contributing 12% of the total flow and Osage Beach contributing 88%. 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 96210 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.

0 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 450,000 gallons with a level of 5.5 feet in Tank 1 and 4.5 feet in Tank 2.

WASTEHAULERS

The plant received 5 loads of septage during the month totaling 12,500 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)

SAFETY

- We conducted our monthly routine Safety Meeting on Personal Protective Equipment/Winter Driving: Weather the Road on the 9th of January.

REGULATORY AGENCY, INSPECTION AND REPORTS

- We filled out the EDMR on MDNR's website on the 2nd of February.
- We completed and mailed the annual form S sludge report to MDNR on January 19, 2018 and filled out the annual EPA sludge report online on the same day.

MISCELLANEOUS AND RECOMMENDATIONS

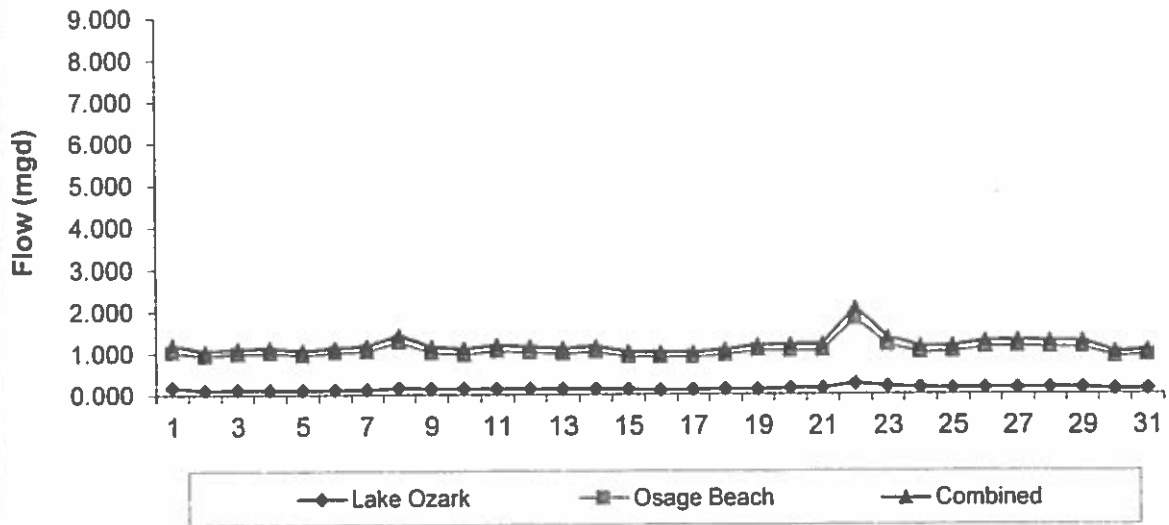
- We have received four state bids for the new pickup that has been budgeted for in 2018 with a budget of \$35,000.
 1. **\$29,462** 2018 Ford F-250 Reg Cab 4x4 SD w/snow blade from Hutcheson Ford in St James.
 2. **\$30,940** 2018 Ford F-250 Reg Cab 4x4 SD w/snow blade from Joe Machens Ford in Columbia.
 3. **\$30,970** 2018 Chevrolet 2500HD 4WD Reg Cab w/snow blade from W-K Chevrolet in Sedalia.
 4. **\$31,035** 2018 Chevrolet 2500HD 4WD Reg Cab w/snow blade from Jim Butler Chevrolet in Linn.

TABLE A
LAKE OZARK/OSAGE BEACH WWTP

MONTH OF January 2018

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-Jan	0	0.182	1.016	1.198	15.2	84.8						
2-Jan	0	0.110	0.930	1.040	10.6	89.4						
3-Jan	0	0.125	0.980	1.105	11.3	88.7						
4-Jan	0	0.118	0.999	1.117	10.6	89.4						
5-Jan	0	0.111	0.945	1.056	10.5	89.5	223	233	365	174	150	468
6-Jan	0	0.116	1.000	1.116	10.4	89.6						
7-Jan	0	0.119	1.042	1.161	10.2	89.8						
8-Jan	0.8	0.160	1.261	1.421	11.3	88.7						
9-Jan	0	0.140	1.003	1.143	12.2	87.8						
10-Jan	0	0.146	0.953	1.099	13.3	86.7						
11-Jan	0	0.140	1.044	1.184	11.8	88.2						
12-Jan	0	0.139	1.013	1.152	12.1	87.9	128	203	530	116	154	1474
13-Jan	0	0.134	0.971	1.105	12.1	87.9						
14-Jan	0	0.135	1.018	1.153	11.7	88.3						
15-Jan	0.5	0.130	0.890	1.020	12.7	87.3						
16-Jan	0	0.107	0.891	0.998	10.7	89.3						
17-Jan	0	0.114	0.884	0.998	11.4	88.6						
18-Jan	0	0.128	0.939	1.067	12.0	88.0						
19-Jan	0	0.121	1.051	1.172	10.3	89.7	148	200	180	100	144	206
20-Jan	0	0.145	1.037	1.182	12.3	87.7						
21-Jan	0	0.152	1.047	1.199	12.7	87.3						
22-Jan	1.5	0.258	1.812	2.070	12.5	87.5						
23-Jan	0	0.189	1.168	1.357	13.9	86.1						
24-Jan	0	0.156	0.987	1.143	13.6	86.4						
25-Jan	0	0.139	1.009	1.148	12.1	87.9						
26-Jan	0	0.148	1.122	1.270	11.7	88.3	248	180	188	160	128	178
27-Jan	0	0.149	1.137	1.286	11.6	88.4						
28-Jan	0	0.153	1.112	1.265	12.1	87.9						
29-Jan	0	0.153	1.118	1.271	12.0	88.0						
30-Jan	0	0.110	0.888	0.998	11.0	89.0						
31-Jan	0	0.118	0.923	1.041	11.3	88.7						
SUM	2.8	4.345	32.190	36.535								
AVG		0.140	1.038	1.179	12	88	187	204	316	138	144	582
NOTE: BOLD PRINT INDICATES WEEKEND DAYS												

Daily Flow
Figure 1



Effect of Rainfall on Flow
Figure 2

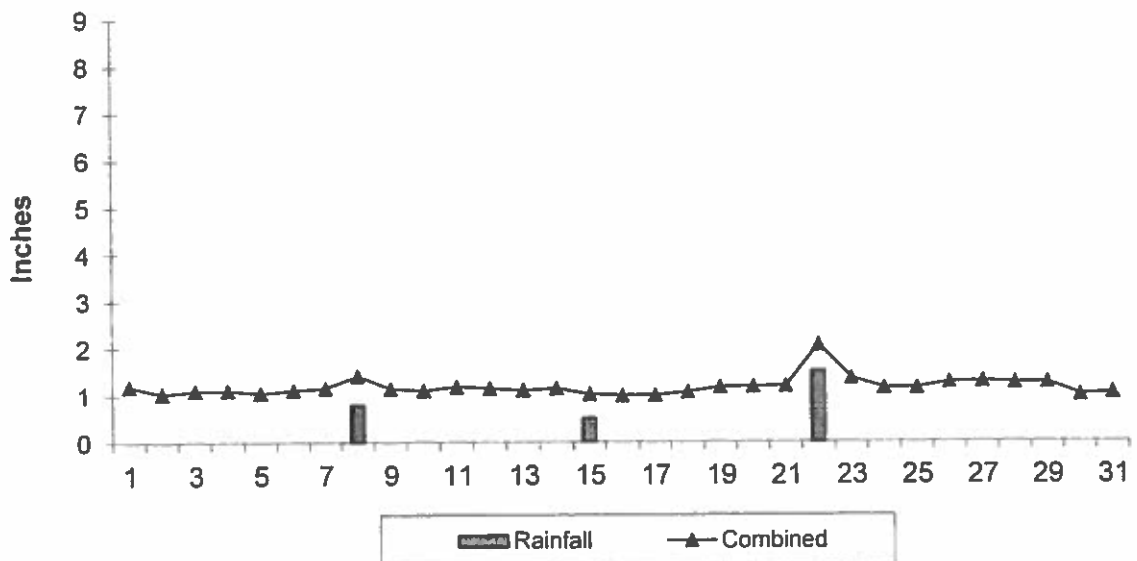
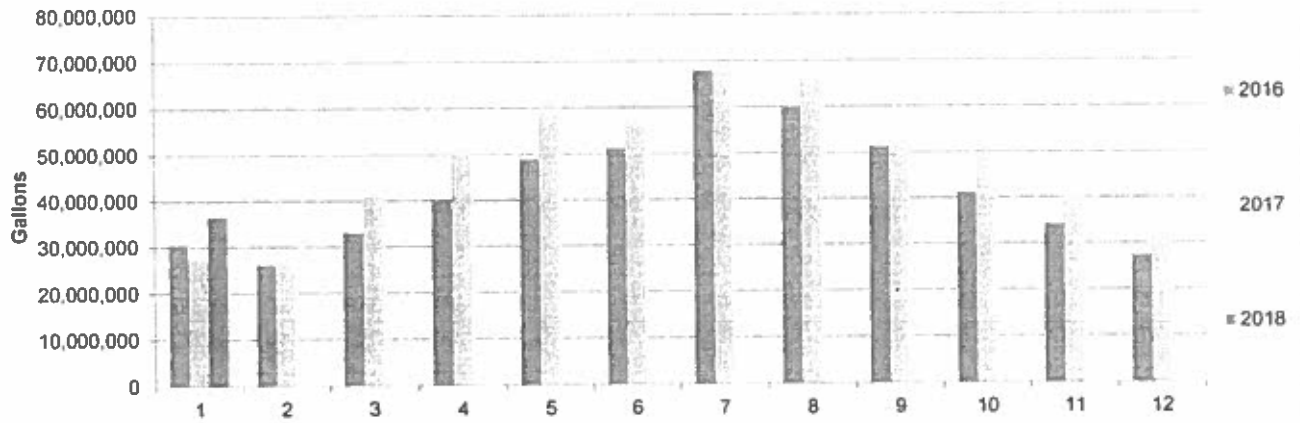


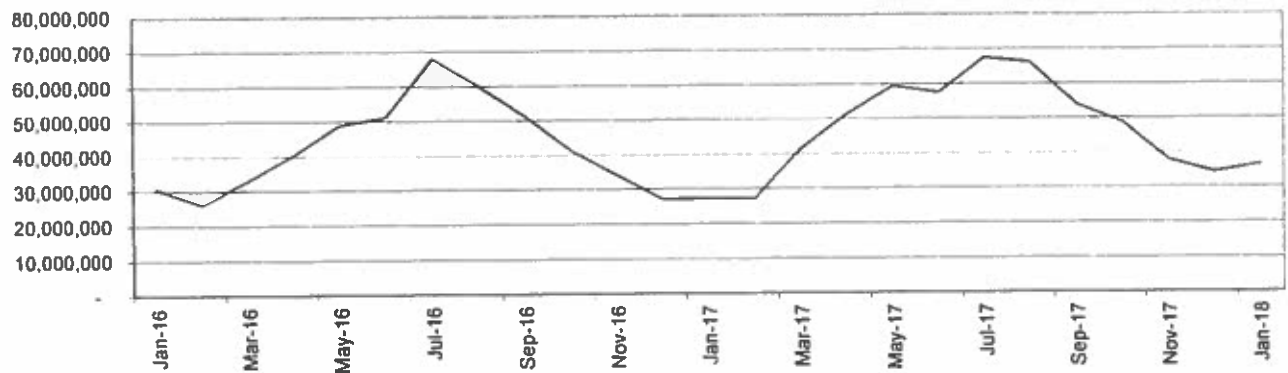
TABLE B
JOINT SEWER BOARD
Monthly Flows

<u>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	6.0	44,634,000	87%	6,655,000	13%	51,289,000	100%
October	0.5	36,156,000	88%	5,029,000	12%	41,185,000	100%
November	1.2	29,750,000	87%	4,357,000	13%	34,107,000	100%
December	0.8	23,139,000	86%	3,914,000	14%	27,053,000	100%
	45.4	467,718,000	87%	71,221,000	13%	538,939,000	100%
<u>2017</u>	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	2.5	23,440,000	86%	3,909,000	14%	27,349,000	100%
February	0.7	23,345,000	86%	3,812,000	14%	27,157,000	100%
March	3.8	36,554,000	88%	4,844,000	12%	41,398,000	100%
April	9.8	44,665,000	87%	6,723,000	13%	51,388,000	100%
May	8.1	51,527,000	87%	7,979,000	13%	59,506,000	100%
June	2.9	50,926,000	88%	6,618,000	12%	57,544,000	100%
July	5.2	59,347,000	88%	8,092,000	12%	67,439,000	100%
August	12.4	57,736,000	87%	8,409,000	13%	66,145,000	100%
September	1.5	47,096,000	87%	6,866,000	13%	53,962,000	100%
October	7.4	42,489,000	87%	6,332,000	13%	48,821,000	100%
November	0.5	37,947,000	90%	4,244,000	10%	42,191,000	100%
December	0.9	30,459,000	89%	3,808,000	11%	34,267,000	100%
	55.6	505,531,000	88%	71,636,000	12%	577,167,000	100%
<u>2018</u>	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	2.8	32,190,000	88%	4,345,000	12%	36,535,000	100%
February							
March							
April							
May							
June							
July							
August							
September							
October							
November							
December							
	2.8	32,190,000	88%	4,345,000	12%	36,535,000	100%

Monthly Influent Flow
Figure 3A

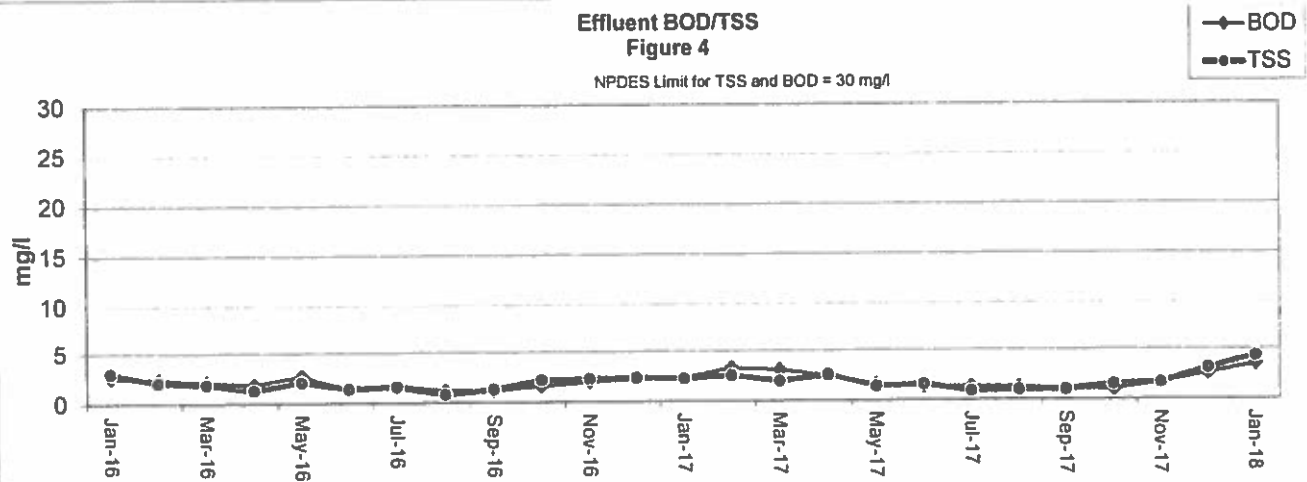


Monthly Influent Flow
Figure 3B

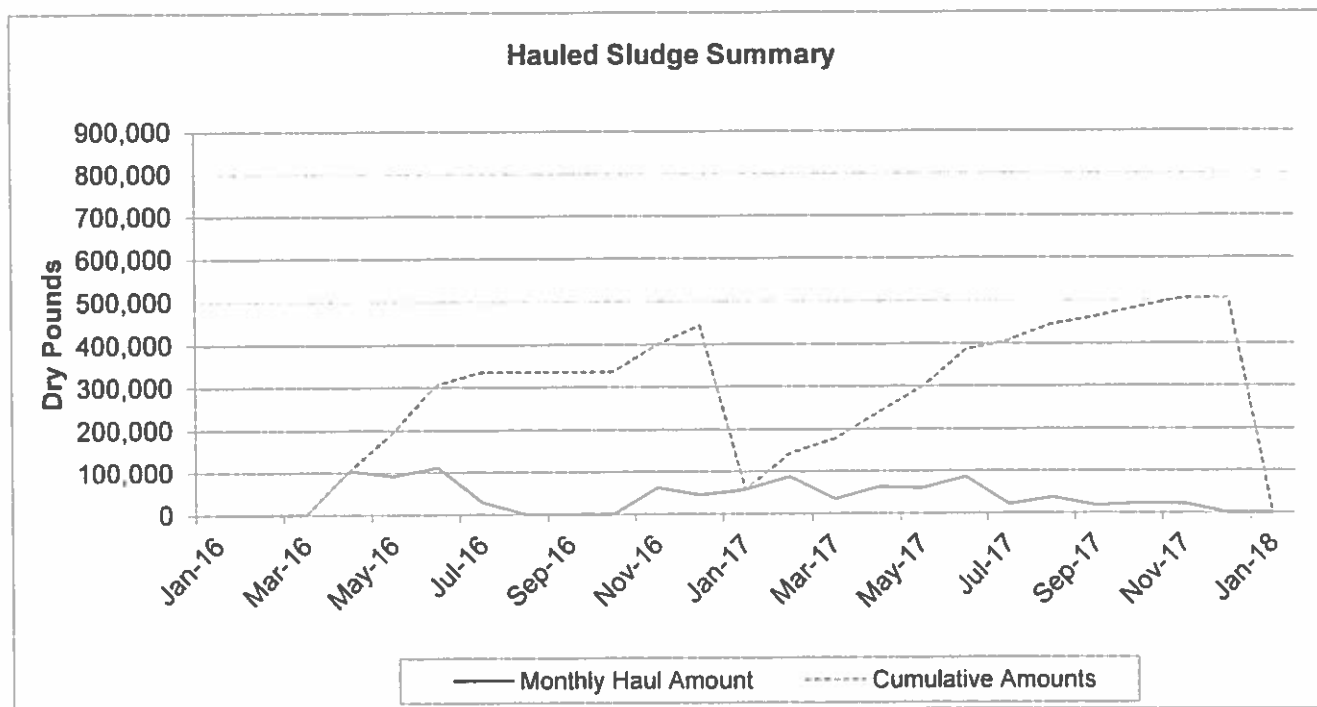
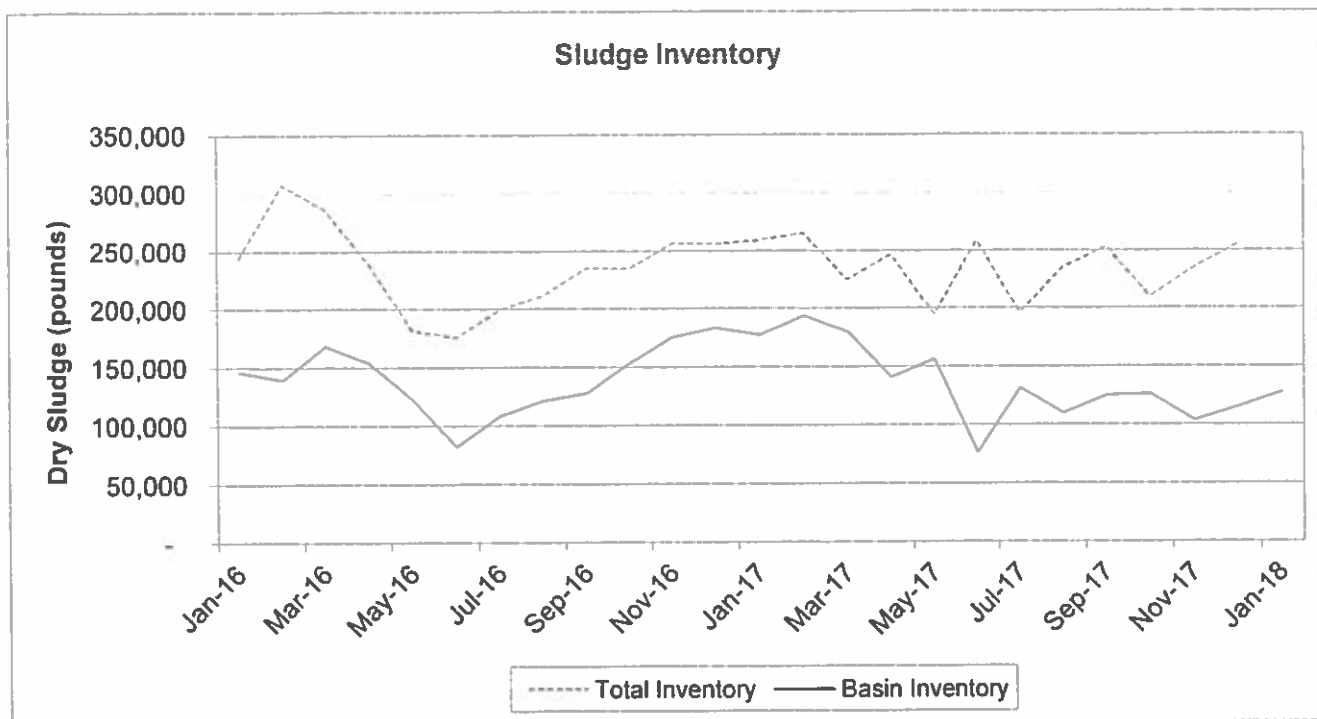


Effluent BOD/TSS
Figure 4

NPDES Limit for TSS and BOD = 30 mg/l



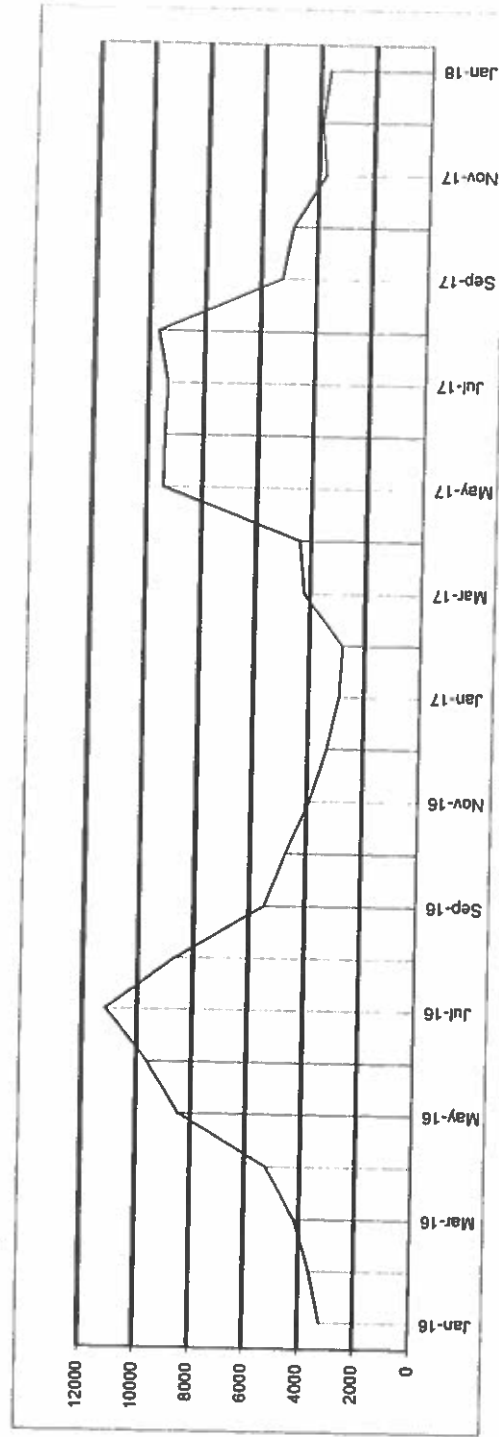
	Loads	Gallons	Hauled Sludge		Annual Cumulative # Dry	Basin Depths			Blanket Depths			MLSS Inventory			Blanket and MLSS Inventory			Total Dry	Accepted Septage Loads	Gallons
			# Dry	% Solids		Tank #1	Tank #2	AB #1	AB #2	Clarf #1	Clarf #2	Clarf #3	MLSS AB #1	MLSS AB #2	Gallons	# Dry	% Solids			
Jan-16	0	-	0	3.9%	-	5.0	5.0	0.0	0.0	0.5	0.5	0.0	3,760	3,610	3,617,762	111,184	0.00369	257,551	22	55,000
Feb-16	0	-	0	3.9%	-	6.0	3.5	0.0	0.0	1.0	1.0	0.0	3,210	3,730	3,635,524	105,211	0.00347	244,260	6	15,000
Mar-16	0	-	0	3.9%	-	6.0	5.5	0.0	0.0	2.0	2.0	1.0	4,670	4,320	3,714,476	139,249	0.00445	307,571	44	110,000
Apr-16	86	318,200	103,652	3.9%	103,652	5.5	5.0	0.0	0.0	2.5	2.5	1.0	5,540	3,160	3,732,238	132,600	0.00426	286,515	6	15,000
May-16	77	284,900	91,185	3.8%	194,837	5.5	3.0	0.0	0.0	1.0	5.0	1.0	3,770	3,670	3,750,000	116,343	0.00372	238,766	40	100,000
Jun-16	99	366,300	111,706	3.7%	306,543	6.0	0.0	0.0	0.0	1.5	1.0	1.5	2,570	3,840	3,709,547	99,155	0.00321	181,494	30	75,000
Jul-16	28	103,600	29,408	3.4%	335,951	4.5	4.0	0.0	0.0	1.0	1.0	1.0	1,740	2,630	3,678,952	67,041	0.00219	175,618	46	111,000
Aug-16	0	-	0	3.4%	335,951	6.0	3.5	0.0	0.0	1.0	1.0	1.0	2,880	2,220	3,678,952	78,240	0.00255	199,462	43	96,000
Sep-16	0	-	0	3.4%	335,951	5.0	5.0	0.0	0.0	1.0	1.0	1.0	2,800	2,990	3,678,952	84,223	0.00275	211,625	42	94,500
Oct-16	52	192,400	62,457	3.9%	398,408	6.5	5.5	0.0	0.0	1.0	1.0	1.0	1,740	3,600	3,678,952	81,922	0.00267	235,045	35	75,500
Nov-16	36	133,200	45,237	4.1%	443,645	7.5	4.5	0.0	0.0	1.0	0.0	1.5	-	3,770	1,882,904	59,202	0.00377	234,497	11	20,000
Dec-16	47	173,000	56,748	3.9%	56,748	6.0	6.0	0.0	0.0	1.0	0.0	1.0	-	4,700	1,881,190	72,853	0.0047	258,348	26	54,500
Jan-17	68	251,600	86,649	4.1%	143,397	5.5	7.0	0.0	0.0	1.5	0.0	2.0	-	4,090	1,913,499	78,853	0.00508	255,986	15	37,500
Feb-17	33	122,100	34,808	3.4%	178,205	7.5	6.5	0.0	0.0	3.0	0.0	1.0	-	5,400	1,896,714	85,420	0.0054	265,019	5	12,500
Mar-17	59	218,300	61,954	3.4%	240,199	6.5	4.5	0.0	0.0	8.0	10.0	1.5	-	4,630	2,184,959	90,198	0.00463	224,939	41	102,500
Apr-17	51	188,700	59,556	3.8%	299,755	7.0	4.0	0.0	0.0	1.0	1.5	0.5	3,420	2,460	3,666,119	84,367	0.00395	246,426	8	20,000
May-17	75	277,500	85,724	3.7%	385,479	2.5	3.0	0.0	0.0	3.0	2.5	1.5	4,530	3,000	3,762,633	118,153	0.00377	194,610	45	116,000
Jun-17	20	74,000	21,631	3.5%	407,110	4.5	5.5	0.0	0.0	1.0	0.5	1.0	4,670	3,650	3,657,238	126,886	0.00416	258,426	33	82,500
Jul-17	39	144,300	37,030	3.1%	444,140	5.0	4.5	0.0	0.0	1.0	0.5	1.0	2,910	2,740	3,670,071	86,469	0.00283	196,173	43	107,500
Aug-17	16	59,200	17,311	3.5%	461,451	6.0	3.5	0.0	0.0	0.5	1.0	1.0	2,910	2,740	3,670,071	86,469	0.00283	196,173	43	107,500
Sep-17	16	59,200	17,311	3.5%	461,451	6.0	3.5	0.0	0.0	0.5	1.0	1.0	2,910	2,740	3,670,071	86,469	0.00283	196,173	43	107,500
Oct-17	20	74,000	23,051	3.7%	484,502	8.0	1.0	0.0	0.0	0.5	1.0	1.0	4,520	3,780	3,670,071	109,884	0.00359	234,892	48	122,000
Nov-17	20	74,000	21,292	3.4%	505,794	4.5	3.5	0.0	0.0	1.0	1.5	0.5	2,890	4,060	3,666,119	106,250	0.00348	209,832	7	17,500
Dec-17	0	-	0	3.4%	505,794	6.0	3.0	0.0	0.0	1.0	1.5	1.0	3,680	4,120	3,687,833	119,950	0.0039	234,792	7	17,500
Jan-18	0	-	0	3.4%	-	5.5	4.5	0.0	0.0	0.5	1.0	0.0	4,390	4,040	3,626,643	127,468	0.00422	255,090	5	12,500



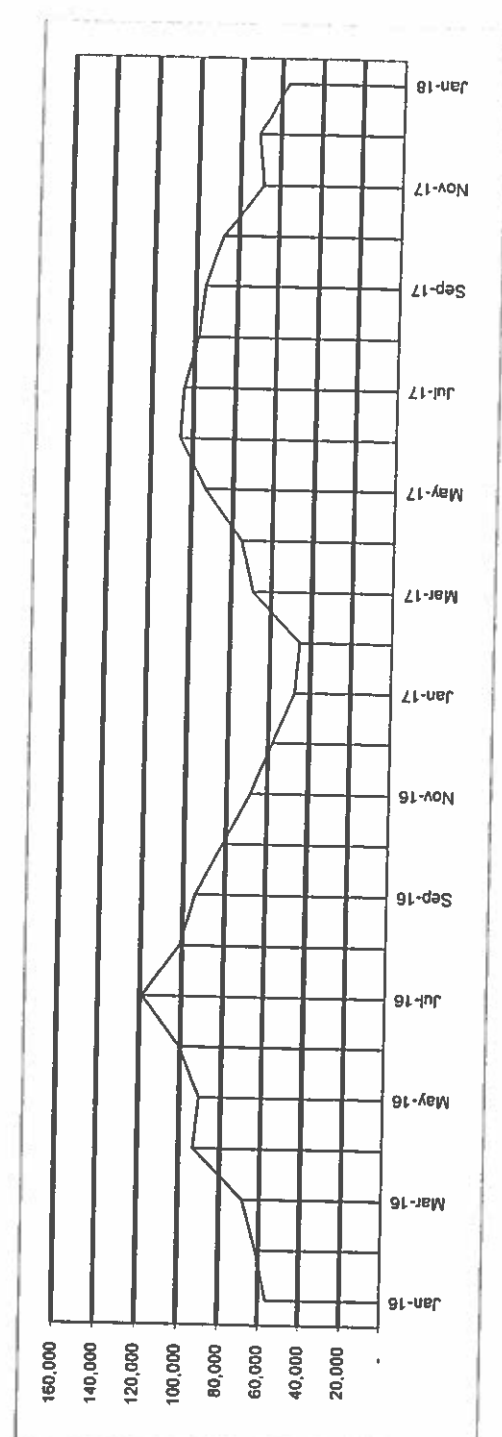
Electric Cost Kilowatts Used

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
Sep-16	5460	94,280
Oct-16	4737	81,500
Nov-16	3903	68,360
Dec-16	3324	57,810
Jan-17	2904	47,480
Feb-17	2796	45,240
Mar-17	4233	69,210
Apr-17	4411	75,480
May-17	9413	93,494
Jun-17	9388	106,070
Jul-17	9310	104,700
Aug-17	9666	98,220
Sep-17	5246	95,470
Oct-17	4874	87,240
Nov-17	3738	68,100
Dec-17	3909	70,820
Jan-18	3640	56,750

Electric Cost



Kilowatts Used





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

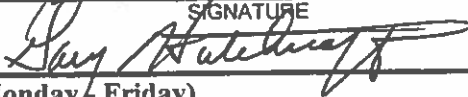
NAME OF FACILITY					LOCATION ADDRESS & CITY								COUNTY/REGION	
Lake of the Ozarks Regional WWTP #1					#3 Anderson Road								Miller/SWRO	
MONTH/YEAR		PERMIT NUMBER			OUTFALL NUMBER		TYPE TREATMENT FACILITY							
Jan-18		MO-0103241			#001		Oxidation Ditch/UV/Sludge Holding-sludge is land applied							
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	7.5			9.4	1.657	7.8				7.8		4.5		
2	7.5			9.7	1.526	7.7				6.8		4.7		
3	7.6			9.8	1.522	7.7				6.4		5.2		
4	7.6			9.1	1.475	7.7			0.7	6.2		4.9		
5	7.5	365	468	10.1	1.445	7.7	4.8	7.8		6.3		5.4	98.7	98.3
6	7.6			8.8	1.524	7.7				6.4		5.0		
7	7.5			10.3	1.482	7.8				6.5		6.2		
8	7.6			9.3	1.884	7.8				5.5		7.2		
9	7.6			10.3	1.479	7.8				5.0		7.8		
10	7.6			10.7	1.456	7.9				5.9		8.5		
11	7.6			12.0	1.454	7.9			0.05	5.5		10.6		
12	7.5	530	1474	9.5	1.403	8.2	2.8	3.1		5.3		7.7	99.5	99.8
13	7.5			10.0	1.494	7.9				8.3		6.5		
14	7.5			9.8	1.546	7.9				6.3		6.0		
15	7.5			9.0	1.369	7.9				6.5		5.0		
16	7.5			7.9	1.353	7.9				7.1		4.3		
17	7.6			7.4	1.397	7.9				7.3		3.9		
18	7.5			9.2	1.460	7.7			0.03	7.0		4.6		
19	7.7	180	206	9.7	1.559	7.9	4.0	4.4		6.3		5.7	97.8	97.9
20	7.5			9.8	1.478	7.6				6.4		6.6		
21	7.4			10.1	1.518	7.7				6.2		7.6		
22	7.5			10.2	2.457	7.8				4.6		10.1		
23	7.5			9.1	1.713	7.8				6.6		8.8		
24	7.4			9.7	1.497	7.8				6.7		8.0		
25	7.6			9.1	1.473	7.8			0.04	7.2		7.9		
26	7.6	188	178	10.5	1.528	7.7	2.5	2.0		6.0		8.9	98.7	98.9
27	7.5			10.5	1.600	7.8				5.9		9.2		
28	7.5			10.3	1.554	7.7				4.8		8.8		
29	7.5			9.6	1.586	7.9				6.3		8.4		
30	7.6			9.6	1.303	7.8				5.4		8.0		
31	7.5			10.5	1.324	7.8				5.8		9.0		
Total					47.516									
Avg		316	582	9.7	1.533		3.5	4.3	0.21	6.3	0.0	6.9	98.7	98.7
Min	7.4	180	178	7.4	1.303	7.6	2.5	2.0	0.03	4.6	0.0	3.9	97.8	97.9
Max	7.7	530	1474	12.0	2.457	8.2	4.8	7.8	0.70	8.3	0.0	10.6	99.5	99.8

MONTHLY MONITORING					QUARTERLY MONITORING					
DATE	Oil & Grease mg/L	Selenium µg/L	SM1 Hardness mg/L	SM2 Hardness mg/L	Phosphorus mg/L	SM1 Phosphorus mg/L	T. Nitrogen mg/L	SM1 T. Nitrogen mg/L	TR. Cadmium ug/L	TR. Copper µg/L
1										
2										
3										
4										
5										
6										
7										
8										
9										
10	< 5.0	< 1.0	279	339						
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
Total	< 5.0	< 1.0	279	339						
Avg	< 5.0	< 1.0	279	339						
Min	< 5.0	< 1.0	279	339						
Max	< 5.0	< 1.0	279	339						

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

DATE	SLUDGE DISP. LBS. DRY WEIGHT	#1 Aeration Basin, O-Ditch, Etc.				#2 Aeration Basin, O-Ditch, Etc.				*Weather Conditions		
		MIXED LIQUOR				MIXED LIQUOR				Outside * Ambient Temp ° F	*RAIN inches	Time
		* DO mg/l	** MLSS mg/l	*Settleability		* DO mg/l	** MLSS mg/l	*Settleability				
				*30 min ml	Temp ° C			*30 min ml	Temp ° C			
1		2.4	4,980	480	5.1	4.7	4,060	380	4.9	-5	0	7:30
2		3.2	4,510	640	4.1	6.3	6,090	340	4.4	-3	0	7:30
3		1.4	3,600	430	5.0	3.9	4,480	490	5.4	18	0	7:30
4		2.1	4,900	590	4.4	4.1	4,280	390	5.0	8	0	7:30
5		1.9	4,980	480	5.2	3.6	4,440	430	5.3	17	0	7:30
6		2.2	4,070	380	5.5	4.3	4,170	400	5.8	22	0	7:30
7		1.4	4,200	400	6.9	1.4	4,800	460	7.0	34	0	7:30
8		1.4	4,650	510	7.4	1.3	4,500	450	7.9	37	0.8	7:30
9		3.0	4,430	460	7.6	2.1	4,850	490	8.1	33	0	7:30
10		1.5	4,680	430	8.6	1.5	4,870	630	8.8	44	0	7:30
11		1.2	4,310	440	10.7	1.3	5,110	590	10.8	55	0	7:30
12		1.6	4,830	650	7.1	1.7	4,070	390	7.7	11	0	7:30
13		3.4	4,300	490	6.7	4.6	4,550	480	6.8	13	0	7:30
14		3.7	5,000	700	6.3	3.8	3,870	400	6.4	19	0	7:30
15		3.0	4,710	700	5.7	4.6	4,370	550	6.1	28	0.5	7:30
16		4.3	4,940	680	4.1	6.0	4,160	550	3.9	-2	0	7:30
17		4.2	4,490	750	3.9	6.0	4,310	560	3.7	-1	0	7:30
18		6.1	4,630	750	4.1	5.0	4,340	600	4.9	19	0	7:30
19		3.4	3,980	470	5.9	3.2	5,060	740	6.0	32	0	7:30
20		3.7	4,140	640	6.9	3.0	4,490	540	7.1	33	0	7:30
21		2.6	4,980	670	7.8	2.8	4,300	460	8.2	36	0	7:30
22		1.1	3,960	350	10.0	1.8	4,400	420	10.2	48	1.5	7:30
23		1.1	4,050	460	8.6	1.2	4,700	460	9.0	36	0	7:30
24		7.0	3,250	570	7.6	5.2	4,630	540	7.9	26	0	7:30
25		6.7	4,710	560	7.7	5.3	4,500	600	7.6	28	0	7:30
26		2.2	4,110	450	7.6	1.6	4,530	550	7.6	45	0	7:30
27		1.5	4,680	570	7.5	1.6	4,230	450	7.6	43	0	7:30
28		1.1	4,500	500	7.6	1.1	4,580	500	7.6	27	0	7:30
29		1.2	4,700	580	7.6	1.4	4,730	600	7.6	28	0	7:30
30		1.6	4,390	530	7.7	1.7	4,680	520	7.7	24	0	7:30
31		0.9	4,390	620	7.6	1.1	4,040	440	7.6	39	0	7:30

COMMENTS:

TESTS PERFORMED BY (PRINT)	SIGNATURE	PHONE #	DATE
John Hornback		(573)365-0455	2/2/2018
REPORT APPROVED BY (PRINT)	SIGNATURE	PHONE #	DATE
Gary Hutchcraft		(573)365-0455	2/2/2018

*Required Daily (Monday- Friday)

**Required 1/week

PERMITTEE NAME/ADDRESS

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)

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

MO0103241		001 A	
PERMIT NUMBER		DISCHARGE NUMBER	
MONITORING PERIOD			
YEAR	MO	DAY	YEAR
2018	01	01	2018
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	*****	*****	*****	4.8	3.5	Weekly	24 Hour Composite
Stage Type: End of Pipe	REQRMNT	*****	*****	*****	Weekly Average	30	Weekly	24 Hour Composite
BOD, 5-day, percent removal (01010)	REPORTD	*****	*****	*****	*****	98.7	Monthly	Calculated
Stage Type: End of Pipe	REQRMNT	*****	*****	*****	*****	Monthly Average Minimum	85	Monthly
Flow in conduit or thru treatment plant (50100)	REPORTD	2.457	1.533	Mgal/d	*****	*****	Daily	Total Measured
Stage Type: End of Pipe	REQRMNT	Daily Maximum Monitoring Required	Monthly Average Monitoring Required	*****	*****	*****	Daily	Total Measured
Nitrogen, ammonia total (as N) (00610)	REPORTD	*****	*****	0.70	*****	0.21	Weekly	Grab
Stage Type: End of Pipe	REQRMNT	*****	*****	Daily Maximum	11.5	*****	Monthly Average	2.7
Oil and grease (stocklet extr.) (00550)	REPORTD	*****	*****	<5.0	*****	<5.0	Monthly	Grab
Stage Type: End of Pipe	REQRMNT	*****	*****	Daily Maximum	15	*****	Monthly Average	10
pH (00400)	REPORTD	*****	*****	7.6	*****	8.2	Weekly	Grab
Stage Type: End of Pipe	REQRMNT	*****	*****	Minimum	6.5	*****	Maximum	9.0
Selenium (Se) total recoverable (00901)	REPORTD	*****	*****	<1.0	*****	<1.0	Monthly	Grab
Stage Type: End of Pipe	REQRMNT	*****	*****	Daily Maximum	9.1	*****	Monthly Average	4.0

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

Gan. Hutchcraft		7305	
TYPED OR PRINTED NAME		CERTIFICATE NUMBER	
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	
Gan. F Hutchcraft		573-365-0455	
TYPED OR PRINTED NAME		2018-02-02 11:58:38	
SIGNATURE		Date	

Page 1

PERMITTEE NAME/ADDRESS

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)

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

MO0103241		001 A	
PERMIT NUMBER		DISCHARGE NUMBER	
MONITORING PERIOD			
YEAR	MO	DAY	YEAR
2018	01	01	2018
FROM		TO	

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS
BEFORE COMPLETING THIS FORM

Parameter		MASS	Unit	CONCENTRATION	Unit	FREQUENCY OF ANALYSIS	SAMPLE TYPE	LAB CODE
Suspended Solids, percent removal (01011)	REPORTD	*****	*****	*****	*****	98.7	Monthly	Calculated
Stage Type: End of Pipe	REQRMNT	*****	*****	*****	*****	Monthly Average Minimum	85	Monthly
Total Suspended Solids (TSS) (00550)	REPORTD	*****	*****	7.8	*****	4.3	Weekly	24 Hour Composite
Stage Type: End of Pipe	REQRMNT	*****	*****	Weekly Average	45	Monthly Average	30	Weekly

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

Gan. Hutchcraft		7305	
TYPED OR PRINTED NAME		CERTIFICATE NUMBER	
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	
Gan. F Hutchcraft		573-365-0455	
TYPED OR PRINTED NAME		2018-02-02 11:58:38	
SIGNATURE		Date	

Page 2

PERMITTEE NAME/ADDRESS

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 (last)NAME Lake of the Ozarks Regional WWTP I
ADDRESS #1 Anderson Road
LAKE OZARK, MO 65049

MO0103241	SM2 A
PERMIT NUMBER	DISCHARGE NUMBER
MONITORING PERIOD	
YEAR MONTH DAY	YEAR MONTH DAY
2018 01 01	2018 01 31

NOTE: RE-ADMIT PERMIT AND GENERAL EXERCISE CERTAIN
BEFORE COMPLETING THIS FORM

Parameter	REPORTD	MASS	Unit	CONCENTRATION	Unit	FREQUENCY OF ANALYSIS	SAMPLE TYPE	LAB CODE
Hardness, total (as CaCO ₃) (00900)	REQRMT	*****		339	mg/L	Monthly	Grab	
Stage Type: Instream Monitoring	REQRMT	*****		Daily Maximum Monitoring Required		Monthly	Grab	

GENERAL PERMIT REQUIREMENTS OR COMMENTS
OR IF APPLICABLE COMMENTS
PERMITTEE SPECIFIC COMMENTS

I certify under penalty of law that this discharge 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 this 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 fines and imprisonment for knowing violations.

OPERATOR IN RESPONSIBLE CHARGE	
Garv. Hutchcraft	7305
TYPED OR PRINTED NAME	CERTIFICATE NUMBER
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE
Garv. F Hutchcraft	2018-02-02 11:58:38
TYPED OR PRINTED NAME	SIGNATURE
	Date

Page 3

for JANUARY 2018

Prepared by G.H. NI Approved by G.H. Date 2/2/2019

Prepared by: CH. NI

Approved by CII

Date: 2/27/19

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The Joint Sewer Board of the Cities Of Lake Ozark and Osage Beach

APPLICATION FOR CONNECTION FOR SERVICE

PROJECT NAME: ST. Moritz On The Lake Sewer Line Extension
APPLICANT: St. Moritz HOA
ADDRESS: P.O. Box, Osage Beach, MO 65065
PHONE: 978-618-7197
FAX: 978-618-7197
EMAIL: afultz7438@aol.com
CONTACT PERSON: Art Flutz, Presient

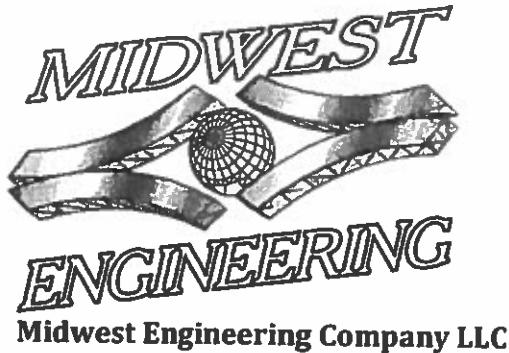
Application Format: On a separate sheet of paper please answer the following questions. Please type each question prior to the applicable response.

- (1) In no more than three pages provide relevant information on the applicant's background and development experience and financial ability to successfully complete the project. Include resumes of key individuals assigned to the project.**
- (2) Identify the applicant's consultants involved or proposed to be involved in the project noting relevant experience on similar projects (i.e., civil engineer, land use planner, applicant's legal counsel, applicant's financial advisor).**
- (3) Describe the proposed project, including the size and scope and phasing of the proposed project. Specifically outline residential development, if any, to be included in the project.**
- (4) Define the boundaries of the proposed service area by address and locator number(s). Include a map of the proposed service area.**
- (5) Identify the property which is currently in the control of the applicant via ownership or option. If the property is under an option contract please note the option expiration date.**
- (6) Is the proposed development consistent with all applicable infrastructure, development, or comprehensive plans?**
- (7) State the need and justification for this connection.**
- (8) Identify sources, amounts, and status of all debt financing and/or equity funding available to complete the project. Does the applicant anticipate the debt will be privately financed by the construction lender or developer or publicly sold?**

(9) Briefly describe the "environmental and quality of life" benefits of the proposed project to the Lake area.

(10) If the applicant's system is to be managed, administered or maintained by someone other than a direct employee of the applicant, please provide the name qualifications and direct operator's contact information for the individual/vendor responsible for the system.

\\Obchdata\LEGAL\Joint Sewer Board\JSB Connection Policy adopted April 19, 2011.doc



(DBA Marschke Engineering, LLC in
Illinois)
15 Shiloh Court
Edwardsville, IL 62025

5610 Alona Point
Osage Beach, MO 65065
573-216-0066

February 7, 2018

Joint Sewer Board of the Cities of Lake Ozark and Osage Beach

RE: St. Moritz On The Lake Sewer Line Extension of the City of Osage Beach

Dear Sirs,

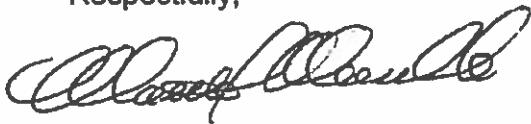
On behalf of St. Moritz HOA, I submit the following information as required and numerated by the Board's New Service Area Connections Policy Revised April 19, 2011.

1. The project is managed by the St. Moritz HOA. The HOA has managed the common areas including docks, water system, parking, pool, and pool house since the late 60s. The HOA plans to fund the project with a combination of cash, one-time special assessments and private bank financing for home owners requesting financing of the project construction costs. The user fees will be paid by each homeowner to the City of Osage Beach.
2. Matthew J. Marschke, P.E. is a local engineer with over 25 years of design and construction experience for many municipalities in the Midwest including Lake Ozark, Osage Beach, Linn Creek, Sunrise Beach and Camdenton. Mr. Marschke is the owner of Midwest Engineering Company, LLC who has completed the design of the project. Currently the project has been tentatively approved by the HOA and the City of Osage Beach. The project is ready to submit to DNR for a construction permit which requires the acceptance of the design by the Joint Sewer Board. Once permitted by DNR the project will be constructed.
3. The one phase project consists of 12,000 feet of gravity sewer mains, pressurized sewer mains and electrical conduits. The project will connect 62 units (about 30,000 gallons of sewage per day) currently being serviced by substandard on-site septic tanks. The project will collect as many units via gravity flow to 8 different pump stations. Those 8 pump stations will pump into a booster station which in turn, pumps into the existing City of Osage Beach force main located at St. Moritz Drive and State Route KK as shown in the attached design drawings. The booster

station could be used to connect other properties in the area with expansion of storage capacity.

4. The limits of the project are defined by the subdivision "St. Moritz on the Lake" as shown in the attached design drawings.
5. All the property that the pipelines and equipment will be installed is currently owned by the HOA. The homes from the walls in are owned by each homeowner. The homes are arranged in mostly four plex's, one duplex and four single-family homes.
6. The area has been evaluated for several solutions to replace the existing substandard septic systems. Alternatives considered were replacement of the onsite systems, construction of a WWTP, joining a proposed not for profit sewer system and connection to the City of Osage Beach. Connection to the City proved to be the most cost-effective solution as detailed in the Engineering Report published by Midwest Engineering, accepted by the HOA and approved by DNR on December 1 2017.
7. The existing septic tanks and lateral fields were installed in the 1960s and 1970s. During that time, no standard was required to design, install and repair those systems. The septic tanks have been replaced and the fields have been modified by different methods to address failures and surfacing wastewater over the years. To replace these system with Camden County approved septic systems would be cost prohibitive and impossible in some locations without installing the same infrastructure required to pump out to the City of Osage Beach system.
8. The project has considered public and private financing. The board has elected to move forward with private financing and full cash payment by some homeowners.
9. The elimination of on-site septic system will greatly enhance the local water quality of the Lake during peak usage. It is unlikely that many of the septic systems function correctly during peak summer usage.
10. The system will be owned and operated by the City of Osage Beach after the one-year warranty period following construction.

Respectfully,

A handwritten signature in black ink, appearing to read "Matthew J. Marschke", written in a cursive style.

Matthew J. Marschke, P.E.