

**OSAGE BEACH / LAKE OZARK
JOINT SEWER BOARD MEETING
AGENDA
NOVEMBER 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, Greg Massey
Public Works Director, Osage Beach, Nick Edelman
Public Works Director, Lake Ozark, Matt Michalik
Resident Member, Mr. Gary Hamner

3. MINUTES

Page Numbers

Regular Meeting: October 16, 2018 3-5

4. REPORTS

Bill List	7-20
Revenue Budget Analysis	21
Expenditure Budget Analysis	25
Income & Expense Summary	27
Check Registers & Bank Statements	29-36
October 2018 Alliance Report of Operations	37-57
Approval of October Flow Chart	

5. OLD BUSINESS

- A. Discussion and possible action regarding the Generator Project.
- B. Discussion and possible action regarding the 2019 Budget & Capital Improvement Plan

6. NEW BUSINESS

- A. Discussion and possible action regarding appointment of Board Representative and clarification of authority
- B. Discussion and possible action for Alliance contract for final approval 59-73

C. Authorization to pay bills in December due to “No December Meeting”

D. Discussion and possible action regarding bids for Repair of the Flygt pump

7. ADDITIONAL DISCUSSION ITEMS

8. ADJOURNMENT

THE NEXT MEETING WILL BE JANUARY 15, 2019 4:00 PM @ LAKE OZARK CITY HALL

**LAKE OZARK-OSAGE BEACH
JOINT SEWER BOARD
Meeting Minutes – October 16, 2018**

CALL TO ORDER:

Mayor Johnnie Franzeskos called the meeting to order at 4:00 pm on Tuesday, October 16, 2018 at Lake Ozark City Hall

ROLL CALL:

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

MINUTES:

Alderman Murawski motioned to approve the minutes of the August 21, 2018 regular meeting. The motion was seconded by Public Works Director Edelman. The motion passed unanimously.

REPORTS:

Alderman Murawski motioned to approve the August Bills List. The motion was seconded by City Administrator Van Dee. The motion passed unanimously.

Board Member Hamner motioned to approve the September Bills List. The motion was seconded by Public Works Director Michalik. The motion passed unanimously.

Alderman Murawski motioned to pay an extra bill to Dresser Natural Gas Solutions in the amount of \$9,522.52. This bill was not included on the Bill Lists. His motion was seconded by Public Works Director Michalik. The motion passed unanimously.

The August and September Revenue Budget, Expenditure Budget Analysis, Income & Expense Summary and Check Registers and Bank Statements were reviewed.

Alliance Report of Operations: The average daily incoming flow for August was 1.955 mgd, and September was 1.775 mgd. We had 6.9 inches of precipitation measured at the WWTP in August, and 3.4 inches in September.

Operationally, the plant's discharge was excellent, with an effluent monthly average BOD of 1.4 mg/l and TSS of 1.5 mg/l respectively for August, an effluent monthly average BOD of 1.2 mg/l and TSS of 2.0 mg/l respectively for September, which represents a collective average of 99.0% or better of removal.

The MLSS average for both aeration basins was 4.395 mg/l in August and 3,796 mg/l in September. The total dry weight sludge inventory for August totaled 284,531 pounds and September totaled 220,132 pounds. There were 12 tanker loads of bio solids or 44,000 gallons land applied in August and 51 tanker loads of bio solids or 188,700 gallons land applied in September. 30 loads of septage or 75,000 gallons for August and 45 loads of septage or 115,500 gallons for September were received.

It was also reported that the surplus items were sold. The pressure washer sold for \$10.00, the John Deere rider sold for \$425.00 and the pickup sold for \$1,050.00.

APPROVAL OF FLOW CHART

A motion was made by Public Works Director Michalik to approve the August Flow Chart, seconded by Alderman Murawski, motion passed unanimously.

A motion was made by Public Works Director Michalik to approve the September Flow Chart, seconded by Public Works Director Edelman, motion passed unanimously.

OLD BUSINESS:

- A. Alliance Contract renewal. Public Works Director Edelman advised that the contract negotiations were nearly complete and that the Contract would be presented at the November meeting for approval.
- B. Generator project. Public Works Director Michalik reported that no progress had been made. Plant Manager Hutchcraft advised that he would reach out to Martin Energy Group.
- C. Snow Plow Insurance. Ms. Bell advised that the plow was insured while it was connected to the truck but not while it was stored in the building. Insurance for storage would be \$250 per year with a \$500.00 deductible. No action was taken.

NEW BUSINESS:

- A. Review of the 2019 Budget and Capital Improvement Plan. Discussion ensued regarding various line items. The Budget will be brought back to the Board in November for approval.
- B. Sandblasting and painting of Clarifier 3. After review, a motion was made by Public Works Director Edelman to accept the bid of Landco Enterprises in the amount of

\$68,700. The motion was seconded by Public Works Director Michalik. The motion passed unanimously.

ADJOURNMENT:

With no further business to discuss, a motion to adjourn was made by Alderman Murawski. His motion was seconded by Public Works Director Michalik. The motion passed unanimously. The meeting adjourned at 4:40 pm.

Approved On:

Mayor, Johnnie Franzeskos

Trisha Kane, Joint Sewer Board Clerk

This page left intentionally blank

JOINT SEWER BOARD
BILL LIST
NOVEMBER 20, 2018

OPERATING FUND BILLS TO BE PAID:

EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:

\$	-
\$	35,906.22
\$	9,522.52
\$	-

TOTAL	\$ 45,428.74
-------	--------------

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:

[illegible]

TOTAL	\$	-
-------	----	---

OPERATING FUND BILLS TO BE PAID:

			Description:	Amount:
4185	3695	Ameren MO	October Service	\$ 5,316.62
4000	3696	Equipment Replacement Fund	Payment into ER Fund	\$ 3,467.00
4170	3697	Alliance Water Resources, Inc.	Management Fee	\$ 26,584.22
4020	3698	Alliance Water Resources, Inc.	maintenance and repair misc.	\$ 538.38

\$	5,316.62
\$	3,467.00
\$	26,584.22
\$	538.38
\$	-
\$	-
\$	-
\$	-

TOTAL	\$ 35,906.22
-------	--------------

EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:

Ducking skimmer mechanism	\$ 9,522.52
	\$

TOTAL	\$ 9,522.52
-------	-------------

EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:

1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20
21	21	21
22	22	22
23	23	23
24	24	24
25	25	25
26	26	26
27	27	27
28	28	28
29	29	29
30	30	30
31	31	31
32	32	32
33	33	33
34	34	34
35	35	35
36	36	36
37	37	37
38	38	38
39	39	39
40	40	40
41	41	41
42	42	42
43	43	43
44	44	44
45	45	45
46	46	46
47	47	47
48	48	48
49	49	49
50	50	50
51	51	51
52	52	52
53	53	53
54	54	54
55	55	55
56	56	56
57	57	57
58	58	58
59	59	59
60	60	60
61	61	61
62	62	62
63	63	63
64	64	64
65	65	65
66	66	66
67	67	67
68	68	68
69	69	69
70	70	70
71	71	71
72	72	72
73	73	73
74	74	74
75	75	75
76	76	76
77	77	77
78	78	78
79	79	79
80	80	80
81	81	81
82	82	82
83	83	83
84	84	84
85	85	85
86	86	86
87	87	87
88	88	88
89	89	89
90	90	90
91	91	91
92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

TOTAL	\$	-
-------	----	---



■ AmerenMissouri.com
■ 1.877.426.3738
■ PO Box 88068 Chicago, IL 60680-1068
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 65049

Current Detail for Statement 11/06/2018

Total Electric Charges \$5,202.53

Total Amount Due \$5,202.53



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

AMOUNT DUE \$5,202.53

Due Date 11/29/2018

Amount After Due Date \$5,280.57

Previous Statement \$5,476.64

Total Payments \$5,476.64

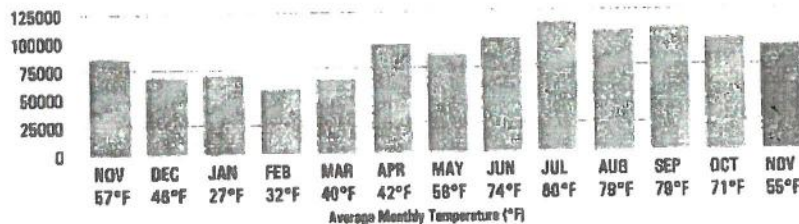
Payment Received. Thank You.

Your electric rate decreased by approximately 6%. Your savings are noted as the Federal Tax Rate Reduction.



Electric Usage History

Electric Usage in Kilowatt Hours (kWh)



Electric Usage Summary (kWh)

So far this year, you're using 14.9% more than last year.

2017 858,560 kWh

2018 988,860 kWh

Usage from Jan-Nov for 2017 & 2018

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

Please return this portion with your payment.



☐ Check if you have address changes on back.

Amount Due	Due Date
\$5,202.53	November 29, 2018
Delinquent Amount After Due Date	Account Number
\$5,280.57	4580005832

Amount Enclosed \$

>000198 6031216 0002 092139 102

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

AMEREN MISSOURI
PO BOX 88068
CHICAGO IL 60680-1068

00600000 0045800058302 000005202530 000005202530



■ AmerenMissouri.com
 ■ 1.877.426.3736
 ■ PO Box 88068 Chicago, IL 60680-1068
 Ameren payment processing center

FOCUSED ENERGY. For life.

Electric Service Details

Service from 10/04/2018 - 11/04/2018 (31 days)

Electric Meter Read

METER NUMBER	SERVICE FROM - TO	NO. DAYS	USAGE TYPE	READING TYPE	CURRENT READING	PREVIOUS READING	READING DIFFERENCE	MULTIPLIER	USAGE
11873321	10/04 - 11/04	31	Total kWh	Actual	50268.0000	49700.0000	568.0000	180.0000	81040.0000
11873321	10/04 - 11/04	31	Peak kW	Actual	1.3320	0.0000	1.3320	180.0000	213.1000

Usage Summary

Total kWh	81040.0000	Peak kW	213.1000
Total Billing Demand	213.1000	October Winter Base kW	153.1000
Winter Base Demand	153.1000	Base kWh Ratio	0.7184
Base kWh (HUD)	65403.0000	Seasonal kWh (HUD)	25637.0000

Rate 3M Large General Service

DESCRIPTION	USAGE	UNIT	RATE	CHARGE
Seasonal Energy Charge	25,637.00	kWh	@ \$ 0.03890000	\$897.28
Demand Charge	213.10	kW	@ \$ 2.00000000	\$426.20
Base Energy Charge / Hours Used	22,865.00	kWh	@ \$ 0.06650000	\$1,527.17
Base Energy Charge / Hours Used	30,620.00	kWh	@ \$ 0.04840000	\$1,512.63
Base Energy Charge / Hours Used	11,818.00	kWh	@ \$ 0.03890000	\$459.72
Customer Charge				\$95.07
Fuel Adjustment Charge	81,040.00	kWh	@ \$ 0.00186000	\$178.44
Energy Efficiency Program Charge	81,040.00	kWh	@ \$ 0.00020000	\$18.21
Energy Efficiency Investment Charge	81,040.00	kWh	@ \$ 0.00448800	\$408.41
Federal Tax Rate Reduction	81,040.00	kWh	@ \$-0.00482000	\$-420.80
Total Service Amount				\$5,202.53
Total Electric Charges				\$5,202.53

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

ONLINE E-CHECK
PHONE 866.268.3729
ONLINE CREDIT CARD
MAIL STUB & CHECK

IN PERSON
FIND A PAY STATION AT
AMERENMISSOURI.COM/
PAYSTATION



AmerenMissouri.com
1.877.426.3736
PO Box 88068 Chicago, IL 60680-1068
Ameren payment processing center

FOCUSED ENERGY. For life.

Account Number 5580005820
Customer Name ALLIANCE WATER RESOURCES INC
Service Address 3 ANDERSON RD
LAKE OZARK, MO 65049

Current Detail for Statement 11/06/2018

Total Electric Charges \$114.09

Total Amount Due \$114.09



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

AMOUNT DUE \$114.09

Due Date 11/29/2018

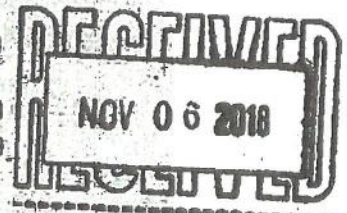
Amount After Due Date \$115.80

Previous Statement \$208.09

Total Payments \$208.09

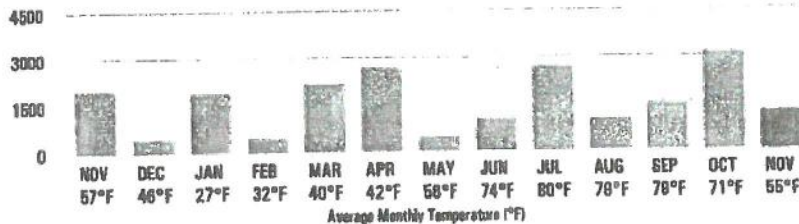
Payment Received. Thank You.

Your electric rate decreased by approximately 8%. Your savings are noted as the Federal Tax Rate Reduction.



Electric Usage History

Electric Usage in Kilowatt Hours (kWh)



Electric Usage Summary (kWh)

So far this year, you're using 20.3% less than last year.

2017 22,300 kWh

2018 17,770 kWh

Usage from Jan-Nov for 2017 & 2018

13073 00031 6031216 00038 001275 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

Please return this portion with your payment.



☐ Check if you have address changes on back.

Amount Due	Due Date
\$114.09	November 28, 2018
Delinquent Amount After Due Date	Account Number
\$115.80	5580005820

Amount Enclosed \$

>000331 6031216 0002 092139 102

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

AMEREN MISSOURI
PO BOX 88068
CHICAGO IL 60680-1068

90633000 0055800059200 000000114090 000000114090



■ AmerenMissouri.com
 ■ 1.877.426.3736
 ■ PO Box 88068 Chicago, IL 60680-1068
 Ameren payment processing center

FOCUSED ENERGY. For life.

Electric Service Details Service from 10/04/2018 - 11/04/2018 (31 days)

Electric Meter Read

METER NUMBER	SERVICE FROM - TO	NO. DAYS	USAGE TYPE	READING TYPE	CURRENT READING	PREVIOUS READING	READING DIFFERENCE	MULTIPLIER	USAGE
83941275	10/04 - 11/04	31	Total kWh	Actual	18008.0000	17692.0000	117.0000	10.0000	1170.0000
83941275	10/04 - 11/04	31	Peak kW	Actual	4.5840	0.0000	4.5840	10.0000	45.8400

Usage Summary

Total kWh	1170.0000	Winter Base kWh	1000.0000
Current Base kWh	1000.0000	Seasonal kWh	170.0000

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

Threshold - Peak Demand

DESCRIPTION	USAGE	UNIT	RATE	CHARGE
Base Energy Charge	1,000.00	kWh	@ \$ 0.08360000	\$83.60
Seasonal Energy Charge	170.00	kWh	@ \$ 0.04820000	\$8.19
Customer Charge				\$21.43
Fuel Adjustment Charge	1,170.00	kWh	@ \$ 0.00196000	\$2.29
Energy Efficiency Program Charge	1,170.00	kWh	@ \$ 0.00010000	\$0.12
Energy Efficiency Investment Charge	1,170.00	kWh	@ \$ 0.00449800	\$5.26
Federal Tax Rate Reduction	1,170.00	kWh	@ \$-0.00581000	\$-6.80
Total Service Amount				\$114.09
Total Electric Charges				\$114.09

Payments Since Previous Statement

DATE RECEIVED	AMOUNT
October 23, 2018	\$208.09

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

ONLINE E-CHECK
 PHONE 866.268.3729
 ONLINE CREDIT CARD
 MAIL STUB & CHECK

IN PERSON
 FIND A PAY STATION AT
 AMERENMISSOURI.COM/
 PAYSTATION

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

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

INVOICE

Invoice No: 8085
Invoice Date: 1-Nov-18
Customer No: 20220
Terms: 30 days

REFERENCE	DESCRIPTION	AMOUNT
	Wastewater Plant operating service for month of: Nov-2018 Base Fee	\$26,584.22
TOTAL DUE		\$26,584.22

Professional Water and Wastewater Operations

**206 South Keene Street
Columbia, Missouri 65201**

(573) 874-8080 Fax (573) 443-0833

INVOICE

Invoice No: 8086

Invoice Date: 1-Nov-18

Customer No: 20220

Terms: 30 days

SOLD TO:

Lake Ozark/Osage Beach Joint Utility Board

c/o Karri Bell

City of Osage Beach

1000 City Parkway

Osage Beach, MO 65065

REFERENCE	DESCRIPTION	AMOUNT
	Core & Main - Invoice # J631232 - 50%	\$119.00
	JCI Industries Inc - Invoice # 8166413 - 50%	\$125.00
	Jani King - Invoice # CLM11180096 - 50%	\$97.50
	USA BlueBook - Invoice # 713044 - 50%	\$92.81
	Controlled Heating & Cooling Co. - Invoice # 8104 - 50%	\$104.07
TOTAL DUE		\$538.38

CORE & MAIN

INVOICE

1830 Craig Park Court
St. Louis, MO 63146

Invoice # J631232
Invoice Date 10/10/18
Account # 116902
Sales Rep STEVEN BURKE
Phone # 573-348-1273
Branch # 138 Osage Beach, MO
Total Amount Due \$255.80

Remit To:
CORE & MAIN LP
PO BOX 28330
ST LOUIS, MO 63146

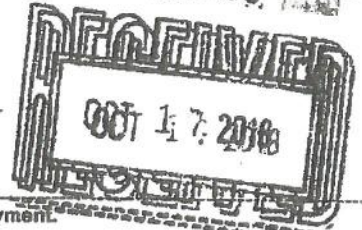
750 1 MB 0.424 E0264X I0407 D4122234874 S2 P5783780 0001:0001



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 #
10/09/18	10/09/18	SEE BELOW	TREATMENT PLANT			WILL CALL	J631232

Product Code	Description	Quantity			Price	UM	Extended Price
		Ordered	Shipped	B/O			
CUSTOMER PO#- TREATMENT PLANT							
96CHL100	100# DRUM GRANULAR CHLORINE	1	1		238.00000	EA	238.00

FOR CLEANING CLARIFIERS

GL Acct#: 6705-20 \$136.80 1220-20 \$119.00 4020
Signature: *[Signature]*
Date: 10/17/18

HD SUPPLY WATERWORKS IS NOW:

Available on the new website
New W-9
Formal name change letter
FAQ for customers & vendors

Freight	Delivery	Handling	Restock	Misc.	Subtotal:	238.00
					Other:	0.00
					Tax:	17.80
					Invoice Total:	\$255.80

Terms: NET 30

Ordered By: GARY

This transaction is governed by and subject to CORE & MAIN's standard terms and conditions, which are incorporated by reference and accepted. To review these terms and conditions, please visit: <http://tandc.coreandmain.com/>.

Remit To:

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



INVOICE

INVOICE	
8166413	
Invoice Date	Page
10/16/2018	1 of 1
ORDER NUMBER	
1148801	

Branch 06

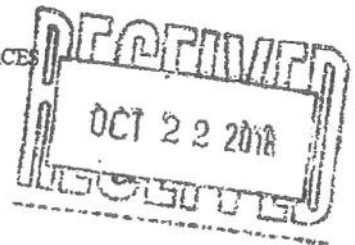
JEFFERSON CITY

Bill To:

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

Ship To:

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



Customer ID: 400030

PO Number					Term Description			Net Due Date		
GARY HUTCHCRAFT 10-8-18					Net 30			11/15/2018		
Order Date		Pick Ticket No		Primary Salesrep Name					Order Taker	
10/16/2018 16:17:40		3158943		Ben Reinkemeyer JJ					KBEDNARIK	
Quantities					Item ID		Pricing			
Ordered	Shipped	Remaining	UOM	Days	Item Description		UOM	Unit Price	Extended Price	
			Unit Size				Unit Size			
1.00	1.00	0.00	EA		FS ANNUAL HOIST INSPECTION WWTP 10-5-18		EA	250.00	250.00	
			1.0		WWTP LAKE OZARK ANNUAL INSPECT.		1.0000			

Total Lines: 1

SUB-TOTAL: 250.00

TAX: 0.00

AMOUNT DUE: 250.00

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%.

GL Acct#: 16705-20 \$125.00 1220-20 \$125.00 4020

Signature: Gary Hutchcraft

Date: 10/22/18

JCI Industries, Inc. acceptance of buyer's order is conditioned upon buyer's assent to the terms and conditions set forth on <http://www.jciind.com/tandc>. Any additional or contrary terms are hereby rejected.

ORIGINAL

12.11.911, 11/19/2012



Remit To:
MAJESTIC FRANCHISING INC DBA JANI-KING COLUMBIA
14821 W. 95TH STREET
LENEXA KS 66215
(573) 442-8455

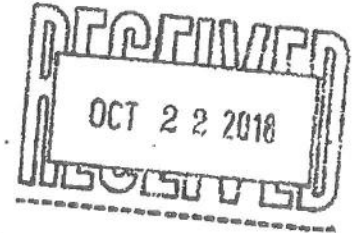
Invoice	
Date	Number
11/01/2018	CLM11180096
Due Date	Cust #
11/30/2018	022031
Invoice Amount	Amount Remitted
\$ 195.00	

Sold To:
ALLIANCE WATER

3 ANDERSON RD

LAKE OZARK MO 65049

For:
Same as Sold To



Make All Checks Payable To: MAJESTIC FRANCHISING INC DBA JANI-KING COLUMBIA
RETURN THIS PORTION WITH YOUR PAYMENT

MAJESTIC FRANCHISING INC DBA JANI-KING COLUMBIA
Commercial Cleaning Services
(573) 442-8455



Sold To:
ALLIANCE WATER
3 ANDERSON RD
LAKE OZARK

MO 65049

For:
Same as Sold To

Invoice No	Date	Cust No	Slsmn No	PO Number	Franchisee	Due Date
CLM11180096	11/01/2018	022031			RJ ENTERPRISES, LLC	11/30/2018
Quantity	Description				Unit Price	Extended Price
1	MONTHLY CONTRACT BILLING AMOUNT FOR NOVEMBER				195.00	195.00
GL Acct#: 6700-20 \$97.50 1220-20 \$97.50					4020	
Signature: <u>[Signature]</u>						
Date: <u>10/22/18</u>						
Make All Checks Payable To: MAJESTIC FRANCHISING INC DBA JANI-KING COLUMBIA					Amount of Sale	\$ 195.00
					Sales Tax	\$ 0.00
					Total	\$ 195.00

USABlueBook

Get the Best Treatment™

Remit To:
P.O. Box 9004
Gurnee, IL 60031-9004
TEL: (847) 689-3000
FAX: (847) 689-3001
TOLL FREE: 1-800-493-9876
F.E.I.N.: 52-2418852

INVOICE

INVOICE NO.	PAGE NO.
713044	1 of 1
CUSTOMER NO.	DATE
304523	10/17/18

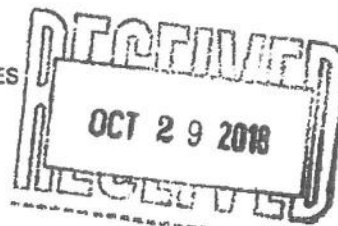
View online at: <http://usabluebook.billtrust.com>
Web Enrollment Token: RMM ZRV XZK

BILL TO: 304523
1312 1 MB 0.424 ED335X 10410 D4144080948 S2 P5821058 0001:0002

SHIP TO: 4

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

ALLIANCE WATER RESOURCES
*****DELIVER BY 4 PM*****
3 ANDERSON RD
LAKE OZARK MO 65049
USA



Ordered by: 0009 GARY HUTCHCRAFT

CUSTOMER PO NO.	SHIP DATE	SLP	TERMS	TAX CODE	SALES ORDER NO.	W/H	FREIGHT	SHIP VIA
VERBAL GARY	10/17/18	GGL	1%/10 NET 30	MO	290130	01	FXD/PPD	UPS
USA STOCK NO.	DESCRIPTION	ORDERED	SHIPPED	BACKORDER	U/M	PRICE	PER	EXTENSION
38770	Seal/Gasket Kit S394-BSC-KO ITEM INSTOCK AT TIME OF QUOTE FOR TRASH PUMP	1	1	0	EA	167.04	EA	167.04
GL Acct#: 6785-20 \$100.64 1220-20 \$92.81 4020 Signature: <i>Gary Hutchcraft</i> Date: 10/29/18								

THANK YOU for your business!
1.5% MONTHLY FINANCE CHARGE
ON AMOUNTS 30 DAYS PAST DUE
Discounts Apply to Merchandise Only

MERCHANDISE	MISCELLANEOUS	DISCOUNT	TAX	FREIGHT	TOTAL
167.04	0.00	0.00	7.84	18.57	193.45

Should it become necessary to refer your unpaid balance to a collection agency, a collection fee, not to exceed 25% of the balance referred; plus reasonable attorney's fees; and court costs when necessary, will be added to the balance due.

Please Detach and Return Bottom Portion to Insure Proper Credit to Your Account

USABlueBook

Get the Best Treatment™

****IMPORTANT****

Please include this customer #
on the face of your remittance check.

INVOICE NO.	CUSTOMER NO.	DATE	TOTAL
713044	304523	10/17/18	193.45

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

REMITTANCE ADDRESS

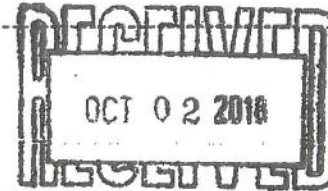
USABlueBook
P.O. Box 9004
Gurnee, IL 60031-9004

CONTROLLED HEATING & COOLING CO.
 883 E. HIGHWAY 42
 SUITE A
 OSAGE BEACH, MO 65065
 573-348-1535

Date	Invoice
9/21/2018	8104

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

*Celebrating 35 Years
 1983 - 2018*



OCT 15

P.O. No.	Terms	Project
	Due on receipt	

Description	Qty	Rate	Amount
TUA WINTER 2018 AND SUMMER 2019		208.15	208.15
TUA PREPAID WINTER 2018: CHECKED AND CHANGED FILTER. BLEW OUT CONDENSATE DRAIN. AMPED ALL COMPONENTS AND EVERYTHING AMPED WITHIN SPECS. BURNERS ARE CLEAN AND GOOD. HOT SURFACE IGNITOR IS GOOD. CONTACOTR AND CAPACITOR ARE GOOD. OUTDOOR UNIT IS CLEAN AND CLEAR OF DEBRIS. SYSTEM STAGES PROPERLY. FLAME LOOKS GOOD. HEAT PUMP TR 34' GAS FURNACE TR 49' SYSTEM WORKING PROPERLY AT THIS TIME 9-28-18 INV #28060			0.00
20 x 25 x 4" pleated filter	1	0.00	0.00
GL Acct#: <u>6705-20 104.08 1220-20</u> <u>\$104.07</u> Signature: <u>[Signature]</u> Date: <u>10/2/18</u>		4020	
Thank you for your business.	Total		\$208.15



Please Send Remittance To:
Natural Gas Solutions N.A., LLC
 Care of Industrial Products Group
 P.O. Box 654196 Dallas, TX 75265-4196
 We Accept Visa & MasterCard

Natural Gas Solutions N.A., LLC

Industrial Products Group
 16240 Port Northwest Drive, Suite 100
 Houston, TX 77041-2645 USA
 T +1 -832-590-2306
 F +1 -713-849-2879

Please show Invoice Date & number on your Remittance

Sold To ("Buyer"): JOINT SEWER BOARD CITIES LAKE OZARK & OSAGE BEACH ACCOUNTS PAYABLE 1000 CITY PARKWAY OSAGE BEACH, MO 65065 UNITED STATES OF AMERICA Shipped To: ALLIANCE WATER RESOURCES INC. PER GARY HUTCHCRAFT #5 ANDERSON ROAD LAKE OZARK, MO 65049 UNITED STATES OF AMERICA	Order No: 673974		Invoice No: IP 44701	
	Customer No: 239706 - 1		Invoice Date: 10/10/18	
	Customer PO: PER GARY HUTCHCRAFT			
	Market: 8001	Sales Person: 008172-000000-STHOMAS		
	Type: 1	Class: 810	FRT Terms: PPA	
	Ship Via: BEST WAY		Date Shipped: 10/05/18	
	Shipping Terms: CIP Place or port of destination			
	Terms: NET 30 DAYS		Weight:	No.PKG:
No Credit allowed on Goods Returned without Permission and RMA Number				

ITEM NO	QTY ORD	PART/DESCRIPTION	UNIT PRICE	QTY SHIPPED	NET INVOICE AMOUNT
1	1.00	2A4G2KGB1D00 7105T 1.1IPS 460V 3PH LN24 22LS TRUNNION MOUNT 7105TX0HA-01142LD-T24 MODEL: 7105TX0HA-01142LD-T24 FORCE: 2100LBS BREAKAWAY, 650LBS RUNNING STROKE: 0-24", VEL: 1.1IPS MTR: 460V,3PH, 60HZ, ENCL: DIP-CSA MT: TRUNNION, SWITCHES: 42LS, SPST TORQUE SWITCH OPTIONS: HANDWHEEL W/DECLUTCH MECH 42 LIMIT SWITCH ASSY WD: 141640012, IOM: ACME	9491.00	1.00	9,491.00
		Sub Total			9,491.00
		Freight			31.52
		INVOICE Total			9,522.52
		Tax Summary TAX EXEMPT			.00
		SHIP BEST WAY PPADD,WHEN READY			
		*** Continued ***			

We thank you for placing your order with Natural Gas Solutions North America, LLC (hereby known as "Seller"). Seller agrees to furnish the Industrial Products Group services (including any goods) as described in our proposal referenced above, and subject to the terms and conditions contained therein.

Unless the parties have agreed in writing to other terms, the sale of any service (including any goods) covered by the order identified above, is conditioned upon the terms contained in the original proposal referenced above, if any, and otherwise upon NATURAL GAS SOLUTIONS NORTH AMERICA, LLC GENERAL TERMS & CONDITIONS FOR SALE OF PRODUCTS, PARTS AND SERVICES, Dated October 1, 2018. Any additional or different terms proposed by Buyer are objected to and will not be binding upon Seller unless specifically assented to in writing prior to, or at, the time you place your order. Seller certifies that all goods described herein were produced in compliance with all applicable provisions of the Fair Labor Standards Act, as amended. For those instances where a master agreement is in place between the Buyer and Seller that is applicable to these services or sale of goods, the terms and conditions of the master agreement (subject to modifications made in Seller's proposal if any) shall have precedence over any alternative terms and conditions in any other document.

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.

Attachment: NATURAL GAS SOLUTIONS NORTH AMERICA, LLC GENERAL TERMS & CONDITIONS FOR SALE OF PRODUCTS, PARTS AND SERVICES, Dated October 1, 2018

PROPRIETARY & CONFIDENTIAL

Important: This is a solicitation. It is subject to revocation without notice and all orders are subject to acceptance by Seller and the terms included.

This page left intentionally blank

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

Account Number	Account Name	10/31/2018					Percent YTD
		2016 Actual	2017 Actual	2018 Budget	2018 Actual as of 10/31/2018	2018 Oct. Revenue	
3020	Osage Beach	475,802.57	478,614.41	478,500.00	401,486.88	40,025.03	84%
3010	Lake Ozark	74,197.42	71,385.58	71,500.00	56,846.43	5,808.30	80%
3030	Misc.				1,485.00	1,485.00	
3100	Interest	368.52	781.57	500.00	1,218.50	170.29	244%
3060	Waste Haulers' Fee	33,460.00	30,500.00	34,500.00	22,480.00	2,380.00	65%
Total Operating Fund		583,828.51	581,281.56	585,000.00	483,516.81	49,868.62	83%
E/R Fund Income		2,847.67	2,319.07	2,300.00	3,360.61	91.20	146%
TOTAL INCOME		586,676.18	583,600.63	587,300.00	486,877.42	49,959.82	83%

This page left intentionally blank



Settlement

181009-205764
Auction Date: 10/09/2018
Last Updated: 10/23/2018

Lake Ozark / Osage Beach Joint Sewer Board
John Olivarra
1000 City Parkway
Osage Beach MO 65065

Phone: 5733022000
Email: jolivarra@osagebeach.org

Your settlement has been processed in accordance with the terms as outlined in your auction contract.
Additional auction details can be viewed anytime by logging into your Purple Wave account.

<u>Bidder</u>	<u>Item</u>	<u>Qty</u>	<u>Description</u>	<u>Commissions / Fees</u>	<u>Amount</u>
205562	EO9351	1	John Deere 316 lawn mower - Onan gas engine - Hydrostatic transmission 48"W deck - Hydraulic raise and lower - Unattached 54"W snow blade - Hydraulic raise and lower - Unattached 16x6.50 front tires 23-10.50 rear tires - Parts may be missing - Non-operational unit - Serial M00316X476352	0% commission G - Listing Fee Waived	\$425.00
			Lake Ozark Osage Beach Joint Sewer Board 3 Anderson Rd Lake Ozark, MO 65049		
27913	DE3820	1	2001 Dodge Dakota pickup truck 113,074 miles on odometer - Miles may vary, still in use 3.9L V6 OHV 12V gas engine - Automatic transmission - AC and heat - AM/FM - Manual windows and locks - Cloth interior - P235/75R15 tires (2) additional tires - Additional wheel - Check engine light on	0% commission G - Listing Fee Waived	\$1,050.00
			Missouri title 1B7FL26X01S269588 Lake Ozark Osage Beach Joint Sewer Board 3 Anderson Rd Lake Ozark, MO 65049		
206385	EO9352	1	Coleman pressure washer - Briggs & Stratton gas engine - Recoil start	0% commission G - Listing Fee Waived	\$10.00

- 100' hose with wand
- Non-operational unit

Lake Ozark Osage Beach Joint Sewer Board
3 Anderson Rd
Lake Ozark, MO 65049

Bid total: \$1,485.00

Commission	Description	Rate	Subtotal	
2	0% commission	0	\$1,485.00	\$0.00

Fee	Description	Amount	Subtotal	
Fee G	Fee Waived	\$0.00	\$1,485.00	\$0.00

Total: \$1,485.00

46333 processed & mailed 10/23/2018. Check

2018-10-23 11:09:21 \$1,485.00

Balance Due To Seller: \$0.00

Thank you!

MONTH-TO-DATE AND YEAR-TO-DATE
EXPENDITURE/BUDGET ANALYSIS
10/31/2018

Account Number	Account Name	2016 Actual	2017 Actual	2018 Budget	2018 Actual as of 10/31/2018	2018 Oct Expenses	Percent YTD
4000	Equipment Replace Fund	41,606.04	41,604.17	41,604.00	34,670.17	3,467.00	83%
4020	*Maintenance & Repair	18,735.50	129,789.11	115,000.00	8,349.52	1,771.25	7%
4140	Insurance	16,977.00	17,144.00	17,600.00	18,475.25	0.00	105%
4150	Vehicle Repair/Maint	951.93	12,047.61	3,000.00	3,472.23	0.00	116%
4160	Haulers Fees to Contractor	8,000.00	8,000.00	8,000.00	8,000.00	220.00	100%
4170	Contract Management	303,638.88	311,229.84	320,566.84	265,842.20	26,584.22	83%
4185	Electric	72,637.17	69,261.90	75,000.00	70,485.53	5,684.73	94%
4190	Bank Charges	14.85	24.35	0.00	17.00	6.00	0%
4200	Audit	2,158.50	2,200.00	2,300.00	2,300.00	0.00	100%
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	411,611.90	37,733.20	56%
	**E/R Expenses	7,980.42	7,554.68	67,500.00	40,162.61	10,700.61	60%
	TOTAL EXPENSES	481,893.38	600,055.66	801,770.84	451,774.51	48,433.81	56%

****Equipment & Replacement**

Pickup 4X4 w/snow plow	35,000.00	X
Replace Actuator	9,000.00	
Replace ducking skimmer arm	5,000.00	X
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	

***Maintenance & Repair**

Auto Dialer Yrly Software Fee	X	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

This page left intentionally blank

OPERATING FUND INCOME AND EXPENSE SUMMARY
10/31/2018

Beginning Balance	337,667.07
Income - Osage Beach	40,025.03
Income - Lake Ozark	5,808.30
Income - Other	1,485.00
Income - Waste Haulers' Fees	2,380.00
Interest - Checking	170.29
Income - CD Interest	-
Transfers From E/R Fund	-
Transfers to E/R Fund	(3,467.00)
Expenses	(34,266.20)
Ending Fund Balance	349,802.49
Central Bank - NOW Acct.	122,749.44
CD Central Bank, 12/18 #150784	75,000.00
First Bank of the Lake - Money Mkt.	101,524.45
CD St. Elizabeth, 3/19 #400886	50,528.60
Outstanding Checks:	-
Deposit in Transit:	-
	349,802.49

EQUIPMENT REPLACEMENT FUND INCOME AND EXPENSE SUMMARY
10/31/2018

Beginning Balance	528,636.49
Interest - Checking	91.20
Income - CD Interest	-
Transfers From E/R Fund	3,467.00
Transfers to E/R Fund	-
Income - Miscellaneous	-
Expenses	(10,700.61)
Ending Fund Balance	521,494.08
First Bank of the Lake - Money Mkt.	164,565.85
CD Providence Bank, 7/19 #1268880	203,934.35
CD First Bank of the Lake, 01/18 #101318429	102,465.28
CD St. Elizabeth, 3/19 #485431	50,528.60
Deposit in Transit	-
Outstanding Checks:	-
	521,494.08

This page left intentionally blank



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 10/01/2018 - 10/31/2018 Page 1 of 3

Web Address
www.centralbank.net

M
000007297

Your Financial Summary on October 31, 2018

	Bank Deposits	Totals
Bank Deposit Accounts:		
Checking	\$ 122,749.44	
Certificates of Deposit	\$ 75,000.00	
Bank Deposit Total		\$ 197,749.44
Total Assets:	\$ 197,749.44	\$ 197,749.44

Detailed Explanation of Account Balances and Other Assets

Basic Plus Interest Checking

No. 000007297	Beginning Balance September 28, 2018	\$ 110,768.51
Deposits		
Oct. 16	Deposit	5,808.30
Oct. 16	Deposit	40,025.03
Oct. 18	Deposit	2,380.00
Oct. 31	Deposit	1,485.00
Oct. 31	Interest Earned	15.80
Total		+\$ 49,714.13
Checks		
Check No.	Date Paid	Amount
3689	Oct. 24	5,684.73
3690	Oct. 19	3,467.00
3691	Oct. 23	26,584.22
Check No.	Date Paid	Amount
3692	Oct. 23	220.00
3693	Oct. 22	1,532.75
3694	Oct. 22	238.50
Total		-\$ 37,727.20
Withdrawals and other charges		
Date	Type	Transaction Description
Oct. 01	09/2018 TWO SIGNATURE VERI	6.00
Total		-\$ 6.00
Ending Balance October 31, 2018		\$ 122,749.44

CHECK REGISTER - JOINT SEWER BOARD OPERATION FUND

reconciled balance 6/30/18				173,195.55	
3668	Ameren MO	X	11,386.78	-	161,808.77
3669	Equipment Replacement Fund	X	3,467.00		158,341.77
3670	Alliance Water Resources, Inc.	X	26,584.22		131,757.55
3671	Alliance Water Resources, Inc.	X	1,900.00		129,857.55
3672	Alliance Water Resources, Inc.	X	1,338.18		128,519.37
3673	Gerding, Korte & Chitwood	X	2,300.00	-	126,219.37
	Deposit LO	X	-	6,315.26	132,534.63
	Deposit OB	X		39,518.08	172,052.71
	Deposit	X		4,280.00	176,332.71
	Interest	X		13.40	176,346.11
reconciled balance 7/31/18				176,346.11	
3674	Dept of Revenue	X	11.00		176,335.11
3675	Ameren MO	X	10,416.89	-	165,918.22
3676	Equipment Replacement Fund	X	3,467.00		162,451.22
3677	Alliance Water Resources, Inc.	X	26,584.22		135,867.00
3678	Alliance Water Resources, Inc.	X	2,140.00		133,727.00
3679	Alliance Water Resources, Inc.	X	445.97		133,281.03
3680	Naught Naught	X	1,073.00	-	132,208.03
	Two signature verification chg.	X	6.00		132,202.03
	Deposit LO	X	-	5,612.20	137,814.23
	Deposit OB	X		40,221.13	178,035.36
	Deposit	X		3,000.00	181,035.36
	Interest	X		13.69	181,049.05
reconciled balance 8/31/18				181,049.05	
3681	Ameren MO	X	10,399.56		170,649.49
3682	Equipment Replacement Fund	X	3,467.00	-	167,182.49
3683	Alliance Water Resources, Inc.	X	26,584.22		140,598.27
3684	Alliance Water Resources, Inc.	X	1,500.00		139,098.27
3685	Alliance Water Resources, Inc.	X	1,266.06		137,832.21
3686	Roemer's Heavy Equip & Truck	X	2,007.41		135,824.80
3687	Mission Communications LLC	X	407.40	-	135,417.40
3688	Lake Sun Leader	X	31.50		135,385.90
	Two signature verification chg.	X	5.00		135,380.90
	Deposit LO	X	-	5,676.55	141,057.45
	Deposit OB	X		40,156.78	181,214.23
	Deposit	X		4,540.00	185,754.23
	Interest	X		14.28	185,768.51
reconciled balance 9/30/18				185,768.51	
3689	Ameren MO	X	5,684.73		180,083.78
3690	Equipment Replacement Fund	X	3,467.00		176,616.78
3691	Alliance Water Resources, Inc.	X	26,584.22		150,032.56
3692	Alliance Water Resources, Inc.	X	220.00		149,812.56
3693	Alliance Water Resources, Inc.	X	1,532.75		148,279.81
3694	Lake Sun Leader	X	238.50		148,041.31
	Two signature verification chg.	X	6.00		148,035.31
	Deposit LO	X	-	5,808.30	153,843.61
	Deposit OB	X		40,025.03	193,868.64
	Deposit	X		2,380.00	196,248.64
	Purple Wave	X		1,485.00	197,733.64
	Interest	X		15.80	197,749.44
reconciled balance 10/31/18				197,749.44	



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

536 00010 01
ACCOUNT:
DOCUMENTS:

PAGE: 1
10/31/2018
101318411
3

00112 3119797 10Z ATM 608.122.1.4

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



First Bank of the Lake takes the security of our client's financial accounts very seriously. Due to a global rise in identity theft and online fraud, we are now offering the ability to add secure access codes and security questions to your account information. If you would like to add this additional layer of security to your accounts with us, please call us at 573-348-2265.

MONEY MARKET ACCOUNT ACCOUNT 101318411 (BUSINESS MONEY MARKET)

LAST STATEMENT 09/28/18 273,078.22
2 CREDITS 3,712.69
2 DEBITS 10,700.61
THIS STATEMENT 10/31/18 266,090.30

DEPOSITS
REF #.....DATE.....AMOUNT REF #.....DATE.....AMOUNT REF #.....DATE.....AMOUNT
10/18 3,467.00

OTHER CREDITS
DESCRIPTION DATE AMOUNT
INTEREST 10/31 245.69

CHECKS
CHECK #..DATE.....AMOUNT CHECK #..DATE.....AMOUNT CHECK #..DATE.....AMOUNT
1025 10/25 9,522.52 1026 10/22 1,178.09

INTEREST
AVERAGE LEDGER BALANCE: 272,172.14 INTEREST EARNED: 245.69
AVERAGE AVAILABLE BALANCE: 271,751.90 DAYS IN PERIOD: 33
INTEREST PAID THIS PERIOD: 245.69 ANNUAL PERCENTAGE YIELD EARNED: 1.00%
INTEREST PAID 2018: 2,022.00

*** CONTINUED ***



NOTICE: SEE REVERSE SIDE FOR IMPORTANT INFORMATION



JSB - CHECK REGISTERS 2018

CHECK REGISTER - JOINT SEWER BOARD EQUIPMENT REPLACEMENT FUND

	reconciled balance 6/30/18			291,428.04
	Interest	X	256.35	291,684.39
	Deposit	X	3,467.00	295,151.39
	reconciled balance 7/31/18			295,151.39
	Interest	X	247.40	295,398.79
	Deposit	X	3,467.00	298,865.79
1024	Hutcheson Ford Sales, Inc.	X	29,462.00	269,403.79
	reconciled balance 8/31/18			269,403.79
	Interest	X	207.43	269,611.22
	Deposit	X	3,467.00	273,078.22
	reconciled balance 9/30/18			273,078.22
	Interest	X	245.69	273,323.91
	Deposit	X	3,467.00	276,790.91
1025	Natural Gas Solutions LLC	X	9,522.52	267,268.39
1026	John Henry Foster	X	1,178.09	266,090.30
	reconciled balance 10/31/18			266,090.30

CAPITAL IMPROVEMENT ITEM DESCRIPTIONS
For Consideration
BUDGET YEAR 2019

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. Parking Lot Sealing and Crack Filling.	(estimated)	\$2,000		New
5. Replacement BOD & Ammonia probes	(estimated)	\$2,000		New
6. Expanded Effluent Testing for Permit Renewel for next renewel	(estimated)	\$1,500		New/last one for this permit
7. Replacement grit concentrator, volute & cart for the pista grit system	(estimated)	\$15,000		New
8. Replacement LED parking lot/area lighting	(estimated)	\$10,000		New - Carryover
9. Replacement impellers for RAS pumps, a couple per year	(estimated)	\$7,500		New - Carryover
10. Rebulld Ducking Skimmer Arm & Arm Supports on Clarifier #2	(estimated)	\$5,000		New - Carryover
11. Replace wooden doors w/ fiberglass doors, a couple per year	(estimated)	\$2,000		New - Carryover
12. Rock for the Road	(estimated)	\$2,000		Annual Maint.
13. Knapheide Mini Pro Tailgate Spreader for Ford pickup	(estimated)	\$2,000		New
Estimated Tier 1 Total		\$68,500		

TIER 2

1. Replace electrical panel & components and repair pump in potable well house.	(estimated)	\$10,000		New
2. Replace electrical panel and components in RAS Basement	(estimated)	\$ 40,000		New
3. Take #2 Aeration Basin down, removal of grit by Contractor and repair valves and required lab testing on grit.	(estimated)	\$100,000		New
Estimated Tier 2 Total		\$150,000		

Informational TIER 3

1. 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		\$165,000 to \$180,000		

This page left intentionally blank

**LAKE OZARK - OSAGE BEACH JOINT SEWER TREATMENT PLANT
2019 BUDGET WORKSHEET
REVENUE**

Operating Fund	2016 Actual	2017 Actual	2018 Budget	2018 10/31/2018	2018 Nov/Dec	2018 Total Est.	2019 Proposed	2019 Proposed
3020 Osage Beach	475,802.57	478,614.41	473,000.00	401,486.88	77,013.12	478,500.00	478,500.00	
3010 Lake Ozark	74,197.42	71,385.58	77,000.00	56,846.43	14,653.57	71,500.00	71,500.00	
3030 Misc.				1,485.00				
3100 Interest	368.52	781.57	200.00	1,218.50	200.00	1,418.50	400.00	
3060 Waste Haulers'	33,480.00	30,500.00	35,000.00	22,480.00	5,000.00	27,480.00	30,000.00	
Total Operating	583,828.51	581,281.56	585,200.00	483,516.81	96,866.69	578,898.50	580,400.00	
Equipment Replace.								
Transfers-Oper:	41,606.04	41,604.17	41,606.04	34,670.17	10,401.51	45,071.68	41,606.04	
Interest Revenu	2,847.67	2,319.07	1,500.00	3,360.61	400.00	3,760.61	3,000.00	
Total E.R. Reve	44,453.71	43,923.24	43,106.04	38,030.78	10,801.51	48,832.29	44,606.04	

**LAKE OZARK - OSAGE BEACH JOINT SEWER TREATMENT PLANT
2019 BUDGET WORKSHEET
EXPENDITURES**

	2016 Actual	2017 Actual	2018 Budget	2018 10/31/2018	2018 Nov/Dec	2018 Total Est.	2019 Proposed	2019 Proposed
4000 Equip. Replace Fund	41,606.04	41,604.17	41,604.00	34,670.17	6,934.00	41,604.17	41,604.00	
4020 Equip & Bldg. Repair/Main.	16,735.50	129,789.11	115,000.00	8,349.52	78,000.00	86,349.52	122,000.00	*
4140 Insurance	16,977.00	17,144.00	17,600.00	18,475.25	-	18,475.25	19,030.25	
4150 Vehicle Repair/Main.	951.93	12,047.61	3,000.00	3,472.23	1,500.00	4,972.23	3,000.00	***
4160 Haulers Fees to Contractor	8,000.00	8,000.00	8,000.00	8,000.00	-	8,000.00	8,000.00	
4170 Contract Management	303,638.88	311,229.84	320,566.84	265,842.20	53,168.44	319,010.64	328,580.64	
4175 Electric	72,637.17	69,281.90	75,000.00	70,485.53	8,613.00	79,098.53	80,000.00	
4190 Bank Charges	0.00	24.35	0.00	17.00	6.00	23.00	60.00	
4200 Audit	2,158.50	2,200.00	2,300.00	2,300.00	-	2,300.00	2,400.00	
4220 Professional Services	9,207.94	1,200.00	1,200.00	-	-	-	-	
4240 Equipment Purch-New	0.00	0.00	150,000.00	-	-	-	152,000.00	
Generator				-	-	-	-	
Total Operating Fund	473,912.96	592,500.98	734,270.84	411,611.90	148,221.44	559,833.34	756,674.89	
E/R Expenses per Alliance	7,980.42	7,980.42	67,500.00	40,162.61	2,620.00	42,782.61	91,500.00	**
Disinfectin System	-	-	-	-	-	-	-	
Total E.R. Fund	7,980.42	7,980.42	67,500.00	40,162.61	2,620.00	42,782.61	91,500.00	
TOTAL EXPENSES	481,893.38	600,481.40	801,770.84	451,774.51	160,841.44	602,615.95	848,174.89	

****Equipment & Replacement**

Rebuild Ducking Skimmer /	5,000.00	Tier 1
Replace BOD & Ammonia p	2,000.00	Tier 1
Replace grit concentrator, vc	15,000.00	Tier 1
Replace wooden doors	2,000.00	Tier 1
Replace impellers for RAS	7,500.00	Tier 1
Replace LED parking lot lig	10,000.00	Tier 1
Replace electric panel & pu	10,000.00	Tier 2
Replace electric panel in R/	40,000.00	Tier 2
	91,500.00	

*****Vehicle Repair/Maint**

Vehicle Maintenance	3,000.00	Tier 1
	3,000.00	

***Maintenance & Repair**

Auto Dialer Yrly Software Fee	500.00	Tier 1
Effluent Testing for Permit Renewal	1,500.00	Tier 1
Normal Maintenance	8,000.00	Tier 1
UV Spare Parts	8,000.00	Tier 1
Road and parking lot main	4,000.00	Tier 1
#2 Aeration Basin repair vives lab testing	100,000.00	Tier 2
	122,000.00	

ESTIMATED FUND BALANCES

OPERATING FUND

BALANCE 1/1/18	277,898.00
TOTAL ESTIMATED REVENUE	578,898.50
TOTAL ESTIMATED EXPENSES/TRANSFERS	<u>(559,833.34)</u>
BALANCE 12/31/18	296,963.16
TOTAL ESTIMATED REVENUE	580,400.00
TOTAL ESTIMATED EXPENSES/TRANSFERS	<u>(756,674.89)</u>
BALANCE 12/31/19	<u>120,688.27</u>

EQUIPMENT REPLACEMENT FUND

BALANCE 1/1/18	523,626.00
TOTAL ESTIMATED REVENUE/TRANSFERS	48,832.29
TOTAL ESTIMATED EXPENSES	<u>(42,782.61)</u>
BALANCE 12/31/18	529,675.68
TOTAL ESTIMATED REVENUE/TRANSFERS	44,606.04
TOTAL ESTIMATED EXPENSES	<u>(91,500.00)</u>
BALANCE 12/31/19	<u>482,781.72</u>

This page left intentionally blank

**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 October 2018

Submitted by Alliance Water Resources, Inc. for the

November 2018

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-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	1.4	2.1	N/A	< 20		0.04	< 5.0	< 1.0
Peak Day	1.5	2.7	8.1	< 20		0.06	< 5.0	< 1.0
Percent Removal	99.2	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	126		2.2	10	4.0
Weekly Average	45	45		630				
Daily Max						11.5	15	8.1

PLANT HYDRAULIC AND ORGANIC LOADING

The average daily influent flow for the month was 1.573 MGD or 52% 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 70475 pounds of BOD.

BIOSOLIDS APPLICATION AND INVENTORY

Plant personnel land applied 38 tanker loads of bio-solids during the month equivalent to a total of 140,600 gallons and 48,447 pounds dry weight solids.

487,556 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 202,500 gallons with a level of 3.0 feet in Tank 1 and 1.5 feet in Tank 2.

WASTEHAULERS

The plant received 21 loads of septage during the month totaling 59,500 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)
- We pulled the motor off aerator six on the 16th of October to install the new oil seals and found that we needed some inserts for the flex coupler that connects the motor to the gear box. We ordered the minimum order of 3 sets and received them on November 2nd.
- When we started the sludge truck on 24th of October it wouldn't build any air pressure. We called Larry Roemer and he came out and got us going, but it did it again on the 29th and he came back to the plant and replaced the air governor.

SAFETY

- We conducted our monthly routine Safety Meeting on Fire Safety on the 16th of October.

REGULATORY AGENCY, INSPECTION AND REPORTS

- We filled out the EDMR on MDNR's website on the 5th of November.
- We received the results for our 4th quarter 503 sludge regs on the 16th of October and everything looked good.

MISCELLANEOUS AND RECOMMENDATIONS

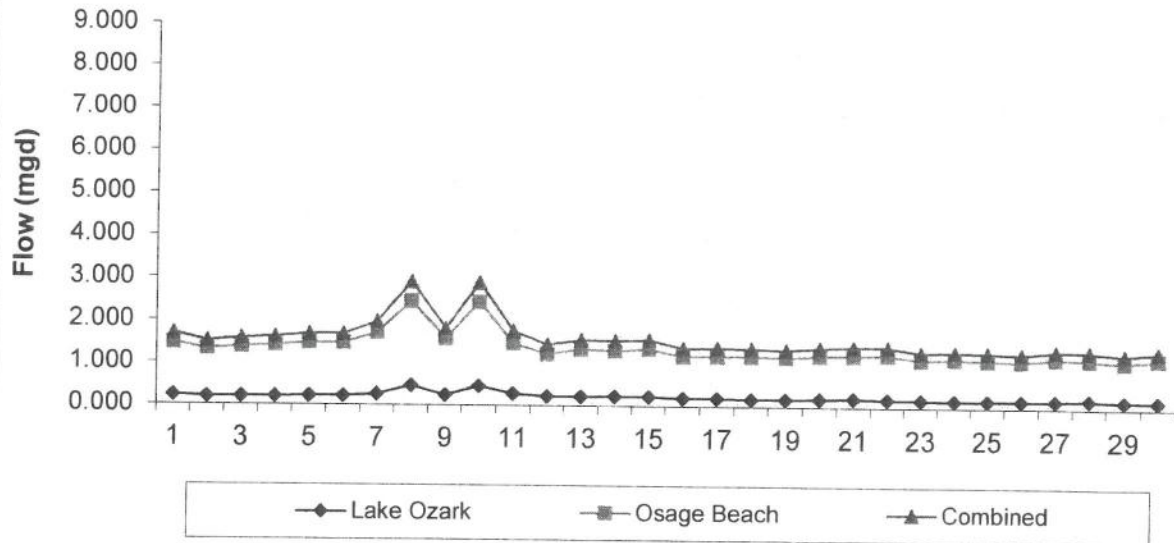
- Alliance would like to invite all Joint Sewer Board members and guest to our annual new year get together at Wobbly Boots BBQ in Osage Beach right after the January 15, 2019 Joint Sewer Board meeting. Please let us know how many from each City will be attending and look forward to seeing everyone there.

TABLE A
LAKE OZARK/OSAGE BEACH WWTP

MONTH OF October 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-Oct	0	0.227	1.468	1.695	13.4	86.6						
2-Oct	0	0.191	1.326	1.517	12.6	87.4						
3-Oct	0	0.202	1.377	1.579	12.8	87.2						
4-Oct	0.1	0.202	1.416	1.618	12.5	87.5						
5-Oct	0.8	0.213	1.469	1.682	12.7	87.3	145	113	148	116	86	192
6-Oct	0	0.211	1.473	1.684	12.5	87.5						
7-Oct	0.7	0.260	1.717	1.977	13.2	86.8						
8-Oct	2.6	0.462	2.450	2.912	15.9	84.1						
9-Oct	0	0.238	1.577	1.815	13.1	86.9						
10-Oct	1.75	0.455	2.431	2.886	15.8	84.2						
11-Oct	0	0.283	1.472	1.755	16.1	83.9						
12-Oct	0.2	0.221	1.224	1.445	15.3	84.7	75	78	100	58	68	128
13-Oct	0.25	0.216	1.340	1.556	13.9	86.1						
14-Oct	0.25	0.231	1.313	1.544	15.0	85.0						
15-Oct	0.0	0.225	1.349	1.574	14.3	85.7						
16-Oct	0	0.191	1.184	1.375	13.9	86.1						
17-Oct	0	0.195	1.195	1.390	14.0	86.0						
18-Oct	0	0.179	1.194	1.373	13.0	87.0						
19-Oct	0	0.178	1.167	1.345	13.2	86.8	198	189	160	216	136	160
20-Oct	0.1	0.190	1.209	1.399	13.6	86.4						
21-Oct	0	0.208	1.219	1.427	14.6	85.4						
22-Oct	0	0.186	1.239	1.425	13.1	86.9						
23-Oct	0	0.177	1.128	1.305	13.6	86.4						
24-Oct	0	0.167	1.149	1.316	12.7	87.3						
25-Oct	0	0.169	1.130	1.299	13.0	87.0						
26-Oct	0.25	0.168	1.107	1.275	13.2	86.8	188	208	285	174	118	640
27-Oct	0	0.177	1.170	1.347	13.1	86.9						
28-Oct	0	0.200	1.149	1.349	14.8	85.2						
29-Oct	0	0.173	1.098	1.271	13.6	86.4						
30-Oct	0	0.172	1.167	1.339	12.8	87.2						
31-Oct	0.5	0.171	1.130	1.301	13.1	86.9						
SUM	7.5	6.738	42.037	48.775								
AVG		0.217	1.356	1.573	14	86	152	147	173	141	102	280
NOTE: BOLD PRINT INDICATES WEEKEND DAYS												

**Daily Flow
Figure 1**



**Effect of Rainfall on Flow
Figure 2**

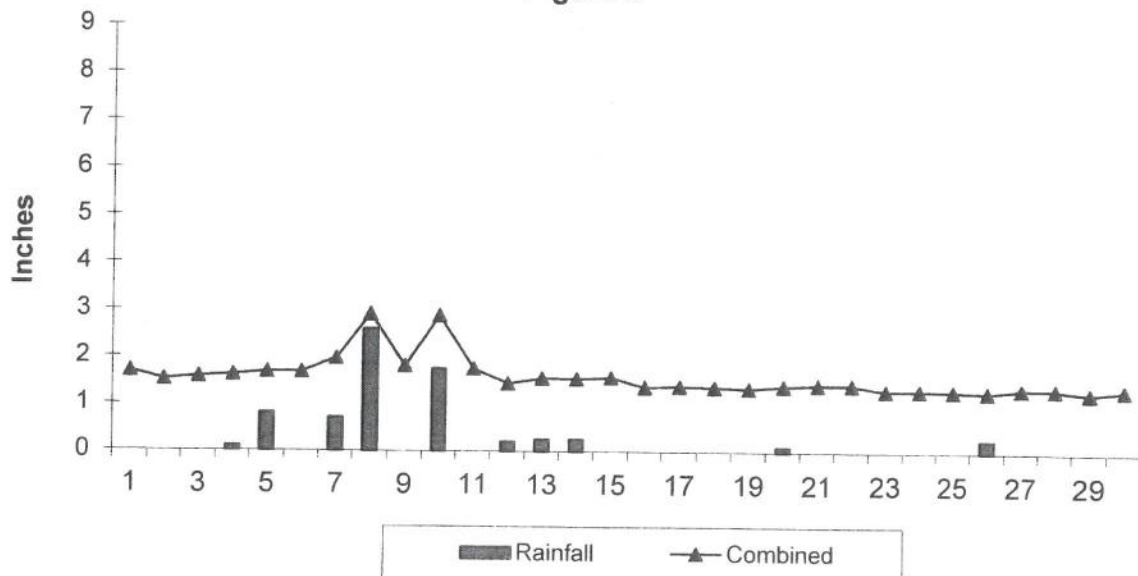
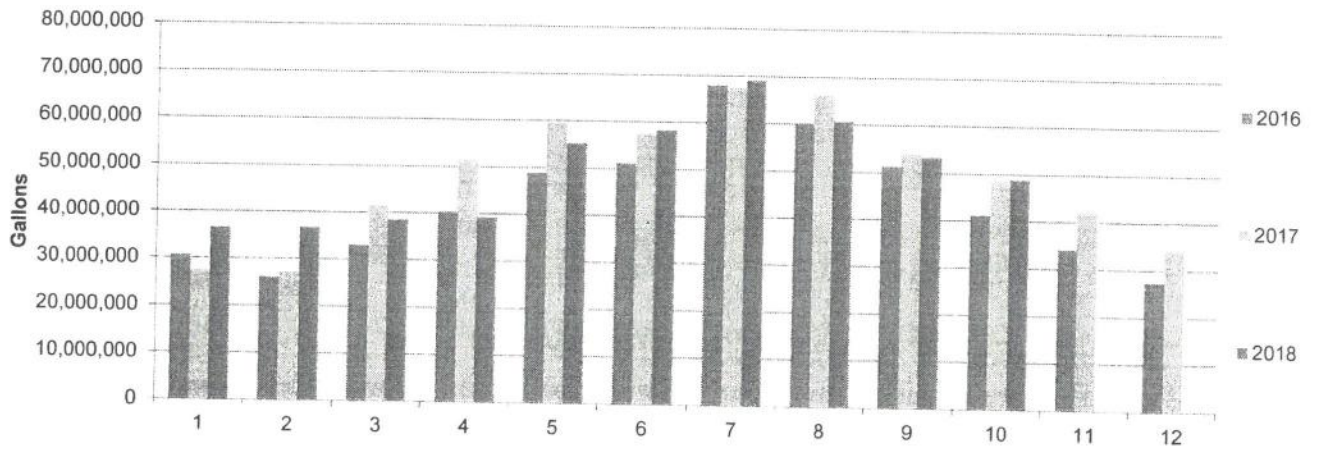


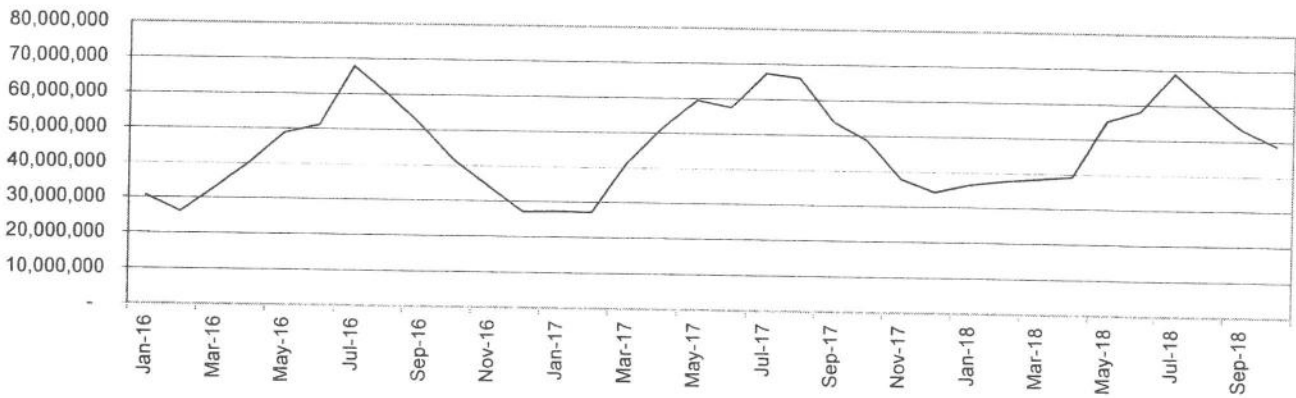
TABLE B
JOINT SEWER BOARD
Monthly Flows

<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	5.4	31,846,000	87%	4,861,000	13%	36,707,000	100%
March	3.2	33,424,000	87%	5,010,000	13%	38,434,000	100%
April	1.9	34,339,000	88%	4,896,000	12%	39,235,000	100%
May	5.4	47,620,000	86%	7,610,000	14%	55,230,000	100%
June	3.2	51,063,000	88%	7,125,000	12%	58,188,000	100%
July	2.7	60,484,000	88%	8,550,000	12%	69,034,000	100%
August	6.9	52,916,000	87%	7,679,000	13%	60,595,000	100%
September	3.4	46,228,000	87%	7,013,000	13%	53,241,000	100%
October	7.5	42,037,000	86%	6,738,000	14%	48,775,000	100%
November							
December							
	42.4	432,147,000	87%	63,827,000	13%	495,974,000	100%

Monthly Influent Flow
Figure 3A

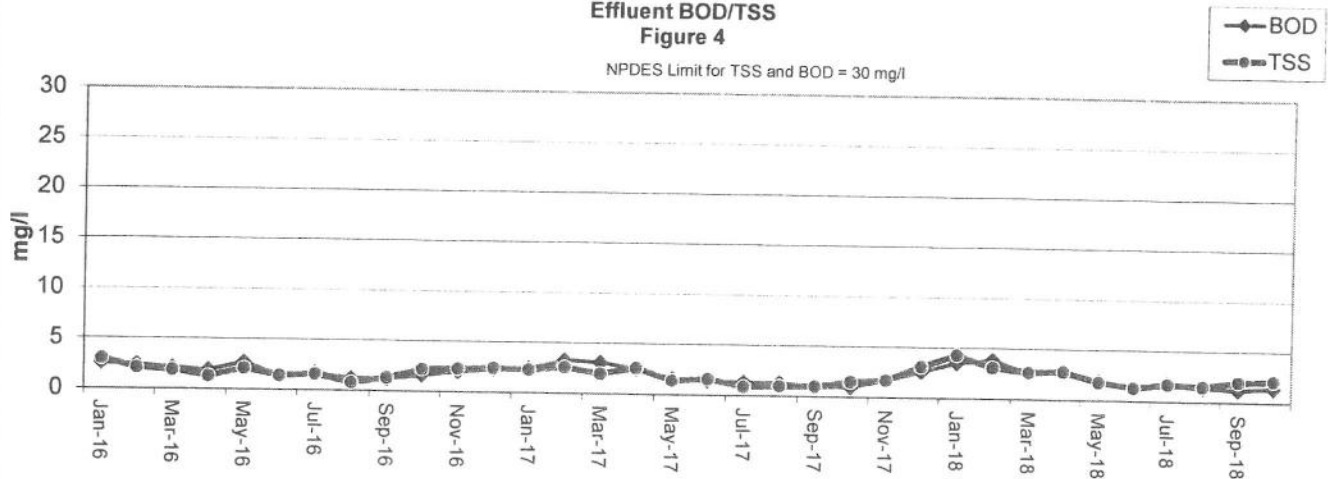


Monthly Influent Flow
Figure 3B

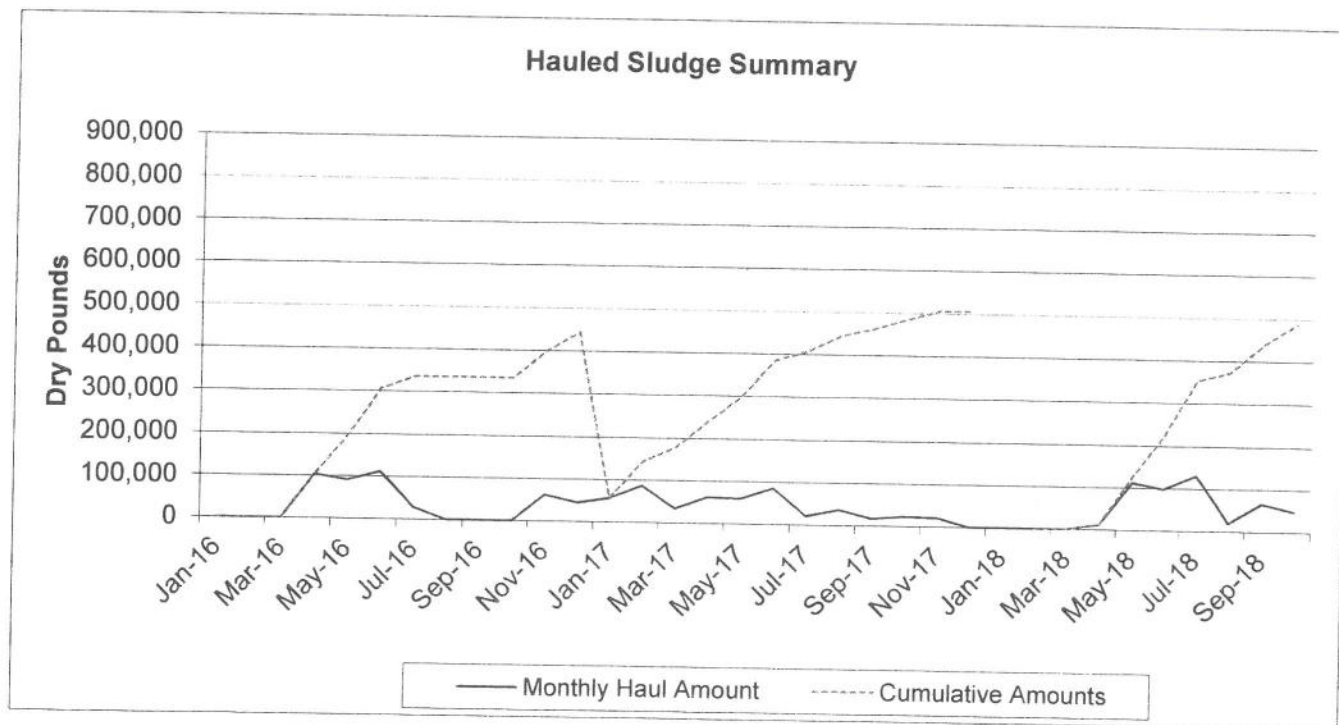
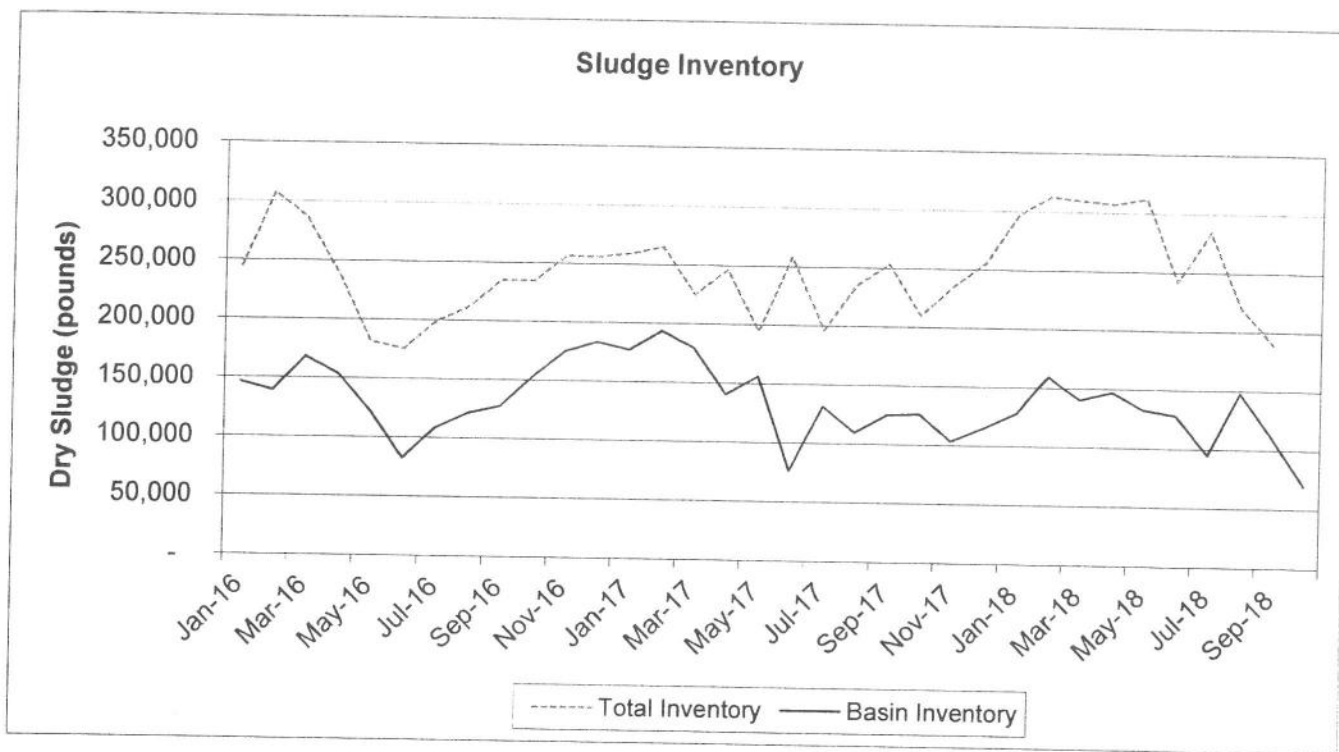


Effluent BOD/TSS
Figure 4

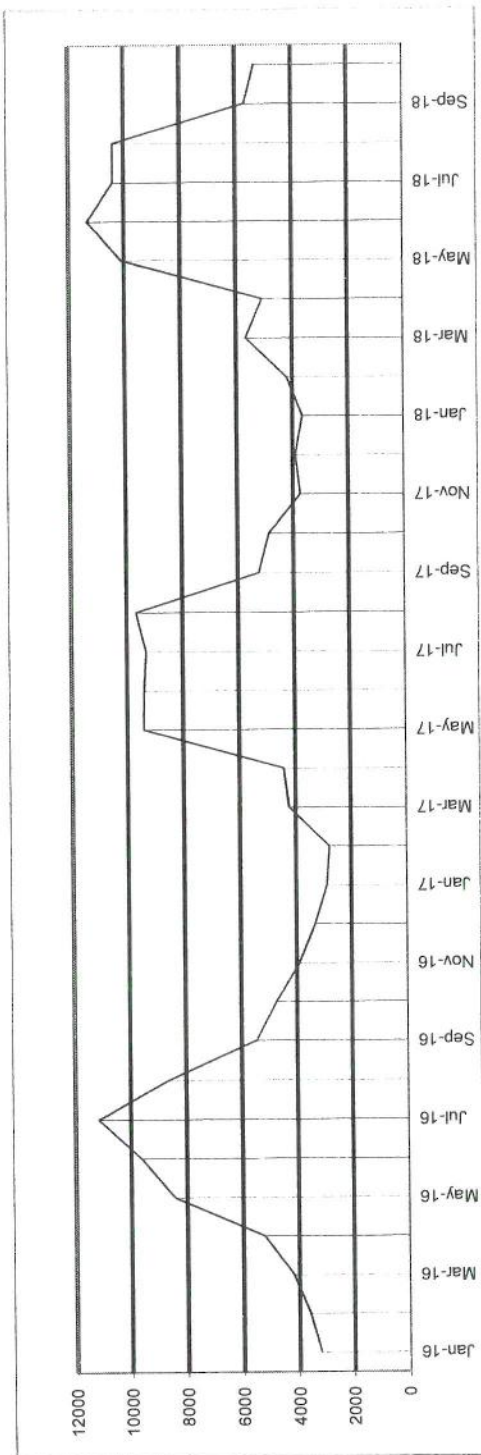
NPDES Limit for TSS and BOD = 30 mg/l



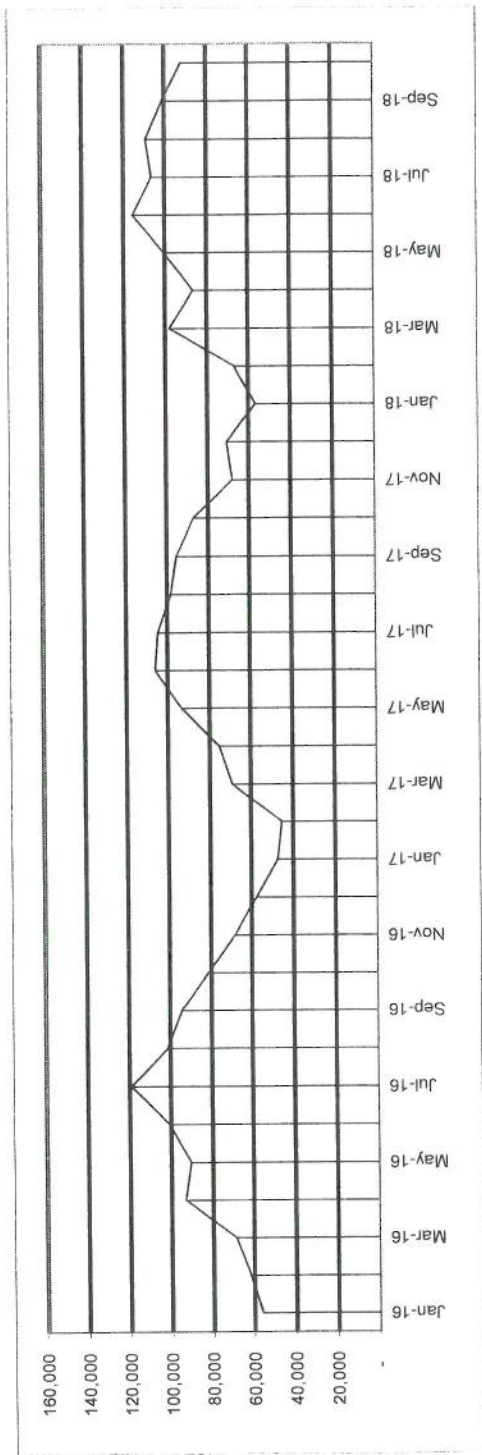
	Basin Depths			Blanket Depths			MLSS Inventory			Blanket and MLSS Inventory			MLSS		Total Dry Sludge Inventory
	Tank #1	Tank #2	AB #1	AB #2	Basin Gallons	# Dry	Clar #1	Clar #2	Clar #3	MLSS AB #1	MLSS AB #2	Gallons	# Dry	% Solids	
Jan-16	0	5.0	0.0	0.0	450,000	146,367	0.5	0.5	0.0	3,760	3,610	3,617,762	111,184	0.00369	257,551
Feb-16	0	6.0	3.5	0.0	427,500	139,049	1.0	1.0	0.0	3,210	3,730	3,635,524	105,211	0.00347	244,260
Mar-16	0	6.0	5.5	0.0	417,500	168,322	2.0	2.0	1.0	4,670	4,320	3,714,476	139,249	0.00445	307,571
Apr-16	86	5.5	5.0	0.0	472,500	153,914	2.5	2.5	1.0	5,540	3,180	3,732,238	132,600	0.00426	286,515
May-16	77	5.5	3.0	0.0	382,500	122,423	1.0	5.0	1.0	3,770	3,670	3,750,000	116,343	0.00372	238,766
Jun-16	99	6.0	0.0	0.0	270,000	82,339	1.5	1.0	1.5	2,570	3,840	3,709,547	98,155	0.00321	181,494
Jul-16	28	4.5	4.0	0.0	382,500	108,577	1.0	1.0	1.0	1,740	2,630	3,678,952	67,041	0.00219	175,618
Aug-16	0	6.0	3.5	0.0	427,500	121,222	1.0	1.0	1.0	2,880	2,220	3,678,952	78,240	0.00255	199,462
Sep-16	0	5.0	5.0	0.0	450,000	153,122	1.0	1.0	1.0	2,800	2,690	3,678,952	84,223	0.00275	211,825
Oct-16	0	6.5	5.5	0.0	540,000	175,295	1.0	1.0	1.5	1,740	3,600	3,678,952	81,922	0.00267	235,045
Nov-16	52	7.5	4.5	0.0	540,000	183,393	1.0	0.0	1.0	-	3,770	1,882,904	59,202	0.00377	234,497
Dec-16	36	6.0	6.0	0.0	540,000	177,132	1.0	0.0	1.0	-	4,700	1,861,190	72,955	0.0047	296,348
Jan-17	47	6.0	6.0	0.0	540,000	183,393	1.0	0.0	1.0	-	5,080	1,861,190	78,853	0.00508	255,986
Feb-17	68	5.5	7.0	0.0	540,000	177,132	1.5	0.0	2.0	-	4,090	1,913,499	65,271	0.00409	258,991
Mar-17	33	6.5	6.5	0.0	562,500	193,720	3.0	0.0	1.0	-	5,400	1,896,714	85,420	0.0054	265,019
Apr-17	59	7.5	6.5	0.0	630,000	179,589	8.0	10.0	1.5	-	4,630	2,184,858	94,367	0.00463	224,939
May-17	51	7.0	4.0	0.0	495,000	140,573	1.0	1.5	0.5	3,420	2,480	3,666,119	90,198	0.00295	246,426
Jun-17	75	4.5	5.5	0.0	450,000	131,540	3.0	2.5	1.5	4,530	3,000	3,762,833	118,153	0.00377	194,610
Jul-17	20	5.0	4.5	0.0	427,500	109,704	1.0	0.5	1.0	4,670	3,650	3,657,238	126,886	0.00416	258,426
Aug-17	39	6.0	3.5	0.0	427,500	125,008	0.5	1.0	1.0	2,910	2,740	3,670,071	86,469	0.00283	196,173
Sep-17	16	8.0	3.0	0.0	405,000	126,158	0.5	1.0	1.0	3,880	3,300	3,670,071	109,884	0.00359	234,892
Oct-17	20	4.5	3.5	0.0	360,000	103,583	1.0	1.5	0.5	4,520	3,780	3,670,071	127,025	0.00415	253,182
Nov-17	20	6.0	3.0	0.0	405,000	114,842	1.0	1.5	1.0	2,890	4,060	3,666,119	106,250	0.00348	209,832
Dec-17	0	5.5	4.5	0.0	450,000	127,602	0.5	1.0	1.0	3,680	4,120	3,667,833	119,950	0.0039	234,792
Jan-18	0	7.5	5.0	0.0	495,000	159,503	2.0	4.0	1.0	4,390	4,040	3,626,643	127,488	0.00422	255,090
Feb-18	0	5.5	5.5	0.0	495,000	140,362	0.5	0.5	0.5	4,880	3,920	3,750,000	137,610	0.0044	297,113
Mar-18	0	5.0	6.0	0.0	495,000	147,114	0.5	0.5	0.5	5,880	5,780	3,639,476	172,406	0.00568	312,769
Apr-18	11	4.5	4.5	0.0	405,000	132,638	0.5	0.5	0.5	5,880	5,780	3,639,476	162,542	0.00536	309,655
May-18	93	4.0	5.5	0.0	427,500	128,589	4.0	3.0	1.0	5,670	5,040	3,639,476	174,693	0.00576	307,321
Jun-18	88	3.0	4.5	0.0	337,500	94,853	1.0	0.5	1.5	6,190	5,490	3,676,762	183,511	0.00584	312,100
Jul-18	126	5.0	2.5	0.0	337,500	147,776	2.5	1.0	1.0	4,570	4,990	3,691,785	147,174	0.00478	242,026
Aug-18	12	4.5	2.5	0.0	315,000	110,338	0.5	1.0	0.0	4,680	4,170	3,705,595	136,753	0.00443	284,531
Sep-18	51	4.5	2.5	0.0	315,000	110,338	0.5	1.0	0.0	3,920	3,340	3,626,643	109,794	0.00363	220,132
Oct-18	38	3.0	1.5	0.0	202,500	69,776	0.5	0.5	0.0	4,290	3,640	3,617,762	119,633	0.00397	189,409



Electric Cost



Kilowatts Used



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
Feb-18	4207	66,930
Mar-18	5667	98,010
Apr-18	5060	86,650
May-18	10116	100,520
Jun-18	11336	115,750
Jul-18	10417	106,550
Aug-18	10400	109,290
Sep-18	5685	101,170
Oct-18	5317	92,210



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

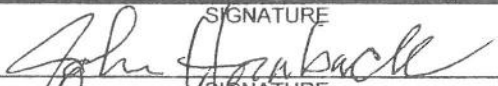
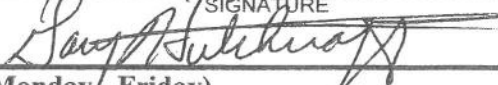
NAME OF FACILITY					LOCATION ADDRESS & CITY								COUNTY/REGION	
Lake of the Ozarks Regional WWTP #1					#3 Anderson Road								Miller/SWRO	
MONTH/YEAR		PERMIT NUMBER			OUTFALL NUMBER		TYPE TREATMENT FACILITY							
Oct-18		MO-0103241			#001		Oxidation Ditch/UV/Sludge Holding-sludge is land applied							
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			23.1	1.761	8.0				5.5	< 20	22.2		
2	7.5			22.7	1.577	7.8				5.0		22.3		
3	7.5			23.2	1.519	7.9				5.0		23.3		
4	7.4			22.5	1.624	8.0			0.06	4.8		23.2		
5	7.4	148	192	22.3	1.838	7.9	1.2	2.0		5.1		21.9	99.2	99.0
6	7.4			22.9	1.689	7.9				5.2		22.9		
7	7.3			22.6	2.053	7.8				4.8		22.8		
8	7.4			22.7	3.052	7.9				3.9		23.3		
9	7.5			22.8	1.808	8.0				4.8	< 20	23.3		
10	7.4			22.3	3.104	8.0				4.1		22.9		
11	7.6			20.1	1.882	7.9			0.03	5.2		20.7		
12	7.4	100	128	20.5	1.643	7.8	1.3	1.3		5.6		18.9	98.7	99.0
13	7.4			19.8	1.765	8.0				5.7		17.8		
14	7.6			19.2	1.690	8.0				6.1		17.7		
15	7.6			18.7	1.732	8.0				5.6	< 20	16.8		
16	7.5			18.7	1.562	7.8				8.2		16.5		
17	7.7			18.6	1.527	8.0				6.4		16.3		
18	7.7			18.0	1.509	8.1			0.02	7.0		16.3		
19	7.7	160	160	18.9	1.467	8.1	1.4	2.2		6.5		16.9	99.1	98.6
20	7.6			18.0	1.469	7.9				6.0		16.4		
21	7.5			17.1	1.541	7.9				6.3		14.6		
22	7.4			19.5	1.555	7.9				6.8	< 20	15.8		
23	7.4			18.5	1.395	7.9				6.8		16.0		
24	7.4			18.0	1.421	7.9				6.9		15.8		
25	7.5			17.6	1.436	8.0			0.04	6.3		16.0		
26	7.4	285	640	18.4	1.429	7.9	1.5	2.7		7.1		16.0	99.5	99.6
27	7.3			18.5	1.523	7.9				7.6		15.6		
28	7.5			18.4	1.400	7.9				7.8	< 20	16.5		
29	7.5			16.1	1.379	7.9				6.8		15.0		
30	7.6			18.0	1.479	8.0				6.3		16.3		
31	7.5			18.6	1.394	7.9				5.9		17.5		
Total					52.223									
Avg		173	280	20	1.685		1.4	2.1	0.04	6.0	< 20	18.6	99.1	99.0
Min	7.3	100	128	16	1.379	7.8	1.2	1.3	0.02	3.9	< 20	14.6	98.7	98.6
Max	7.7	285	640	23	3.104	8.1	1.5	2.7	0.06	8.2	< 20	23.3	99.5	99.6

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	< 5.0	< 1.0	376	343	3.6	< 0.10	33.5	0.25	< 5.0	< 10.0
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
Total	< 5.0	< 1.0	376	343	3.6	< 0.10	33.5	0.25	< 5.0	< 10.0
Avg	< 5.0	< 1.0	376	343	3.6	< 0.10	33.5	0.25	< 5.0	< 10.0
Min	< 5.0	< 1.0	376	343	3.6	< 0.10	33.5	0.25	< 5.0	< 10.0
Max	< 5.0	< 1.0	376	343	3.6	< 0.10	33.5	0.25	< 5.0	< 10.0

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	*RAIN inches	Time
		* DO	** MLSS	*Settleability		* DO	** MLSS	*Settleability		* Ambient		
		mg/l	mg/l	*30 min ml	Temp ° C	mg/l	mg/l	*30 min ml	Temp ° C	Temp ° F		
1		1.2	3,760	700	22.6	1.2	3,490	600	22.6	65	0	7:30
2	6,172	3.1	3,830	710	22.0	1.6	3,710	730	22.3	65	0	7:30
3	7,036	2.6	3,640	680	23.0	1.1	3,440	660	23.2	70	0	7:30
4		2.8	3,820	630	22.8	2.0	3,360	630	23.0	73	0.1	7:30
5		2.7	3,650	680	21.6	2.2	3,460	560	21.7	60	0.8	7:30
6		3.1	3,940	690	22.7	2.9	3,070	490	22.8	68	0	7:30
7		2.0	3,820	690	22.6	1.5	3,390	490	22.7	67	0.7	7:30
8		1.2	3,960	690	22.9	1.1	3,380	550	23.1	68	2.6	7:30
9		2.7	3,790	600	23.2	1.9	3,590	560	23.2	66	0	7:30
10		1.2	3,620	550	22.9	1.2	3,190	450	22.9	66	1.75	7:30
11		3.8	3,860	680	20.1	2.6	3,380	530	20.1	47	0	7:30
12		3.7	3,610	670	18.4	3.5	2,290	480	18.6	47	0.2	7:30
13		3.9	3,630	710	17.7	3.8	3,720	700	18.0	48	0.25	7:30
14		4.9	3,720	680	17.3	4.5	4,090	740	17.5	49	0.25	7:30
15		4.1	3,210	630	16.5	3.1	3,900	740	16.6	40	0	7:30
16		7.1	3,800	800	15.9	6.2	3,550	690	15.8	37	0	7:30
17		4.8	3,860	740	15.8	4.2	4,120	650	16.3	42	0	7:30
18	3,610	5.0	3,900	790	15.5	4.1	3,910	700	15.9	43	0	7:30
19		5.1	4,020	670	16.3	4.1	3,950	690	16.8	53	0	7:30
20		4.4	4,000	720	16.0	3.4	3,500	590	16.6	46	0.1	7:30
21		4.4	4,190	800	14.8	4.1	3,350	600	15.1	35	0	7:30
22		3.6	4,390	800	15.1	4.6	3,290	550	15.6	42	0	7:30
23	8,516	3.3	4,100	730	15.9	3.3	3,610	560	16.0	48	0	7:30
24	5,431	4.3	3,770	660	15.6	3.3	3,780	630	16.1	38	0	7:30
25	6,789	4.4	3,730	600	15.9	3.0	4,200	700	16.2	49	0	7:30
26		5.0	3,910	650	16.0	3.5	3,900	680	16.3	49	0.25	7:30
27		5.3	3,560	590	15.4	4.2	4,010	720	15.6	43	0	7:30
28		6.1	3,740	570	16.3	5.2	4,190	700	16.6	55	0	7:30
29	4,567	4.8	3,470	530	14.9	2.7	4,330	730	15.3	40	0	7:30
30	6,326	3.0	3,950	630	16.5	2.1	3,740	600	16.9	55	0	7:30
31		2.5	4,290	700	17.8	2.1	3,640	560	17.8	55	0.5	7:30

COMMENTS:

TESTS PERFORMED BY (PRINT)	SIGNATURE	PHONE #	DATE
John Hornback		(573)365-0455	11/5/2018
REPORT APPROVED BY (PRINT)	SIGNATURE	PHONE #	DATE
Gary Hutchcraft		(573)365-0455	11/5/2018

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

MO0103241			001 A		
PERMIT NUMBER			DISCHARGE NUMBER		
MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
2018	10	01	2018	10	31

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	*****	*****		*****	1.5	1.4	mg/L	Weekly	24 Hour Composite	
Stage Type: End of Pipe	REQRMT	*****	*****		*****	Weekly Average : 45	Monthly Average : 30		Weekly	24 Hour Composite	
BOD, 5-day, percent removal (81010)	REPORTD	*****	*****		*****	*****	98.7	%	Monthly	Calculated	
Stage Type: End of Pipe	REQRMT	*****	*****		*****	*****	Monthly Average Minimum : 85		Monthly	Calculated	
Escherichia coli (E. coli) (51040)	REPORTD	*****	*****		*****	<20	<20	#/100mL	Weekly	Grab	
Stage Type: End of Pipe	REQRMT	*****	*****		*****	7 Day Geometric : 630	30 Day Geometric Mean : 126		Weekly	Grab	
Flow, in conduit or thru treatment plant (50050)	REPORTD	3.104	1.685	Mgal/d	*****	*****	*****		Daily	Total Measured	
Stage Type: End of Pipe	REQRMT	Daily Maximum : Monitoring Required	Monthly Average : Monitoring Required		*****	*****	*****		Daily	Total Measured	
Nitrogen, ammonia total (as N) (00610)	REPORTD	*****	*****		0.06	*****	0.04	mg/L	Weekly	Grab	
Stage Type: End of Pipe	REQRMT	*****	*****		Daily Maximum : 11.5	*****	Monthly Average : 2.2		Weekly	Grab	
Oil and grease (soxhlet extr.) tot. (00550)	REPORTD	*****	*****		<5.0	*****	<5.0	mg/L	Monthly	Grab	
Stage Type: End of Pipe	REQRMT	*****	*****		Daily Maximum : 15	*****	Monthly Average : 10		Monthly	Grab	
pH (00400)	REPORTD	*****	*****		7.8	*****	8.1	SU	Weekly	Grab	
Stage Type: End of Pipe	REQRMT	*****	*****		Minimum : 6.5	*****	Maximum : 9.0		Weekly	Grab	

GENERAL PERMIT REQUIREMENTS OR COMMENTS:

OUTFALL-SPECIFIC COMMENTS:

PARAMETER-SPECIFIC COMMENTS:

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

Gary Hutchcraft		7305	
TYPED OR PRINTED NAME		CERTIFICATE NUMBER	
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	
Gary F Hutchcraft		Gary F Hutchcraft	
TYPED OR PRINTED NAME		SIGNATURE	
		2018-11-05 11:14:51	
		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 WWT P
ADDRESS: #3 Anderson Road
LAKE OZARK, MO 65049

MO0103241			001 A		
PERMIT NUMBER			DISCHARGE NUMBER		
MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
2018	10	01	2018	10	31

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS
BEFORE COMPLETING THIS FORM

Parameter		MASS		Unit	CONCENTRATION			Unit	FREQUENCY OF ANALYSIS	SAMPLE TYPE	LAB CODE
Selenium (Sc), total recoverable (00981)	REPORTD	*****	*****		<1.0	****	<1.0	ug/L	Monthly	Grab	
Stage Type: End of Pipe	REQRMNT	*****	*****		Daily Maximum : 9.1	****	Monthly Average : 3.6		Monthly	Grab	
Suspended Solids, percent removal (81011)	REPORTD	*****	*****		*****	*****	98.6	%	Monthly	Calculated	
Stage Type: End of Pipe	REQRMNT	*****	*****		*****	*****	Monthly Average Minimum : 85		Monthly	Calculated	
Total Suspended Solids (TSS) (00530)	REPORTD	*****	*****		*****	2.7	2.1	mg/L	Weekly	24 Hour Composite	
Stage Type: End of Pipe	REQRMNT	*****	*****		*****	Weekly Average : 45	Monthly Average : 30		Weekly	24 Hour Composite	

GENERAL PERMIT REQUIREMENTS OR COMMENTS:

OUTFALL-SPECIFIC COMMENTS:

PARAMETER-SPECIFIC COMMENTS:

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

Gary Hutchcraft		7305	
TYPED OR PRINTED NAME		CERTIFICATE NUMBER	
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	
Gary F Hutchcraft		Gary F Hutchcraft	
TYPED OR PRINTED NAME		SIGNATURE	
		2018-11-05 11:14:51	
		Date	

Page 2

PERMITTEE NAME/ADDRESS

State of Missouri
Department of Natural Resources

Dep. of Natural Resources
(REGIONAL OFFICE)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)Southwest Regional Office
2040 W. Woodland
Springfield, MO 65807-5912
4178914300
4178914399 (fax)NAME: Lake of the Ozarks Regional WWTP 1
ADDRESS: #3 Anderson Road
LAKE OZARK, MO 65049

MO0103241		SM2 A	
PERMIT NUMBER		DISCHARGE NUMBER	
MONITORING PERIOD			
YEAR	MO	DAY	YEAR
2018	10	01	2018 10 31

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS
BEFORE COMPLETING THIS FORM.

Parameter	MASS	Unit	CONCENTRATION	Unit	FREQUENCY OF ANALYSIS	SAMPLE TYPE	LAB CODE
Hardness, total (as CaCO ₃) (00900)	REPORTD REQMNT	*****	*****	343	*****	343	
Stage Type: Instream Monitoring	*****	*****	Daily Maximum : Monitoring Required	*****	Monthly Average : Monitoring Required	Monthly	Grab

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

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

OPERATOR IN RESPONSIBLE CHARGE	
Gary Hutchcraft	7305
TYPED OR PRINTED NAME	CERTIFICATE NUMBER
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE
Gary F Hutchcraft	573-365-0455
Gary F Hutchcraft	2018-11-05 11:14:51
TYPED OR PRINTED NAME	SIGNATURE
	Date

Page 3

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

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

PERMITTEE NAME/ADDRESS

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

MO0103241		001 B	
PERMIT NUMBER		DISCHARGE NUMBER	
MONITORING PERIOD			
YEAR	MO	DAY	YEAR
2018	10	01	2018 12 31

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS
BEFORE COMPLETING THIS FORM.

Parameter		MASS	Unit	CONCENTRATION	Unit	FREQUENCY OF ANALYSIS	SAMPLE TYPE	LAB CODE
Cadmium, total recoverable (01113)	REPORTD	*****	*****	<5.0	*****	<5.0	Quarterly	Grab
Stage Type: End of Pipe	REORMNT	*****	*****	Daily Maximum : Monitoring Required	*****	Monthly Average : Monitoring Required	Quarterly	Grab
Copper, total recoverable (01119)	REPORTD	*****	*****	<10.0	*****	<10.0	Quarterly	Grab
Stage Type: End of Pipe	REORMNT	*****	*****	Daily Maximum : Monitoring Required	*****	Monthly Average : Monitoring Required	Quarterly	Grab
Nitrogen, total (as N) (00600)	REPORTD	*****	*****	33.5	*****	33.5	Quarterly	Grab
Stage Type: End of Pipe	REORMNT	*****	*****	Daily Maximum : Monitoring Required	*****	Monthly Average : Monitoring Required	Quarterly	Grab
Phosphorus, total (as P) (00665)	REPORTD	*****	*****	3.6	*****	3.6	Quarterly	Grab
Stage Type: End of Pipe	REORMNT	*****	*****	Daily Maximum : Monitoring Required	*****	Monthly Average : Monitoring Required	Quarterly	Grab

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

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

Gary Hutchcraft		7305	
TYPED OR PRINTED NAME		CERTIFICATE NUMBER	
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	
Gary F Hutchcraft		573-365-0455	
TYPED OR PRINTED NAME		Date	
SIGNATURE		2018-11-05 11:21:28	

Page 1

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

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

PERMITTEE NAME/ADDRESS

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

MO0103241		SM1 A	
PERMIT NUMBER		DISCHARGE NUMBER	
MONITORING PERIOD			
YEAR	MO	DAY	YEAR
2018	10	01	2018 12 31

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS
BEFORE COMPLETING THIS FORM.

Parameter		MASS	Unit	CONCENTRATION	Unit	FREQUENCY OF ANALYSIS	SAMPLE TYPE	LAB CODE
Nitrogen, total (as N) (00600)	REPORTD	*****	*****	0.25	*****	0.25	Quarterly	Grab
Stage Type: Instream Monitoring	REORMNT	*****	*****	Daily Maximum : Monitoring Required	*****	Monthly Average : Monitoring Required	Quarterly	Grab
Phosphorus, total (as P) (00665)	REPORTD	*****	*****	<0.10	*****	<0.10	Quarterly	Grab
Stage Type: Instream Monitoring	REORMNT	*****	*****	Daily Maximum : Monitoring Required	*****	Monthly Average : Monitoring Required	Quarterly	Grab

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

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

Gary Hutchcraft		7305	
TYPED OR PRINTED NAME		CERTIFICATE NUMBER	
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	
Gary F Hutchcraft		573-365-0455	
TYPED OR PRINTED NAME		Date	
SIGNATURE		2018-11-05 11:21:28	

Page 2

LAKE OZARK/OSAGE BEACH WWTP
Operation Report

10 OCTOBER 2018

[illegible]

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

Prepared by CHH, JHL, DH

Approved by: GH

Date 11/8/2018

This page left intentionally blank



Bids for repair of 1 - 7.5 hp Flygt decant lift station pump

Bidder	Cost	Repair includes; Motor Rewind Seal kit, Gaskets & re-paint
Evans Enterprises	No bid	
Independent Electric	\$4,972.16	Repair existing pump
Hupp Electric Motors	\$3,984.75	Repair existing pump
JCI Industries	\$3,300.00	Repair existing pump

Any other necessary parts or repairs above what was quoted will need to be added to cost with prior approval.

This page left intentionally blank

To: Nicholas Edelman
From: Tim Geraghty
Alliance Water Resources, Inc.
cc: Gary Johnson, Gary Hutchcraft, Matt Michalik
Date: 11/6/2018
Re: Requested Details of Contract Proposal Alternatives

In our proposal to the Board, Alliance offered three bid alternatives. Option C included the minimum number of staff and level of service required by the Board's Request for Qualifications. The reduced labor (two-person staff)/level of service included these differences from other alternatives:

- Two full-time, local staff members rather than three.
- Operations and maintenance work that could not be completed by the two local staff members would be performed by Board-hired contractors or consultants, by local staff on overtime, or by Alliance staff from its other (not local) divisions. That work could include all or a portion of:
 - Sludge hauling/field testing of pH/metals
 - Laboratory testing, weekly & monthly
 - Project management/advertisement & letting of bids
 - Facility upkeep and repairs above and beyond regular maintenance
 - Billing and receiving of waste haulers monthly dump fees
 - Testing of waste haulers loads for pH before allowing to dump
 - Installation of new and replacement equipment/improvements (Previous examples of Alliance installations are the bar screens, pista-grit system, the main breaker, and the Clarifier #1 skimmer arm.)
- Less frequent completion of non-essential tasks such as mowing, housekeeping, washing down clarifiers, checking/cleaning of the auto & manual bar screens, and UV system weekly upkeep/cleaning.
- Longer emergency response times.
- Reduced safety backup personnel on site
- More frequent night and weekend on call rotations for local staff
- More overtime required to cover employee training, unforeseen leave and vacation

We hope that this additional information satisfies your request. If you have any further questions, please let me know.

This page left intentionally blank

AGREEMENT FOR CONTRACT OPERATIONS
OF THE
LAKE OZARK AND OSAGE BEACH WASTEWATER TREATMENT FACILITIES

This AGREEMENT, made and entered into this ____ day of _____, 2018
by and between:

The City of Lake Ozark and City of Osage Beach municipal corporations in the Counties of Miller and Camden, State of Missouri, (hereinafter "Cities"), acting through their Joint Sewer Board, (hereinafter "Board") and Alliance Water Resources, Inc., (hereinafter "Alliance") a Missouri corporation with its principal place of business at 206 South Keene St., Columbia, Missouri, agree to the following:

WHEREAS: The Cities own wastewater treatment facilities, (hereinafter "Facilities"); and

WHEREAS: The Board desires to contract with Alliance to provide operation, maintenance and management services for the Facilities, all as more specifically set forth herein below; and

WHEREAS: Alliance desires to provide the services to the Board, subject to the terms and conditions contained herein below; and

WHEREAS: The Board has the authority under the laws of the State of Missouri to enter into a service contract for the operations and maintenance of said Facilities;

NOW THEREFORE, in consideration of the mutual agreements herein contained, and subject to the terms and conditions herein stated, parties hereto agree as follows:

I. PURPOSE

The Board agrees to engage Alliance as an independent contractor to operate and maintain the Facilities during the term of this Agreement.

II. SCOPE OF SERVICES

Performance: Alliance will perform all services necessary for the proper and satisfactory operation and maintenance of the Facilities in full compliance with all legal requirements. Alliance will use accepted operating and maintenance procedures and standard applicable engineering principles during the term of this Agreement. Alliance will keep the Board apprised of changes and proposed changes in Federal, State, and Local laws, rules, and regulations and inform the Board of needed changes to insure compliance.

Wastewater Treatment Plant: Alliance shall operate, maintain, and manage the Facilities so that the water discharge meets or exceeds the wastewater quality requirements established by all

appropriate federal, state, and local regulatory entities depending only upon the conditions set forth in the Effluent Quality paragraph.

Project Management and Staffing: Alliance shall regularly staff the Facilities with three employees experienced and qualified in management, administrative and technical areas of wastewater treatment, process control and wastewater laboratory analysis. Alliance will provide a certified operator on site with a minimum Missouri Class "A" certification in wastewater. In the event the "A" operator position needs to be replaced, Alliance will provide a satisfactorily licensed operator to satisfy MDNR requirements. Said person shall be on-site a minimum of forty (40) hours per week, during regular business hours, throughout the life of this Agreement, except for excused absence, including training, sick leave, vacation, or other leave periods. Facilities operations staff provided shall have or be working toward the required operator licenses. The Board reserves the right to require the removal by Alliance of any employee the Board believes necessary in order to protect the interests of the Board. However, such removal shall not violate applicable State and Federal laws or regulations.

Project Support: Alliance shall provide on-call backup expertise in process control and management and maintenance applications to ensure compliance with this Agreement. This on-call support will have a 30 minute response time target, not to exceed 60 minutes. This support shall not constitute a claim for additional compensation for Alliance.

Maintenance Management: Alliance shall institute a comprehensive preventive maintenance program for all equipment and property assigned to Alliance by the Board through this Agreement. Records maintained by Alliance for the Facilities shall include a history of maintenance for each item of equipment, spare parts inventory, and schedule of programmed maintenance.

Information Systems: Alliance will install and update as needed computer software proven to be effective in management of scheduled and preventive maintenance, process control, energy management, and industrial waste monitoring. Alliance will be trained in the use of these computer systems and processes. All records will be available for review by a designated board representative.

Effluent Quality: Alliance shall operate and maintain the Facilities in such manner that the effluent quality is maintained at all times at a level equal to, or better than, the requirements established by the U.S. Environmental Protection Agency (USEPA), and the Missouri Department of Natural Resources (MoDNR). Alliance will guarantee effluent quality up to design flows and loadings. (See Appendix A.) Subject to terms and conditions on Appendix A.

Fines, Penalties, and Assessments: Alliance shall be responsible and liable for, and shall indemnify and hold harmless the Board against, penalties or fines without dollar limit which may be imposed by the USEPA, MoDNR, or any other regulatory agency having jurisdiction for any effluent quality violations which result due to problems associated with lack of adequate process control or improper operations of the Facilities resulting from Alliance negligence. Additionally,

Alliance shall pay a penalty to the Board equal to two percent (2%) of the total annual contract amount for each month the Facilities fail to meet the requirements of the NPDES permit. Alliance shall not be liable and shall have no duty to indemnify or hold harmless the Board if it can justify by appropriate documentation and evidence that the effluent quality violations occurred as a result of the causes cited in Appendix A.

Alliance shall also be responsible for fines or penalties without any dollar limit imposed by USEPA, MoDNR, or any other regulatory agency having jurisdiction, for failure to comply with the term and conditions of any duly authorized permit, court order, administrative order, law statute, ordinance, etc., for reasons resulting from Alliance's negligence during the period of this Agreement.

Corrective Action: In the event that the effluent quality is not in compliance with the effluent requirements of the NPDES permit, Alliance will submit a report to the Board outlining the proposed corrective action and a schedule thereof. ""

Should the NPDES permit requirements change during the Agreement period, Alliance shall meet the new requirements, provided the existing equipment and/or process is capable of meeting the new requirements. In the event Alliance questions the ability of the existing equipment and/or process to meet the new requirements, the Board will have a qualified engineering firm certify whether or not the Facilities have adequate capability.

Sludge Management and Sludge Disposal: Alliance shall be responsible for handling and disposing of treatment sludge in a manner consistent with existing USEPA and MoDNR - regulations.

Septic Sludge Disposal: Alliance shall allow licensed (Board approved) septic tank hauling contractors to dump septic sludge into the Facilities at the designated area provided all of the following are true: Such wastes are free from organic or inorganic toxic substances (either biologically toxic, or otherwise), which cannot be treated, removed, and reduced to a non-toxic state at the Facilities; such waste do not contain any substances, the discharge of which into the receiving stream would violate any Federal, Interstate, State, or Board rules, requirements, standards, or regulations; and amounts of BOD and suspended solids contained in such waste do not exceed the design loading of the Facilities. All fees applicable to the septic sludge dumping shall be billed and collected by Alliance and transferred to the Board. All septic sludge hauling contractors requesting approval for dumping sludge at the Facilities shall be subject to approval by the Board. Alliance has the right to refuse any septic materials which do not meet Board criteria. Schedule of Septic Sludge Dumping shall be presented to the Board as part of the Annual Budget Process.

Handling and Disposal of Contaminated Sludge: If the influent contains abnormal or biologically toxic substances, the sludge from such influent shall be deemed contaminated. Alliance shall make every effort to isolate such contaminated sludge consistent with current USEPA and MoDNR guidelines. The Board shall reimburse Alliance for overtime and costs directly related to the disposal of the contaminated sludge plus a 10% administrative fee.

If any sludge from the Facilities is classified as hazardous waste as defined by USEPA in the federal regulation, 40 CFR 251 subpart C, which means that the regulatory agencies require the sludge to be transported to a designated hazardous waste landfill, Alliance shall notify the Board and request permission to transport the sludge to a designated landfill. The Board shall reimburse Alliance for the cost of overtime, transport, landfill fees, and any other out-of-pocket costs associated with the handling and disposal of the sludge.

Testing: Alliance shall sample and perform the appropriate influent, effluent, stream, and sludge testing as outlined in the Board's wastewater and land application permits. Should the scope or frequency of testing change due to the requirements of these permits, or to any regulatory or administrative action, Alliance's compensation shall be adjusted upward or downward to reflect the change in its costs.

Laboratory Analysis: Alliance shall perform the necessary testing and laboratory analysis as required by the Board's current wastewater and land application permits as well as for process control. Alliance shall prepare the all state permit monitoring and operation reports and submit them to MoDNR with copies to the Board.

Reporting: Alliance shall submit to the Board 6 days prior to regular scheduled Board Meeting, a report showing the results of all testing done on the Facilities, a description of all maintenance activities, and a copy of the operator's log for the previous month. The report shall include all data required by the NPDES permit. Alliance shall include a report of all required daily, weekly, and monthly maintenance, and specify whether or not all maintenance was or was not performed. If maintenance was not performed as required, an explanation must be provided in writing to the Board.

Reports shall include, but not be limited to, the following:

- A report showing all discharge tests and stating whether or not those parameters are being met.
- A monthly flow report showing daily and monthly flows for both cities separately.
- A monthly sludge report showing any test results and areas where sludge has been released, and whether or not the owner of the area has signed a release allowing sludge to be distributed.
- Annual cost of operation report.

Records of Operation: Alliance shall maintain necessary and sufficient records of operation and maintenance activities to meet local, state, and federal requirements under the NPDES and land application permits. These records will be the property of the Board. Alliance will maintain these records at the designated office site, available for use by the authorized personnel. Alliance will be responsible for representing the Board with regards to daily operation and maintenance matters and other matters as deemed appropriate by the Board to the all relevant regulatory agencies and the Board will be informed of all meetings, hearings, and pertinent information and will be entitled to participate in any of the above.

Safety: Alliance shall administer a site-specific safety program to include training record keeping, and safety meetings, all in conformance with the Board safety program, OSHA regulations, and any requirements of the State of Missouri, or any other Federal Agency with jurisdiction.

Training: Alliance shall implement an ongoing training program with classroom and hands-on training for all personnel. Training will include, but not be limited to safety, facilities operation, vehicle operations, laboratory operations, and maintenance.

Alliance's Insurance Requirements: Alliance shall maintain the following insurance during the term of the Agreement:

Contractor will provide applicable insurance requirements as follows:

Workmen's Compensation -Statutory	100,000/occurrence
Comprehensive General Liability (Bodily)	1,000,000/occurrence
Comprehensive General Liability (Property)	1,000,000/occurrence
Comprehensive Auto Liability (Bodily)	1,000,000/occurrence
Comprehensive Auto Liability (Property)	1,000,000/occurrence

The above policies will contain a Waiver of Subrogation in favor of the Board

Alliance shall furnish the Board with a Certificate of such insurance, and each policy shall require a 30-day notice of cancellation or material change to be given to the Board while this Agreement is in effect. These policies will be in effect at the time Alliance and the Board execute this Agreement.

Odor: Alliance shall operate the Facilities and program to minimize the generation of odors through an ongoing odor control program and deal in a concerned, professional manner with any individuals or community groups concerned with odors.

Capital Budget Submission: Alliance shall be knowledgeable about the Board's capital expenditure program for the Facilities. During the budget process Alliance shall submit a recommendation of capital improvements Alliance believes necessary to upgrade the Facilities covered under this Agreement, however, implementation of these recommendations by the Board is not a condition of Alliance's performance under this Agreement. Annually thereafter, prior to a date selected by the Board, Alliance shall submit its recommendations regarding additions to or deletions from the Board's scheduled program. Alliance will submit a detailed rationale for any changes or additions, and preliminary cost estimates. Review and approval of these capital expenditures shall remain the authority of the Board.

Inventory: By February 28th of each year during this contract, Alliance shall submit an inventory of the equipment, tools, materials, consumables and expendable supplies, and spare parts at the Facility. At the termination of this Agreement, Alliance shall pay the Board in the event that the inventory of these items is less at the time of termination than the initial inventory. Alliance agrees to maintain an adequate spare part inventory for proper maintenance and repair of the Facilities.

Any purchase of equipment, tools, materials, supplies, spare parts, or capital improvements shall upon the purchase thereof become the sole and absolute property of the Board subject to only the

terms of this Agreement. At the termination of the Agreement, all said items shall be turned over to the Board. Only purchases of items by Alliance which are outside the scope of this Agreement and are not directly or indirectly reimbursed by the Board, shall be titled in and remain the property of Alliance.

Emergency Response Plan: Alliance will develop, maintain, and implement if necessary, an emergency response plan for the Facilities acceptable to State and Federal regulators. Alliance will submit its proposed plan to the Board for its approval annually by March 1st.

III. RESPONSIBILITIES OF THE BOARD

In addition to its other obligations under this Agreement, the Board shall provide for Alliance's use, all equipment, structures, and vehicles under its ownership presently assigned to the Facilities (Appendix B). The Board will be responsible for the cost of replacing these items, presently assigned to the Facilities as listed in Appendix B.

The Board shall maintain all existing licenses, permits, and agreements which have been granted to the Board as owner of the Facilities, and shall procure all other necessary to operate and maintain the Facilities covered by this Agreement.

Capital Expenditures: The Board shall make capital expenditures at the Facilities as deemed necessary by the Board or as otherwise required. Alliance will cooperate with the Board to determine the necessity and cost of capital expenditures.

Board Insurance: The Board will maintain the following insurance during the term of this Agreement:

Property Insurance (all risks):

All Facilities, Contents Equipment & Computers	Replacement Value
---	-------------------

Commercial General Liability:

Bodily Injury and Property Damage	\$1,000,000 Occurrence \$1,000,000 Aggregate
Personal Injury Liability	\$1,000,000

The above policies will contain a Waiver of Subrogation in Favor of Alliance.

Commercial Automobile Liability:

Automobile Liability	\$1,000,000 Occurrence
Comprehensive and Collision Coverages	All Vehicles used by Alliance

The policy will contain a Waiver of Subrogation in Favor of Alliance.

Umbrella:

Bodily Injury and Property Damage	\$1,000,000 per accident \$1,000,000 Aggregate
-----------------------------------	---

IV. COMPENSATION

Expenses: Alliance shall pay all expenses required for the normal operation and maintenance of the Facilities, including, but not limited to, personnel costs, fuels, chemicals, services, spare parts, material and expendable supplies.

Examples of items not paid for by Alliance include, but are not limited to, the following:

- Change in scope of services
- Maintenance and Repair Expenditures as defined hereinafter
- Capital Expenditures
- Any damage which result from an Act of God, the Board, or any third party
- Utilities (electric, propane, solid waste and land line telephone)

Base Compensation: During the first twelve-month period, the Board shall pay Alliance, as compensation for the services to be performed as described in this Agreement, the sum of \$ 24,996.00 per month (\$299,592.00 annually) with adjustments as specified hereinafter. Monthly payments are due the 10th of each month for which services will be rendered, upon presentation of invoices by Alliance. Late payments shall accrue interest at then current prime rate plus one percent per annum on the unpaid balance.

Annual CPI Fee Adjustment: The Base Compensation amount shall be adjusted effective January 1, 201~~9~~⁰, and on every subsequent anniversary date of the contract term. The adjustment will be based upon the percentage change in the CPI-All Urban Consumers, Midwest- Size Class D, not seasonally adjusted (Series ID: CUURD200SAO) for the entire period preceding each adjustment date unless otherwise agreed in writing by the parties. Total Annual Compensation adjustments will be cumulative.

The following is an example of the CPI calculation based on a start date of March 1, 1999.

1. For the months of December, 1998 and December, 1999 the CPI figures are as follows:

CPI	<u>December, 1998</u>	<u>December, 1999</u>
	100	105

2. The monthly compensation is \$10,000 and is adjusted by the following calculations:

$$(105-100) / 100 = 0.05$$
$$\$10,000 \times 1.05 = \$10,500$$

The new monthly compensation starting in January, 2000 is \$10,500.

3. For the months of December, 1999 and December, 2000, the CPI figures are as follows:

CPI	<u>December, 1999</u>	<u>December, 2000</u>
	105	110

4. The monthly compensation as of January, 2000 is \$10,500 and is adjusted by the following calculations:

$$(110-105) / 105 = 0.048$$
$$\$10,500 \times 1.048 = \$11,004$$

The new monthly compensation starting in January, 2001 is \$11,004.

The above calculation is an example only and does not predict the actual monthly compensation for future years of this Agreement.

Annual Maintenance and Repair Cost: ~~Alliance-The Board~~ will pay 100% of all ~~maintenance and repair items costing under \$1,000.00 per event, excluding Alliance labor, during the term of this Agreement.~~ Any maintenance or repair item which costs in excess of \$2,500.00 excluding Alliance labor shall be approved by the appropriate Board representative and paid for directly by the Board.

V. MISCELLANEOUS

Term: Services under this Agreement shall commence on January 1, 2019 and end on December 31, 2021, unless the Agreement is extended or terminated as hereinafter provided, however, since the Board cannot obligate more than one (1) year's budget at a time, this Agreement is terminable each December 31 date (with 150 days written notice) during this term and must be renegotiated annually with written documentation given Alliance by the Board no later than July 31, of each year during this three-year period.

Termination: Either party to this Agreement may terminate this Agreement upon material breach by the other party providing such terminating party first provides written notice of such breach to the other party and assuming that such breach is not corrected within 90 days. Additionally, should Alliance be in default of this Agreement by not using due diligence in operating the Facilities and failing to properly execute all parts of this Agreement, the Board reserves the right to immediately terminate this Agreement upon receipt of Alliance of written notice delivered by certified mail to Alliance's home office.

Extension: The Board at its option may extend Agreement for an additional one-year term under the same terms and conditions as stated herein up to a maximum of two years. The Board will inform Alliance of this any such extension by July 31st -of the last year in any term. If no such notice is provided by July 31st, the contract may then only be renewed if both parties agree in writing before December 31st.

Representative:

With the execution of this Agreement, Board and Alliance shall designate with respect to the services to be performed or furnished by Alliance and responsibilities of Board under this Agreement. Such individuals shall have authority to transmit instructions, receive information, and render decisions relative to the contract on behalf of each respective part. Designated Representatives may designate a representative in their place in cases of absence.

Designated Representatives for Board

Title: Public Works Director City of Osage Beach
Phone Number: (573) 302-2020
Address: 5757 Chapel Drive Osage Beach, MO, 65065

Title: Public Works Director City of Lake Ozark
Phone Number: (573) 365-5378 ext 20
Address: 3162 Bagnell Dam Blvd, Lake Ozark, 65049

Designated Representatives for Alliance

President
Phone Number: (573) 874-8080
Address: 206 South Keene Street, Columbia, MO 65201

Warranties and Guarantees: Alliance shall assist the Board with enforcement of existing equipment, warranties, and guarantees, and maintain all warranties on any new equipment purchased after the Agreement is executed. The Board shall cooperate with Alliance on any existing guarantees and warranties for the mutual benefit of the Board and Alliance.

Noncollusion: Alliance certifies, under the penalties for perjury, by the signature of the duly authorized corporate representative below, that it has neither given nor received anything of value other than the consideration set forth herein, to secure this Agreement with the Cities of Lake Ozark and Osage Beach. It further certifies that Alliance has not promised anything of value to any agent, employee, or officer of the Board nor colluded with them to obtain this Agreement.

Scheduled Meetings: Alliance shall meet with the designated Board representative at the Board's convenience, at least on a monthly basis. The purpose of these meetings will be to discuss the operations at the Facilities with special emphasis placed on items which are to be funded by the Board's maintenance and repair budget or capital expense budget. Alliance's Manager will be required to attend all monthly committee meetings, monthly council meetings, and any other meetings as requested by the designated Board representative.

Existing Laws: Alliance shall comply with all applicable local, state, and federal laws, and regulation as they pertain to the Facilities.

Changes: In the event that any changes in the scope of the operation of the Facilities shall occur including, but not limited to, changes in governmental regulation or reporting requirements effluent standards, sludge disposal restrictions, or changes in scope of services in Article II of this Agreement, which increase or decrease the cost of operating the Facilities, the parties agree to revise the compensation, retroactive to the date of the change and negotiated by the parties within 90 days.

Hold Harmless: Alliance agrees to and shall hold the Board, its elected and appointed officers, and its employees harmless from any liabilities for claims or damages, including attorneys' fees, for person injury or property damage which is caused by or arises from the negligence of Alliance, unless such claims or damages, or fines are caused or contributed to (i) by the failure of the wastewater influent to meet the criteria established in Appendix A, or (ii) by the presence of any hazardous toxic or radioactive substance within the wastewater system. The obligation of Alliance to hold the Board harmless is subject to the Limitation of Liability provision of this Agreement.

Limitation of Liability: Under no circumstances shall either party be liable to the other party for consequential, incidental, indirect, special, or punitive damages, whether due to delay, breach of contract, tort (including, without limitation, negligence) or any other cause.

Comparative Responsibility: In the event that both Alliance and the Board are found by an independent fact finder to be negligent, and the negligence of both is the proximate cause of such claim for damage, for person injury, or property damage, then in such an event each party shall be responsible for the portion of the liability equal to such party's comparative share of the total negligence.

Waiver: The failure on the part of either party to enforce its rights as to any provision of this Agreement shall not be construed as a waiver of its rights to enforce such provisions in the future.

Assignments: This Agreement shall not be assigned by either party without the prior written consent of the other party.

Nondiscrimination: Alliance agrees and shall refrain from unlawful discrimination in employment and undertakes affirmative action to ensure a quality of employment opportunity; shall comply with procedures and requirements of the State Human Rights Department's regulations concerning equal employment opportunity and Affirmative Action; and shall provide such information, with respect to its employees and applicants for employment and assistance as the Department may reasonably request.

Relationship: It is understood that the relationship of Alliance to the Board is that of an independent contractor and that none of the employees or agents of Alliance shall be considered employees of the Board.

Force Majeure: Each party's performance under this Agreement shall be excused if the party is unable to perform because of actions due to causes beyond its reasonable control, including, but not limited to, Acts of God, the acts of civil or military authority, floods, epidemics, quarantine restrictions, riots, strikes, and commercial impossibility. In the event of any such force majeure, the party unable to perform shall notify the other party as soon as possible and no later than 24 hours of existence of such force majeure and shall be required to resume performance of its obligations under this Agreement upon the termination of the aforementioned force majeure.

Authority to Contract: Each party warrant and represent that is has authority to enter this Agreement. The Board warrants, represents, and certifies that is has appropriate funds available for payments to Alliance required by this Agreement. If the Board is unable to provide appropriate funds, Alliance shall have the option of terminating this Agreement.

Access: Alliance agrees to allow Board officials access to the Facilities covered by this Agreement at any time as long as an Alliance representative is present; however, Board Representatives will have access to the Facilities at any time with or without Alliance Representatives Present.

Notices: Required notices shall be addressed to:

President
Alliance Water Resources, Inc.
206 South Keene St.
Columbia, MO 65201

Clerk, City of Lake Ozark
PO Box 370
Lake Ozark, MO 65049

City Clerk, City of Osage Beach
1000 City Parkway
Osage Beach, MO 65065

Prevailing Wage: Alliance agrees to pay prevailing wage where applicable, as required by Missouri Law. Alliance shall provide copies of Certified Payrolls when Prevailing Wage is Required. Prevailing Wage as determined by the Federal Wage Determination and/or the Industrial Commission of Missouri, Annual Wage Order shall be determined when the work is to occur, including amendments, will be complied with on this project when required. When requested to perform work requiring the payment of the prevailing wage, Alliance shall first determine the amount of any additional cost to the Board and have the amount approved by the Board prior to beginning work.

IN WITNESS WHEREOF, the parties sign the Agreement effective as of the date first above written.

WITNESS:

JOINT SEWER BOARD OF LAKE
OZARK AND OSAGE BEACH

Secretary

Board Chairman

Date

WITNESS:

ALLIANCE WATER RESOURCES, INC.

Secretary

President

Date

Subscribed and sworn to before me this _____ day of _____, _____.

My commission expires:

APPENDIX A: EFFLUENT QUALITY GUARANTEE

Wastewater

Alliance will be responsible for meeting the effluent quality requirements of all applicable permits unless one or more of the following occurs.

- The influent to the treatment plant does not contain adequate nutrients to support operation of biological process and/or contains toxic substances which cannot be removed by existing processes and Facilities (see Definition below).
- Toxic discharges into the sewer system in volumes which would make compliance with discharge limits substantially impossible.
- The flow, influent BOD, influent TSS, and/or influent Ammonia is greater than the plant design parameters, which are the following:

Average Flow	3.0 MGD
Influent BOD	364 mg/I
Influent TSS	364 mg/I

- If the Treatment Plant can operate only at reduced capacity due to construction activities, fire, flood, adverse weather conditions, labor disputes, or other causes beyond Alliance's control.

TOXIC: Any substance or combination of substances contained in the influent to the Facilities in sufficiently high concentrations so as to interfere with the treatment processes necessary for the removal of organic and chemical constituents.

APPENDIX B: WASTEWATER TREATMENT PLANT AND EQUIPMENT DESCRIPTION

Wastewater Facilities

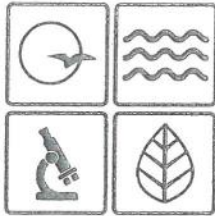
3.0 MGD oxidation ditch consisting of degritting, 2 aeration basins with 3 each fixed in place surface aerators, 3 secondary clarifiers, 2 aerated solids holding tanks and aeration building, one 72 bulb Wedeco UV system, and 1 laboratory/office building.

Equipment

- Kubota ZG123S-48 Mower Serial Number 11501

Vehicles

- 1 - 1985 GMC 4 wheel drive Vacuum Field Truck w/1,600 gallon tank
- 1 - 1994 Volvo/GM Vacuum Truck with 3700 gallon tank
- 1 - 2018 Ford F-250 VIN 1FTBF2B66JEC64283



Missouri Department of dnr.mo.gov

NATURAL RESOURCES

Michael L. Parson, Governor

Carol S. Comer, Director

MEMORANDUM

FYI

DATE: OCT 24 2018

TO: Applicants and Interested Parties

FROM: Chris Wieberg, Director
Water Protection Program

SUBJECT: Clean Water State Revolving Fund Intended Use Plan and Priority List
for Fiscal Year 2019
Drinking Water State Revolving Fund Loan Program and Set-Aside Programs
Intended Use Plan for Fiscal Year 2019

The Fiscal Year 2019 Clean Water State Revolving Fund (CWSRF) Intended Use Plan (IUP) and Priority List was adopted by the Missouri Clean Water Commission on October 18, 2018, and is now available at <http://dnr.mo.gov/env/wpp/srf/wastewater-assistance.htm>.

The Drinking Water State Revolving Fund (DWSRF) Loan Program and Set-Aside Programs Intended Use Plan (IUP) for Fiscal Year 2019 was adopted by the Missouri Safe Drinking Water Commission on October 17, 2018, and is now available at <http://dnr.mo.gov/env/wpp/srf/drinkingwater-assistance.htm>.

The IUP documents briefly describe the CWSRF and DWSRF program administered by the Missouri Department of Natural Resources' Water Protection Program, and identify applicants that have requested inclusion in those programs. The CWSRF provides low-interest loans to municipalities, counties, and public sewer districts for wastewater infrastructure projects, including new construction or the improvement or renovation of existing facilities. The DWSRF provides low-interest loans to municipalities, counties and public water districts for drinking water infrastructure projects, including new construction or the improvement or renovation of existing facilities.

Clean Water applications submitted by the deadline, November 15, 2017, received priority consideration in the competitive review and approval process. Projects were assigned to the Carryover Fundable, Fundable, Fundable Contingency, Contingency, or Planning lists based upon their priority point ranking as described in state regulation. Drinking Water applications submitted by the deadline, February 15, 2018, were considered in the competitive review and



Recycled paper

approval process. Projects were assigned to the Fundable or Planning lists based upon their priority point ranking as described in state regulation. Submittal of the required documents and securing appropriate debt instruments were also used to determine which projects would most likely be ready to proceed to the construction phase. Projects with high priority, complete facility plans, and debt instruments secured were placed highest on the funding lists. The lists are designed to be a dynamic part of the IUP. By expediting submittal of the facility plan and securing the appropriate debt instrument, a community's project may move from one list to another during the fiscal year subject to available funds.

Applicants are encouraged to make satisfactory progress towards securing the financial assistance on the schedule identified in the IUP. Satisfactory progress includes submitting required engineering documentation for review and approval, holding the required public meetings/hearings and providing financial due diligence information to the Department. An applicant who does not make satisfactory progress may have its project bypassed in accordance with the bypass procedures outlined in the IUP.

Missouri has been informed by the U.S. Environmental Protection Agency that the Green Project Reserve requirement for the CWSRF program has been carried forward to this funding cycle. Not less than 10 percent of the 2018 capitalization grant must be used to address green infrastructure, water or energy efficiency improvements, or other environmentally innovative activities. Therefore, the Department continues to solicit green projects and requests applicants to identify the green components of their projects in order to meet this reserve. Applicants are encouraged to contact Department staff early in the planning process to determine the eligibility of green projects (or components).

The Fiscal Year 2020 Clean Water State Revolving Fund application is now available at <http://dnr.mo.gov/env/wpp/srf/wastewater-assistance.htm>. The CWSRF application can be submitted at any time. Applications received by November 15, 2018, will receive priority consideration for funding in the next year's IUP.

The Fiscal Year 2020 Drinking Water State Revolving Fund application is now available at <http://dnr.mo.gov/env/wpp/srf/drinkingwater-assistance.htm>. The DWSRF application can be submitted at any time. Applications received by February 15, 2019, will receive priority consideration for funding in the next year's IUP.

Should you have any questions or need additional assistance, please call 573-751-1192 or contact the Department of Natural Resources, Water Protection Program, Financial Assistance Center, P.O. Box 176, Jefferson City, MO 65102-0176. Thank you.

CW:sdC