

**OSAGE BEACH / LAKE OZARK
JOINT SEWER BOARD MEETING
AGENDA
NOVEMBER 17, 2020 @ 4:00 p.m.
LAKE OZARK CITY HALL**

1. CALL TO ORDER

2. ROLL CALL

Mayor, Osage Beach, John Olivarri
Mayor, Lake Ozark, Gerry Murawski
City Administrator, Osage Beach, Jeana Woods
City Administrator, Lake Ozark, Dave Van Dee
Alderman, Osage Beach, Phyllis Marose
Alderman, Lake Ozark, Judy Neels
Public Works Director, Lake Ozark, Matt Michalik
Resident Member, Mr. Gary Hamner

3. MINUTES

Page Numbers

Regular Meeting: October 20, 2020 3-4

4. REPORTS

Bill List	5-11
Revenue Budget Analysis	13
Expenditure Budget Analysis	14
Income & Expense Summary	17

October Alliance Report of Operations 19-35

Approval of Flow Charts October 2020

5. OLD BUSINESS

- | | |
|---|-------|
| A. Board Representative update | |
| B. 2020 Budget Amendment | 37 |
| C. Discussion and possible action regarding the 2021 budget | 39-43 |
| D. Continued discussion regarding a new sludge truck. | |

6. NEW BUSINESS None at this time.

7. ADDITIONAL DISCUSSION ITEMS

8. ADJOURNMENT

THE NEXT MEETING WILL BE DECEMBER 15, 2020 4:00 PM @ LAKE OZARK CITY HALL

**LAKE OZARK-OSAGE BEACH
JOINT SEWER BOARD**
Meeting Minutes – October 20, 2020

CALL TO ORDER:

Mayor John Olivarri called the meeting to order at 4:17 pm on Tuesday, October 20, 2020 at Lake Ozark City Hall.

ROLL CALL:

Mayor, Osage Beach, John Olivarri- Present
Mayor, Lake Ozark, Gerry Murawski - Present
City Administrator Osage Beach, Jeana Woods - Absent
City Administrator Lake Ozark, Dave Van Dee – Present
Alderman Osage Beach, Phyllis Marose- Present
Alderman Lake Ozark, Judy Neels- Absent
Public Works Director Lake Ozark, Matt Michalik – Absent
Resident Member, Mr. Gary Hamner - Present

MINUTES:

Resident Member Hamner motioned to approve the meeting minutes of September 15, 2020 his motion was seconded by City Administrator Van Dee, and passed unanimously.

REPORTS:

The September Bill list and Revenue Budget, Expenditure Budget Analysis, Income & Expense Summary and Check Registers and Bank Statements were reviewed. A Motion was made by Mayor Murawski to approve the documents and pay the bills. His motion was seconded by Resident Member Hamner, and was passed unanimously.

Alliance Report of Operations: The average daily incoming flow for September was 1.662 mgd. We had 8.4 inches of precipitation measured at the WWTP.

Operationally, the plant's discharge was excellent, with an effluent monthly average BOD of 1.2 mg/l and TSS of 1.6 mg/l respectively for September, which represents a 99.3% or better removal.

The MLSS average for both aeration basins was 6,074 mg/l. The total dry weight sludge inventory for September totaled 298,511 pounds. 38 loads or 140,600 gallons of Bio solids was applied in September. There were 45 tanker loads or 104,500 gallons of septage received for the month.

APPROVAL OF FLOW CHART

Motion was made by City Administrator Van Dee to approve the Flow Chart for September. His motion was seconded by Resident Member Hamner. Unanimous approval, motion passed.

OLD BUSINESS:

- A. Per Gary Hutchcraft the Headworks roof project was completed except the gutters and they will be installing them as soon as the weather permits.

NEW BUSINESS:

- A. Report of action regarding the 2021 budget. Treasurer Karri Bell gave an overview of the proposed 2021 budget, including revenue, expenditures, fund balances and capital improvement projects. There was a brief discussion regarding transfers into the capital improvement (equipment replacement) fund. Resident member Hamner brought up the discussion about a new truck being a possibility this next year. After a brief discussion it was suggested that Gary will do some research on lease/purchase of a new truck and will bring it back to the board next month for consideration on the budget.
- B. Report of action regarding the approval of replacement lift station pump. Per Gary Hutchcraft they put out a bid to replace the pump. Evans Enterprise came in with a bid of \$11,285 for a Barnes 15 HP. Independence Electric came in at \$8,671.42 for a Tsurumi 10 HP. Municipal Equipment came in at \$6,784.80 for a Sulzer 10 HP, and JCI Industries came in at \$6,550.00 for a Keene 10 HP. Gary stated they are all equal in pump capacity and recommends going with the Keene pump since Lake Ozark uses it and has had no problems with it. A motion was made by Alderman Marose to go with JCI Industries for \$6,550, her motion was seconded by Mayor Murawski. Unanimous approval, motion passed.
- C. Report of action for sandblast and paint Clarify #2. Gary Hutchcraft advised they sent out 11 invitations to bid to repaint clarifier #2 but only two bids came back. Bazan Painting came back with a bid of \$75,500 and Landco Enterprise came back with a bid of \$68,400 with a 1-year warranty. A motion was made by Resident member Hamner to go with Lando for \$68,400, his motion was seconded by Alderman Marose. Unanimous approval, motion passed.

After a brief discussion to possibly replace the skimmer while it was already down for painting a motion was made by City Administrator Van Dee to add it as an option to the budget, his motion was seconded by Mayor Murawski. Unanimous approval, motion passed.

ADDITIONAL DISCUSSION ITEMS:

ADJOURNMENT:

With no further business to discuss, the meeting adjourned at 4:54 pm.

Approved on:

Mayor, John Olivarri

City Collector, Trisha Kane

JOINT SEWER BOARD
BILL LIST
NOVEMBER 17, 2020

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:	\$ 597.09
OPERATING FUND BILLS TO BE PAID:	\$ 37,037.31
EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:	\$ 5,821.87
EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:	\$ 3,007.12

TOTAL \$ 46,463.39

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:

Account	Check	Paid To:	Description:	Amount:
4020	328	M/C University MO	Soil Samples	\$ 54.08
4150	337	Roemer's Heavy Equi	Sludge Trk Repair	\$ 481.20
	338	VOID		\$ -
4020	339	Menards	873 Weed Killer	\$ 37.99
4150	339	Menards	874 Turn Signal Bulbs	\$ 23.82
TOTAL				\$ 597.09

OPERATING FUND BILLS TO BE PAID:

Account	Check	Paid To:	Description:	Amount:
4000	340	Equipment Replacement Fund	Payment into ER Fund	\$ 5,967.00
4020		Majestic Franchising	Cleaning November	\$ 196.17
4020		Menards	873 Weed Killer	\$ 37.99
4020		Menards	2871 Tarp, misc.	\$ 37.88
4020		Menards	3812 WD-40, misc.	\$ 43.45
4150		Menards	874 Turn Signal bulbs	\$ 23.82
4150		Menards	2872 Tire for lawn tractor	\$ 26.98
4150		Menards	3204 Return tire tube	\$ (9.99)
4170		Alliance Water Resources, Inc.	November	\$ 25,465.00
4175		Ameren MO	11673321	\$ 5,020.57
4175		Ameren MO	98041275	\$ 134.67
4176		AT&T	Phone October	\$ -
4176		Republic	November	\$ 93.77
TOTAL				\$ 37,037.31

EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:

Account	Check	Paid To:	Description:	Amount:
4000	1048	Municipal Equip Co.	Suction Lift Weld Assembly	\$ 5,488.25
4000	1049	Milwaukee Rubber Products	Hose Assembly	\$ 333.62
4000	1050			\$ -
TOTAL				\$ 5,821.87

EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:

Account	Check	Paid To:	Description:	Amount:
4000	1050	Eastech Flow Control	21299 OB Flow Meter	\$ 2,395.00
4000	1051	GLW	110720 Support Brace for RAS	\$ 612.12
TOTAL				\$ 3,007.12



- Pay by phone: 1.866.268.3729
- Pay by mail: PO Box 88068, Chicago, IL 60680-1068
- Pay online or manage your account: AmerenMissouri.com
- Customer Service: 1.877.426.3736

FOCUSED ENERGY. For Life.

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

AMOUNT DUE \$5,020.57

Due Date 12/01/2020

Current Detail for Statement 11/06/2020

Total Electric Charges \$5,020.57

Amount After Due Date \$5,095.88

Total Amount Due \$5,020.57

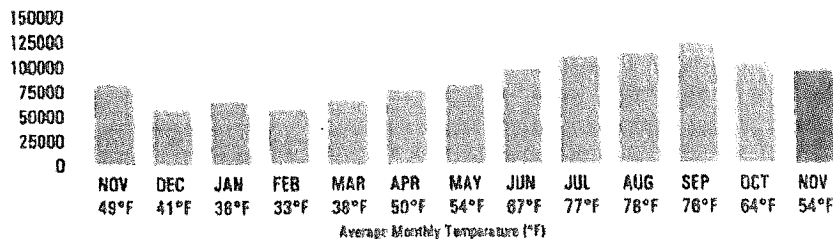
Previous Statement \$6,492.10

Total Payments \$5,492.10

Payment Received. Thank You.

Electric Usage History

Electric Usage in Kilowatt Hours (kWh)



Electric Usage Summary (kWh)

So far this year, you're using 3.5% more than last year.

2019 953,120 kWh

2020 986,240 kWh

Usage from Jan-May for 2019 & 2020

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.

GL Acct#: 41175

Signature: [Signature]

Date: 11/6/20

Keep this portion for your records.

» See next page for service details.

Page 1 of 4



☐ Check if you have address changes on back.

Please return this portion with your payment.

Amount Due	Due Date
\$5,020.57	December 01, 2020
Delinquent Amount After Due Date	Account Number
\$5,095.88	4580005832
Amount Enclosed \$	

>000267 6443494 0005 092135 102

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

AMEREN MISSOURI
PO BOX 88068
CHICAGO IL 60680-1068

20600000 0045800058302 000005020570 000005020570



- Pay by phone: 1.866.268.3729
- Pay by mail: PO Box 88068, Chicago, IL 60680-1068
- Pay online or manage your account: AmerenMissouri.com
- Customer Service: 1.877.426.3736

FOCUSED ENERGY. For Life.

Electric Service Details

Service from 10/06/2020 - 11/04/2020 (29 days)

Electric Meter Read

METER NUMBER	SERVICE FROM - TO	NO. DAYS	USAGE TYPE	READING TYPE	CURRENT READING	PREVIOUS READING	READING DIFFERENCE	MULTIPLIER	USAGE
11673321	10/06 - 11/04	29	Total kWh	Actual	63154.0000	62570.0000	584.0000	160.0000	93440.0000
11673321	10/06 - 11/04	29	Peak kW	Actual	1.1520	0.0000	1.1520	184.3000	184.3000

Usage Summary

Total kWh	93440.0000	Peak kW	184.3000
Total Billing Demand	184.3000	October Winter Base kW	176.2000
Winter Base Demand	176.2000	Base kWh Ratio	0.9560
Base kWh (HUD)	89329.0000	Seasonal kWh (HUD)	4111.0000

Rate 3M Large General Service

DESCRIPTION	USAGE	UNIT	RATE	CHARGE
Seasonal Energy Charge	4,111.00	kWh	@ \$ 0.03560000	\$146.35
Demand Charge	184.30	kW	@ \$ 2.00000000	\$368.60
Base Energy Charge / Hours Used	26,430.00	kWh	@ \$ 0.06090000	\$1,609.58
Base Energy Charge / Hours Used	35,240.00	kWh	@ \$ 0.04520000	\$1,582.85
Base Energy Charge / Hours Used	27,659.00	kWh	@ \$ 0.03560000	\$984.86
Customer Charge				\$95.29
Fuel Adjustment Charge	93,440.00	kWh	@ \$ 0.00189000	\$176.60
Energy Efficiency Investment Charge	93,440.00	kWh	@ \$ 0.00383800	\$358.72
Renewable Energy Adjustment	93,440.00	kWh	@ \$ 0.00044000	\$41.11
Total Service Amount				\$5,020.57
Total Electric Charges				\$5,020.57

Payments Since Previous Statement

DATE RECEIVED	AMOUNT
October 26, 2020	\$5,492.10

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



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



ONLINE
CREDIT CARD



MAIL
STUB & CHECK



- Pay by phone: 1.866.268.3729
- Pay by mail: PO Box 88068, Chicago, IL 60680-1068
- Pay online or manage your account: AmerenMissouri.com
- Customer Service: 1.877.426.3736

FOCUSED ENERGY. For life.

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

AMOUNT DUE \$134.67

Due Date 12/01/2020

Current Detail for Statement 11/06/2020

Total Electric Charges \$134.67

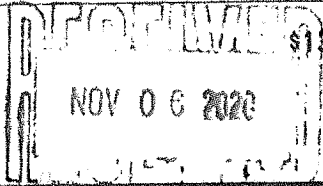
Amount After Due Date \$138.69

Total Amount Due \$134.67

Previous Statement \$177.25

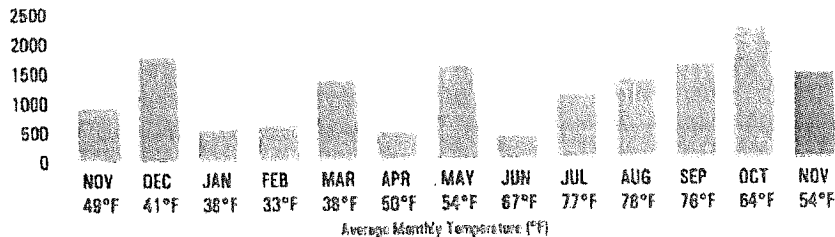
Total Payments \$177.25

Payment Received, Thank You.



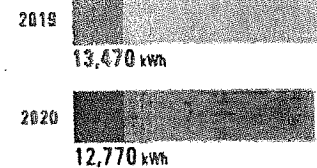
Electric Usage History

Electric Usage in Kilowatt Hours (kWh)



Electric Usage Summary (kWh)

So far this year, you're using 5.2% less than last year.



Usage from Jan-Nov for 2019 & 2020

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.

GL Acct#: 4175

Signature: [Handwritten Signature]

Date: 11/6/20

57156 13073
00262 6443494 000449 000897 60010002

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

\$134.67

December 01, 2020

Delinquent Amount After Due Date Account Number

\$138.69

5580005920

Amount Enclosed \$

>000262 6443494 0005 092139 10Z

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

AMEREN MISSOURI
PO BOX 88068
CHICAGO IL 60680-1068

90633000 0055800059200 000000134670 000000134670



- Pay by phone: 1.866.268.3729
- Pay by mail: PO Box 88068, Chicago, IL 60680-1068
- Pay online or manage your account: AmerenMissouri.com
- Customer Service: 1.877.426.3736

FOCUSED ENERGY. *For life.*

Electric Service Details

Service from 10/06/2020 - 11/04/2020 (29 days)

Electric Meter Read

METER NUMBER	SERVICE FROM - TO	NO. DAYS	USAGE TYPE	READING TYPE	CURRENT READING	PREVIOUS READING	READING DIFFERENCE	MULTIPLIER	USAGE
98041275	10/06 - 11/04	29	Total kWh	Actual	20878.0000	20735.0000	143.0000	10.0000	1430.0000
98041275	10/06 - 11/04	29	Peak kW	Actual	4.4350	0.0000	4.4350	10.0000	44.3500

Usage Summary

Total kWh	1430.0000	Winter Base kWh	1600.0000
Current Base kWh	1430.0000	Seasonal kWh	0.0000

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

Threshold - Peak Demand

DESCRIPTION	USAGE	UNIT	RATE	CHARGE
Base Energy Charge	1,430.00	kWh	@ \$ 0.07790000	\$111.40
Seasonal Energy Charge	0.00	kWh	@ \$ 0.04490000	\$0.00
Customer Charge				\$18.89
Fuel Adjustment Charge	1,430.00	kWh	@ \$ 0.00189000	\$-2.70
Energy Efficiency Investment Charge	1,430.00	kWh	@ \$ 0.00374300	\$5.35
Renewable Energy Adjustment	1,430.00	kWh	@ \$ 0.00044000	\$0.63
Total Service Amount				\$134.67
Total Electric Charges				\$134.67

Payments Since Previous Statement

DATE RECEIVED	AMOUNT
October 26, 2020	\$177.25

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



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



ONLINE
CREDIT CARD

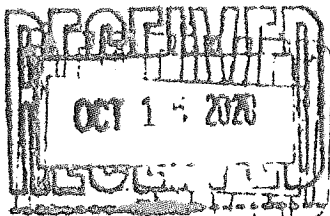


MAIL
STUB & CHECK



Municipal Equipment

13625 LAKEFRONT DR.
EARTH CITY MO 63045
Phone: (314) 290-2999



Invoice	
Document No.	INV0021602
Date	9/18/2020
Page	1

End User:

Ship To:

Bill To:

LAKE OZARK JOINT SEWER BOARD
PO BOX 1985
LAKE OZARK MO 65049

LAKE REGION WWTP
GARY HUTCHCRAFT
#3 ANDERSON ROAD
LAKE OZARK MO 65049

Purchase Order No.	Customer ID	Salesperson ID	Shipping Method	Payment Terms	Req Ship Date	Master No.
VERBAL/EMAIL	LAKREG	DAB	BESTWAY	NET 30 DAYS	7/27/2020	2,968

Ordered	Shipped	Item Number	Description	Unit Price	Ext. Price
1	1	PISTA GRIT CHAMBER	4" SUCTION LIFT WELD ASSEMBLY	\$5,069.00	\$5,069.00
FR E/R REPLACEMENT PISTA GRIT SUCTION TUBE GL Acct#: 4000 Signature: Gary Hutchcraft Date: 10/15/20					

L87 17462 - LAKE OZARK JOINT SEWER - PISTA GRIT
CHAMBER

Subtotal	\$5,069.00
Freight	\$419.25
Tax	\$0.00
Total	\$5,488.25

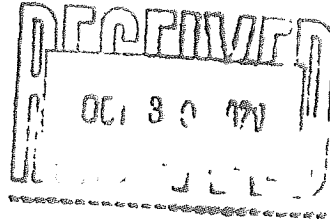
Eastech Flow Controls, Inc.
4250 S 76th E Ave
Tulsa, OK 74145
Ph: 918-664-1212
Fx: 918-664-8494

Invoice No 0000021299

Customer 001471

Bill to :

JOINT SEWER BOARD
P O BOX 1985
LAKE OZARK MO 65049
UNITED STATES



Sold to :

ALLIANCE WATER RESOURCES
P O BOX 1985
LAKE OZARK MO 65049
UNITED STATES

Phone (573)365-0455

Customer PO Number	Invoice Date	Terms	FOB	Ship Via	Salesperson
G HUTCHCRAFT	10/29/2020	NET 30	TULSA OK	UPS RED	MOH
Item	Part / Rev / Description / Details	Quantity	Unit Price	Discount	Extended Price
000001	V2210--STD-----F Rev NS U/M EA VANTAGE 2210 ELECTRONICS ONLY EXTENDED DESCRIPTION: VANTAGE 2210 - ULTRASONIC TIME OF FLIGHT LEVEL/FLOW METER, ELECTRONICS HOUSED IN NEMA 4 - 4X ENCLOSURE WITH LCD BACK LIGHTED DISPLAY, ONE 4-20MA OUTPUT, ONE RS-232 SERIAL INTERFACE, G HUTCHCRAFT BUILT IN DATA LOGGER AND DOWN LOAD SOFTWARE. REPLACEMENT FOR METER SOLD ON SO 512308-00. Packing List No/Item No 020773/000001 Sales Order No: 521032 Customer PO No: SHIPPED TO ADDRESS: ALLIANCE WATER RESOURCES #3 ANDERSON ROAD LAKE OZARK MO 65049 UNITED STATES	1.00000	2,295.00000	0.00	2,295.00
000020	SHIPPING Rev NS Shipping/Freight Charge, Ref Shipper No 020773 Shipped on 10/28/2020	1.00000	100.00000	0.00	100.00
Total Item Price					2,295.00
Shipping & Handling					100.00
Sales Tax					0.00
Total Inv Price					US\$ 2,395.00

REPLACEMENT
OF FLOW METER

GL Acct#: 4000

Signature: *[Handwritten Signature]*

Date: 10/30/20

CUSTOMER COPY

THIS PAGE INTENTIONALLY LEFT BLANK

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

		10/31/2020					
Account Number	Account Name	2018 Actual	2019 Actual	2020 Budget	2020 Actual as of 10/31/2020	2020 October Revenue	Percent YTD
3020	Osage Beach	480,784.67	475,091.53	473,000.00	398,646.21	39,844.73	84%
3010	Lake Ozark	69,215.30	74,908.46	77,000.00	59,687.12	5,988.60	78%
3030	Misc.	1,485.00	0.00	0.00	4,500.00	0.00	0%
3100	Interest	1,484.82	4,286.79	1,400.00	3,460.66	545.91	247%
3060	Waste Haulers' Fee	25,780.00	26,260.00	29,000.00	35,120.00	1,280.00	121%
Total Operating Fund		578,749.79	580,546.78	580,400.00	501,413.99	47,659.24	86%
E/R Fund Income		4,281.74	9,001.77	4,000.00	7,556.02	353.49	189%
TOTAL INCOME		583,031.53	589,548.55	584,400.00	508,970.01	48,012.73	87%

THIS PAGE INTENTIONALLY LEFT BLANK

MONTH-TO-DATE AND YEAR-TO-DATE
EXPENDITURE/BUDGET ANALYSIS
10/31/2020

Account Number	Account Name	2018 Actual	2019 Actual	2020 Budget	2020 Actual as of 10/31/2020	2020 October Expenses	Percent YTD
4000	Equipment Replace Fund	41,604.17	41,604.00	71,606.00	59,670.00	5,967.00	83%
4020	*Maintenance & Repair	9,713.86	104,062.97	88,000.00	25,639.16	6,569.17	29%
4140	Insurance	18,475.25	18,761.00	19,200.00	19,084.00	0.00	99%
4150	Vehicle Repair/Maint	3,887.47	5,479.60	10,000.00	10,994.74	1,462.75	110%
4160	Haulers Fees to Contractor	8,000.00	0.00	0.00	0.00	0.00	0%
4170	Contract Management	319,010.64	299,592.00	308,580.00	254,650.00	25,465.00	83%
4175	Electric	79,533.37	73,276.87	75,000.00	65,188.06	5,669.35	87%
4176	Utilities Misc.	0.00	3,717.52	3,100.00	2,229.68	134.66	72%
4190	Bank Charges	24.00	176.00	75.00	32.60	0.00	0%
4200	Audit	2,300.00	2,400.00	2,500.00	2,648.50	0.00	106%
4240	Capital Purchases	0.00	145,247.00	0.00	0.00	0.00	0%
	Totals	482,548.76	694,316.96	578,061.00	440,136.74	45,267.93	76%
	**E/R Expenses	42,782.61	41,280.51	83,500.00	47,954.36	6,081.56	57%
	TOTAL EXPENSES	525,331.37	735,597.47	661,561.00	488,091.10	51,349.49	74%

***Maintenance & Repair**

Auto Dialer Yrly Software Fee

500.00

Regular Maintenance

11,000.00

UV Spare Parts

10,000.00

Road and parking lot main

2,000.00

Chainlink fence repair

4,000.00

Box of BOD bottles

500.00

Sandblast & paint clarifier #2

60,000.00 FALL 2020

88,000.00

****Equipment & Replacement**

2019

Pista Grit Suction tube

5,500.00

RAS motor control ctr/elec panel

37,670.00

Replace lift station pump

8,000.00

Impeller & volute wear ring for Flygt pump

3,000.00

Ducking skimmer arm mechanism

12,000.00

Replace winch for pulling lift station pumps & skim

3,000.00 X

Rebuild Ducking skimmer arm & arm supports

5,000.00

Replace wooden doors w/fiberglass

2,000.00

Repair/replace roof on headworks & other bldg

45,000.00

83,500.00

THIS PAGE INTENTIONALLY LEFT BLANK

OPERATING FUND INCOME AND EXPENSE SUMMARY
10/31/2020

Beginning Balance	316,307.38
Income - Osage Beach	39,844.73
Income - Lake Ozark	5,988.60
Income - Other	-
Income - Waste Haulers' Fees	1,280.00
Interest - Checking	2.81
Income - CD Interest	543.10
Transfers From E/R Fund	-
Transfers to E/R Fund	(5,967.00)
Expenses	(39,300.93)
Ending Fund Balance	318,698.69
Central Bank - NOW Acct.	103,199.05
	-
CD First Bank of the Lake, 2/20/21 #101318432	105,437.02
CD First Bank of the Lake, 4/22/21 #101318433	111,609.75
	-
Outstanding Checks:	(1,547.13)
	318,698.69

EQUIPMENT REPLACEMENT FUND INCOME AND EXPENSE SUMMARY
10/31/2020

Beginning Balance	558,503.87
Interest - Checking	25.87
Income - CD Interest	327.62
Transfers to E/R Fund	5,967.00
Income - Miscellaneous	-
Expenses	(6,081.56)
Ending Fund Balance	558,742.80
First Bank of the Lake - Money Mkt.	82,545.26
CD First Bank of the Lake, 11/07/21 #101318434	270,000.00
CD First Bank of the Lake, 2/20/21 #101318431	103,542.19
CD First Bank of the Lake, 7/30/21 #101318430	108,379.85
	-
Outstanding Checks:	(5,724.50)
	558,742.80

THIS PAGE INTENTIONALLY LEFT BLANK

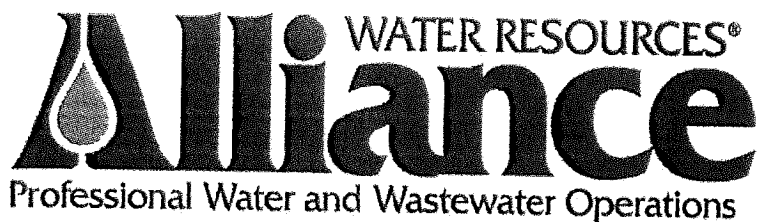
**OUR
MISSION**

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 2020

Submitted by Alliance Water Resources, Inc. for the

November 2020

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	1.7	1.7	N/A	< 20		0.03	< 4.8	< 1.0
Peak Day	2.0	2.0	7.8	< 20		0.03	< 4.8	< 1.0
Percent Removal	98.8	99.0	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		1.1	10	3.6
Weekly Average	45	45		630				
Daily Max				N/A		6.0	15	9.1

PLANT HYDRAULIC AND ORGANIC LOADING

The average daily influent flow for the month was 1.278 MGD or 43% of Permitted flow with Lake Ozark contributing 16% of the total flow and Osage Beach contributing 84%. 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 46988 pounds of BOD.

BIOSOLIDS APPLICATION AND INVENTORY

Plant personnel land applied 45 tanker loads of bio-solids during the month equivalent to a total of 166,500 gallons and 55,298 pounds dry weight solids.

318,454 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 360,000 gallons with a level of 5.0 feet in Tank 1 and 3.0 feet in Tank 2.

WASTEHAULERS

The plant received 16 loads of septage during the month totaling 32,000 gallons.

WWTP OPERATIONS

- Decanting digesters and wasting weekly.
- Normal operations.
- We shut down the UV system on November 1st.

WWTP MAINTENANCE AND REPAIR

- Performed routine maintenance throughout the month as per Antero Maintenance Data Management schedule. (New version of Operator 10 Software)
- The Osage Beach flow meter quit working on the 27th of October so we called Eastech tech support and they said that it needed replaced so we contacted Matt and Jenna and was told to go ahead and get one coming. We received the replacement meter on the 29th and had it back going that same afternoon. We are going to send the old one in and see if it is repairable and how much it will cost and possible have a backup flow meter when/if needed.

REGULATORY AGENCY, INSPECTION AND REPORTS

- We filled out the EDMR on MDNR's website on the 5th of November.
- We took and shipped the 4th quarter 503 regs sample into the lab on the 7th of October and received the results on the 27th and everything looked good.

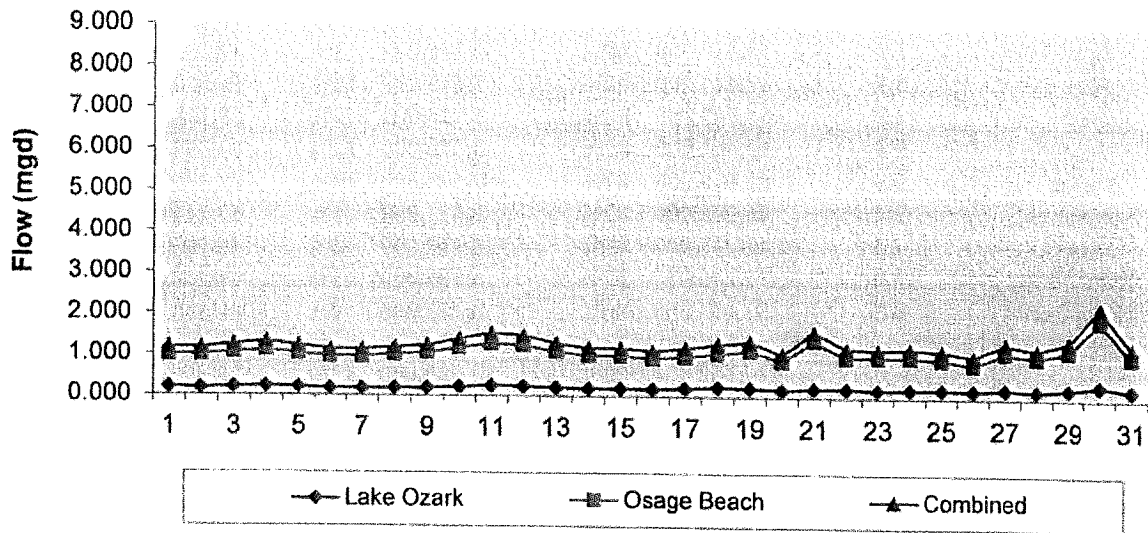
MISCELLANEOUS AND RECOMMENDATIONS

TABLE A
LAKE OZARK/OSAGE BEACH WWTP

MONTH OF October 2020

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	0.190	0.980	1.170	16.2	83.8						
2-Oct	0	0.180	0.986	1.166	15.4	84.6	263	130	135	430	80	176
3-Oct	0.1	0.199	1.053	1.252	15.9	84.1						
4-Oct	0	0.218	1.102	1.320	16.5	83.5						
5-Oct	0	0.199	1.018	1.217	16.4	83.6						
6-Oct	0	0.172	0.959	1.131	15.2	84.8						
7-Oct	0	0.174	0.952	1.126	15.5	84.5						
8-Oct	0	0.180	1.004	1.184	15.2	84.8	263	175	143	246	142	162
9-Oct	0	0.187	1.052	1.239	15.1	84.9						
10-Oct	0	0.212	1.170	1.382	15.3	84.7						
11-Oct	0	0.250	1.277	1.527	16.4	83.6						
12-Oct	0	0.226	1.244	1.470	15.4	84.6						
13-Oct	0	0.206	1.084	1.290	16.0	84.0						
14-Oct	0	0.182	0.995	1.177	15.5	84.5						
15-Oct	0.0	0.193	0.986	1.179	16.4	83.6						
16-Oct	0	0.187	0.927	1.114	16.8	83.2	178	200	153	158	140	160
17-Oct	0	0.208	0.974	1.182	17.6	82.4						
18-Oct	0	0.233	1.056	1.289	18.1	81.9						
19-Oct	0.75	0.222	1.125	1.347	16.5	83.5						
20-Oct	0.25	0.179	0.878	1.057	16.9	83.1						
21-Oct	1.5	0.215	1.385	1.600	13.4	86.6						
22-Oct	0	0.219	0.983	1.202	18.2	81.8						
23-Oct	0	0.190	0.991	1.181	16.1	83.9	133	125	130	84	152	136
24-Oct	0.3	0.207	0.996	1.203	17.2	82.8						
25-Oct	0	0.211	0.943	1.154	18.3	81.7						
26-Oct	0	0.191	0.822	1.013	18.9	81.1						
27-Oct	1	0.232	1.111	1.343	17.3	82.7						
28-Oct	0.3	0.192	1.000	1.192	16.1	83.9						
29-Oct	0.8	0.241	1.170	1.411	17.1	82.9	153	143	150	148	100	182
30-Oct	0.75	0.335	1.915	2.250	14.9	85.1						
31-Oct	0	0.218	1.035	1.253	17.4	82.6						
SUM	5.8	6.448	33.173	39.621								
AVG		0.208	1.070	1.278	16	84	198	155	142	213	123	163
NOTE: BOLD PRINT INDICATES WEEKEND DAYS												

Daily Flow
Figure 1



Effect of Rainfall on Flow
Figure 2

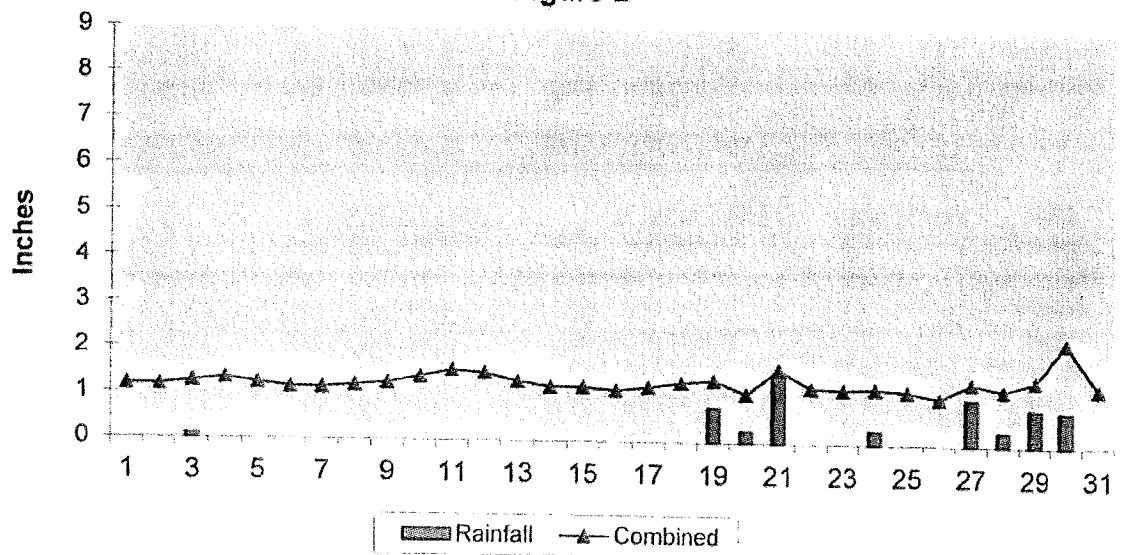
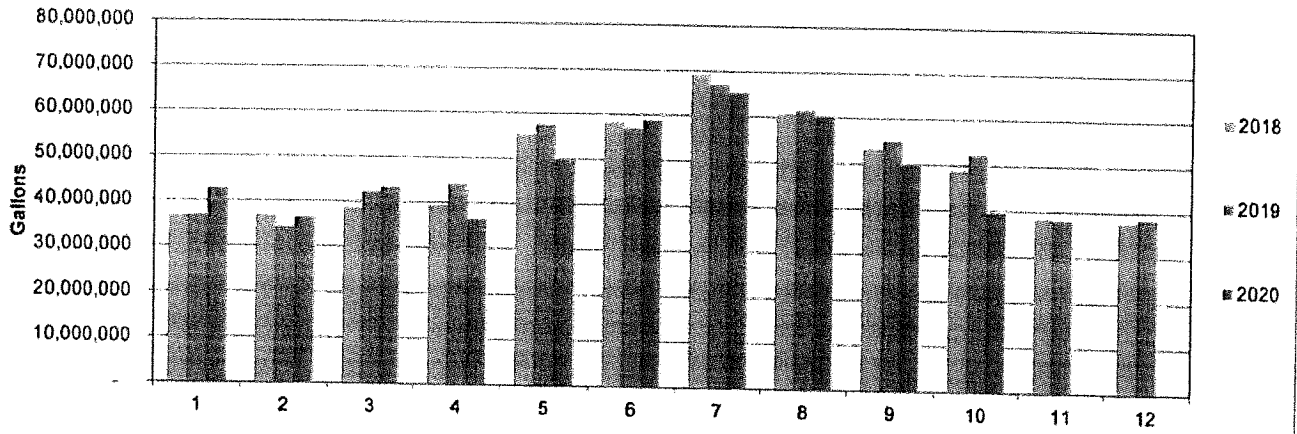


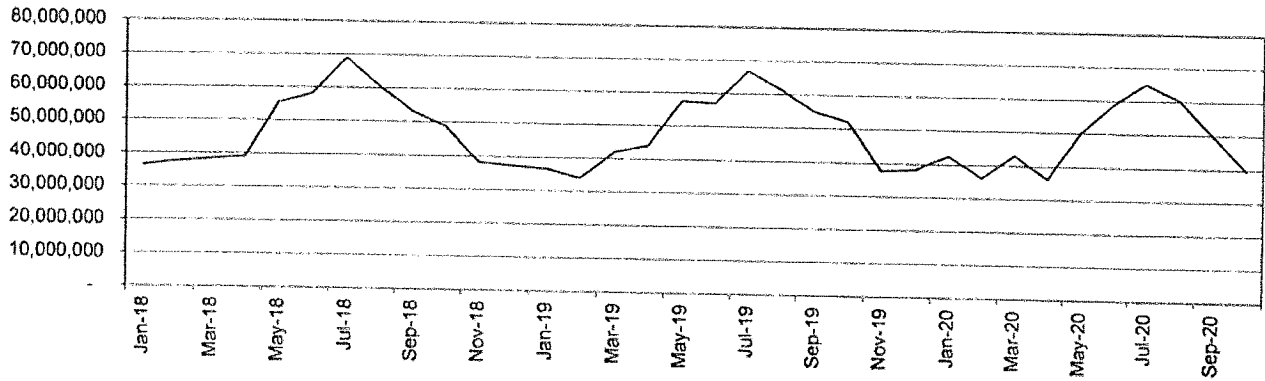
TABLE B
JOINT SEWER BOARD
Monthly Flows

<u>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	3.6	33,221,000	87%	5,089,000	13%	38,310,000	100%
December	6.3	32,452,000	86%	5,123,000	14%	37,575,000	100%
	52.3	497,820,000	87%	74,039,000	13%	571,859,000	100%
<u>2019</u>	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	2.1	32,085,000	87%	4,708,000	13%	36,793,000	100%
February	4.4	29,492,000	86%	4,650,000	14%	34,142,000	100%
March	6.3	36,210,000	86%	5,876,000	14%	42,086,000	100%
April	4.1	37,991,000	86%	6,135,000	14%	44,126,000	100%
May	9.9	49,124,000	85%	8,333,000	15%	57,457,000	100%
June	6.0	49,051,000	86%	7,864,000	14%	56,915,000	100%
July	4.8	57,666,000	86%	9,132,000	14%	66,798,000	100%
August	6.0	53,074,000	87%	8,215,000	13%	61,289,000	100%
September	3.5	47,732,000	87%	7,165,000	13%	54,897,000	100%
October	11.1	44,971,000	86%	7,194,000	14%	52,165,000	100%
November	3.5	33,141,000	87%	4,779,000	13%	37,920,000	100%
December	1.8	33,575,000	88%	4,708,000	12%	38,283,000	100%
	63.2	504,112,000	86%	78,759,000	13%	582,871,000	100%
<u>2020</u>	<u>RAINFALL</u>	<u>OSAGE BEACH</u>		<u>LAKE OZARK</u>		<u>TOTAL</u>	<u>%</u>
January	7.7	36,806,000	86%	5,780,000	14%	42,586,000	100%
February	3.6	31,279,000	86%	4,986,000	14%	36,265,000	100%
March	6.1	37,286,000	86%	5,888,000	14%	43,174,000	100%
April	5.2	31,967,000	88%	4,324,000	12%	36,291,000	100%
May	5.3	43,538,000	87%	6,443,000	13%	49,981,000	100%
June	4.8	50,936,000	87%	7,780,000	13%	58,716,000	100%
July	6.9	56,437,000	87%	8,616,000	13%	65,053,000	100%
August	2.3	52,449,000	87%	7,883,000	13%	60,332,000	100%
September	8.4	42,235,000	85%	7,636,000	15%	49,871,000	100%
October	5.4	33,173,000	84%	6,448,000	16%	39,621,000	100%
November						-	
December						-	
	55.7	416,106,000	86%	65,784,000	14%	481,890,000	100%

Monthly Influent Flow
Figure 3A

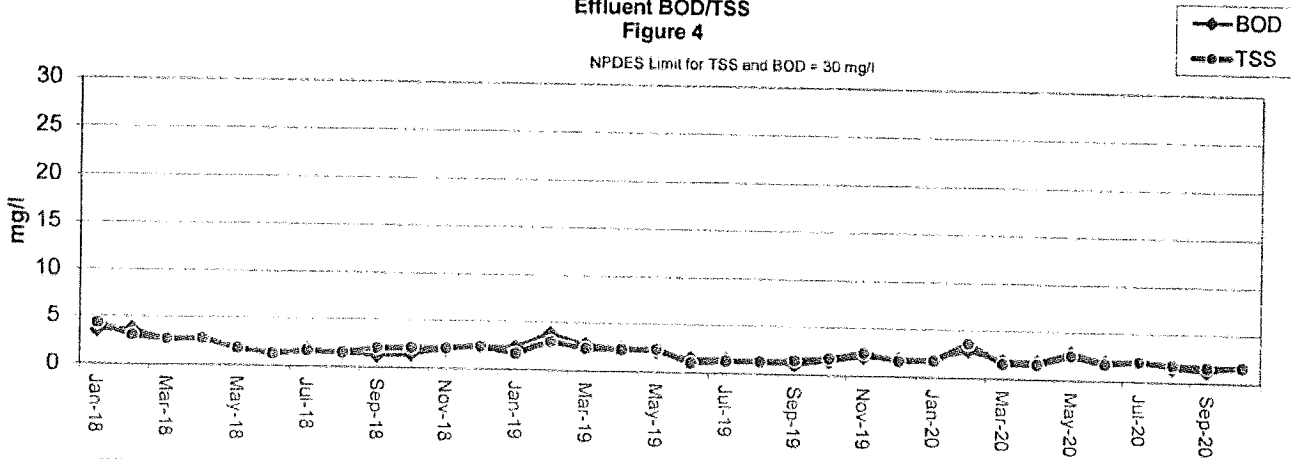


Monthly Influent Flow
Figure 3B

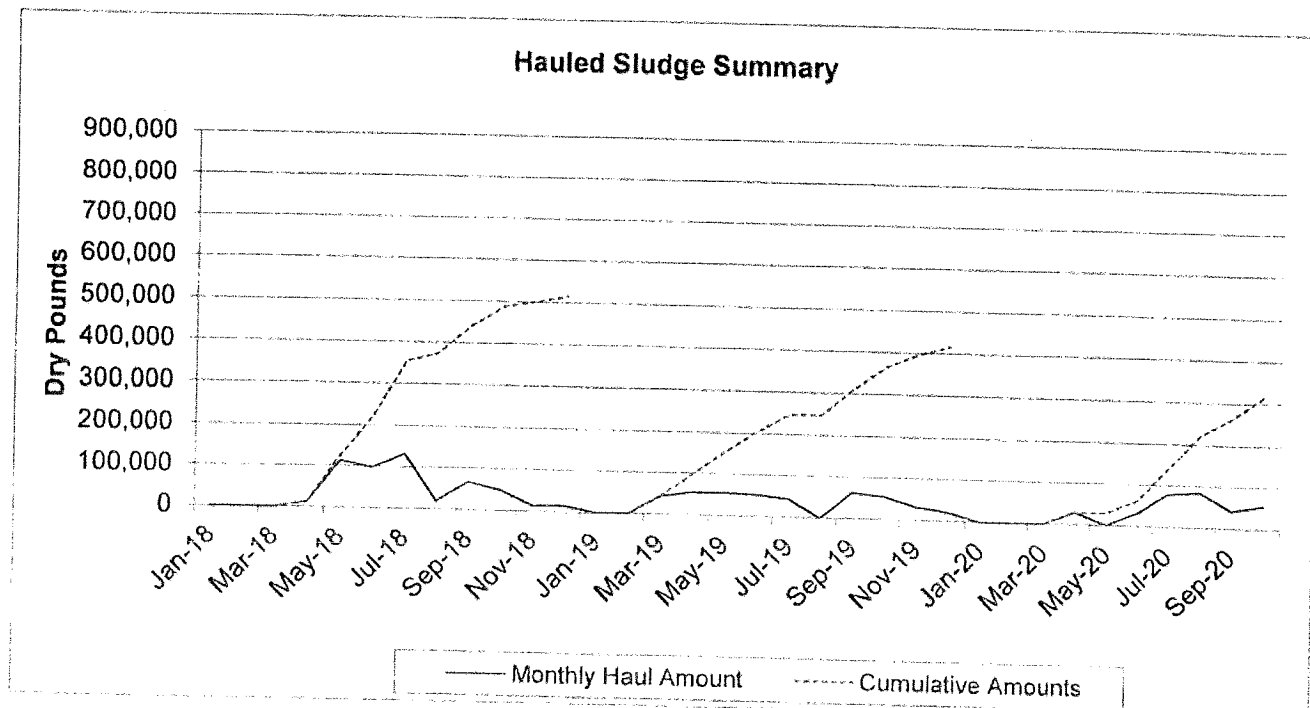
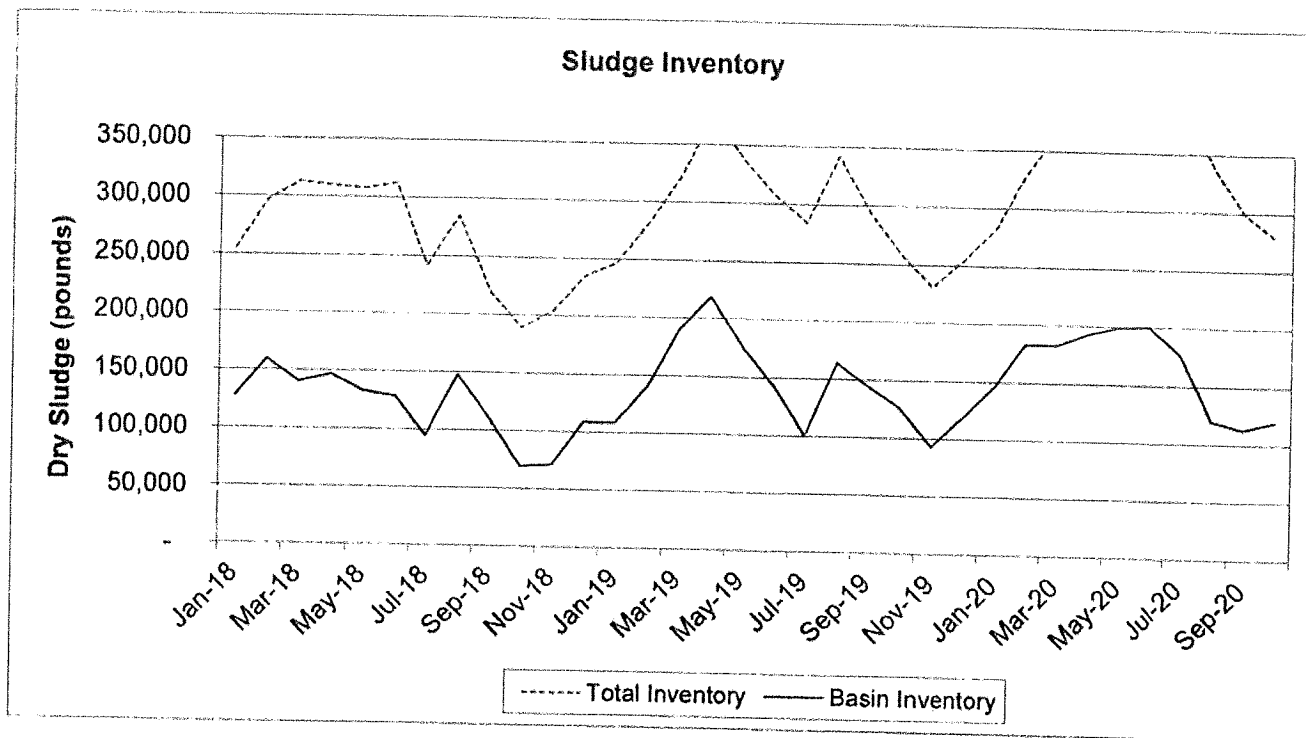


Effluent BOD/TSS
Figure 4

NPDES Limit for TSS and BOD = 30 mg/l



	Hauled Sludge					Basin Depths					Blanket Depths					MLSS Inventory					Blanket and MLSS Inventory					MLSS		Total Dry		Accepted Septage	
	Loads	Gallons	# Dry	% Solids	Annual Cumulative # Dry	Tank #1	Tank #2	AB #1	Basin Gallons	# Dry	Clarif #1	Clarif #2	Clarif #3	MLSS AB #1	MLSS AB #2	Gallons	# Dry	% Solids	Sludge Inventory		Gallons	# Dry	% Solids	Sludge Inventory		Loads	Gallons				
Jan-18	0	-	0	3.4%		5.5	4.5	0.0	450,000	127,602	0.5	1.0	0.0	4,390	4,040	3,626,643	127,488	0.00422	255,090		5	12,500									
Feb-18	0	-	0	3.4%	-	7.5	5.0	0.0	562,500	159,503	2.0	4.0	1.0	4,880	3,920	3,750,000	137,610	0.0044	297,113		16	40,000									
Mar-18	0	-	0	3.4%		5.5	5.5	0.0	495,000	140,362	0.5	0.5	0.5	5,580	5,780	3,639,476	172,406	0.00568	312,769		6	15,000									
Apr-18	11	40,700	12,095	3.6%	12,095	5.0	6.0	0.0	495,000	147,114	0.5	0.5	0.5	5,670	5,040	3,639,476	162,542	0.00536	309,655		8	20,000									
May-18	93	344,100	112,693	3.9%	124,789	4.5	4.5	0.0	405,000	132,638	0.5	0.5	0.5	5,963	5,547	3,639,476	174,683	0.00576	307,321		10	24,500									
Jun-18	88	325,000	97,758	3.6%	222,547	4.0	5.5	0.0	427,500	128,589	4.0	3.0	1.0	6,190	5,493	3,767,762	183,511	0.00584	312,100		38	95,000									
Jul-18	126	466,200	131,023	3.4%	353,570	3.0	4.5	0.0	337,500	94,853	1.0	0.5	1.5	4,570	4,990	3,691,785	147,174	0.00478	242,026		42	107,000									
Aug-18	12	44,400	19,441	5.3%	373,011	5.0	2.5	0.0	337,500	147,778	2.5	1.0	1.0	4,680	4,170	3,705,595	136,753	0.00443	284,531		30	75,000									
Sep-18	51	188,700	66,098	4.2%	439,109	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		45	113,500									
Oct-18	38	140,600	48,447	4.1%	487,556	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		21	59,500									
Nov-18	11	40,700	12,999	3.8%	500,455	2.5	2.5	0.0	225,000	71,309	1.0	1.0	0.0	4,100	4,640	3,635,524	132,500	0.00437	203,809		8	21,500									
Dec-18	14	51,800	14,688	3.4%	515,143	6.5	2.0	0.0	382,500	108,459	11.0	12.0	0.0	4,120	3,420	4,008,526	126,035	0.00377	234,494		22	55,000									
Jan-19	0	-	0	3.4%		5.0	3.5	0.0	382,500	108,462	1.0	1.0	0.0	4,650	4,480	3,635,524	138,412	0.00457	246,874		19	46,500									
Feb-19	0	-	0	3.4%	-	6.0	5.0	0.0	495,000	140,362	1.0	1.0	0.0	4,570	4,740	3,635,524	141,141	0.00486	281,503		31	79,500									
Mar-19	36	133,200	43,139	3.9%	43,139	6.0	7.0	0.0	585,000	189,462	0.5	1.0	0.0	4,780	3,920	3,626,643	131,571	0.00435	321,033		9	21,500									
Apr-19	39	144,300	53,940	4.5%	97,079	5.5	7.5	0.0	585,000	218,676	1.5	0.5	1.0	5,720	4,530	3,678,952	157,248	0.00513	375,923		23	61,500									
May-19	49	181,300	54,896	3.8%	151,945	8.0	5.0	0.0	585,000	177,036	3.0	1.5	1.0	5,150	5,160	3,723,357	160,077	0.00516	337,113		12	25,500									
Jun-19	44	162,800	51,872	3.8%	203,817	7.0	3.0	0.0	450,000	143,381	2.0	4.0	1.5	5,610	4,810	3,771,714	163,886	0.00521	307,267		19	47,500									
Jul-19	37	136,900	43,633	3.8%	247,450	3.0	4.0	0.0	315,000	100,397	2.0	3.0	0.5	6,050	5,830	3,710,524	183,973	0.00595	284,370		36	84,000									
Aug-19	0	-	0	3.8%	247,450	5.5	6.0	0.0	517,500	164,006	5.0	3.0	0.5	5,690	5,680	3,763,810	177,982	0.00567	341,988		29	72,500									
Sep-19	58	214,600	62,487	3.5%	309,937	7.0	4.0	0.0	495,000	144,134	2.0	1.0	1.0	4,460	5,310	3,696,714	150,607	0.00489	294,741		22	55,000									
Oct-19	50	185,000	54,742	3.5%	364,679	7.5	2.0	0.0	427,500	126,498	2.5	3.0	1.0	4,170	4,350	3,741,119	132,916	0.00426	259,414		40	97,000									
Nov-19	29	107,300	31,629	3.5%	395,308	3.5	3.5	0.0	315,000	92,853	3.5	5.0	0.0	4,980	3,850	3,750,877	138,115	0.00442	230,968		15	36,000									
Dec-19	17	62,900	20,643	3.9%	416,951	6.0	2.0	0.0	360,000	118,148	1.0	1.0	0.0	5,090	3,940	3,635,524	139,895	0.00452	255,044		14	32,000									
Jan-20	0	-	0	3.9%		6.0	4.0	0.0	450,000	146,367	1.0	1.5	0.0	4,260	4,690	3,644,405	136,015	0.00448	282,382		16	34,100									
Feb-20	0	-	0	3.9%	-	6.5	6.0	0.0	562,500	182,959	3.5	2.0	0.0	5,190	4,390	3,697,891	147,718	0.00479	330,676		23	57,000									
Mar-20	0	-	0	3.9%		5.5	7.0	0.0	562,500	182,959	2.0	5.0	1.0	5,760	5,940	3,767,762	163,825	0.00585	366,784		25	64,500									
Apr-20	25	92,500	29,315	3.8%	29,315	8.0	7.5	0.0	607,500	192,528	1.0	1.0	1.0	5,740	5,290	3,678,952	169,214	0.00552	381,742		39	107,000									
May-20	0	-	0	3.8%	29,315	6.0	8.0	0.0	630,000	199,860	1.0	7.0	1.0	5,584	5,663	3,785,524	177,557	0.00582	377,216		35	83,000									
Jun-20	25	92,500	31,680	4.1%	60,975	6.0	7.0	0.0	585,000	200,228	6.0	7.0	0.5	6,195	6,446	3,852,620	203,099	0.00632	403,327		6	18,000									
Jul-20	69	255,300	77,268	3.6%	138,243	6.0	7.0	0.0	585,000	177,054	7.0	7.0	1.0	6,541	6,827	3,892,096	222,027	0.00684	399,081		88	208,000									
Aug-20	76	281,200	83,286	3.6%	221,529	5.0	4.0	0.0	405,000	119,953	6.0	6.0	1.0	6,704	6,827	3,856,572	217,620	0.00677	337,574		67	158,000									
Sep-20	38	140,600	41,627	3.5%	263,156	4.0	4.5	0.0	382,500	113,246	1.0	1.0	0.5	6,039	6,109	3,657,238	185,265	0.00607	298,511		45	104,500									
Oct-20	45	166,500	55,298	4.0%	318,454	5.0	3.0	0.0	360,000	119,563	1.0	1.0	1.0	4,990	5,070	3,678,952	158,015	0.00515	277,578		16	32,000									

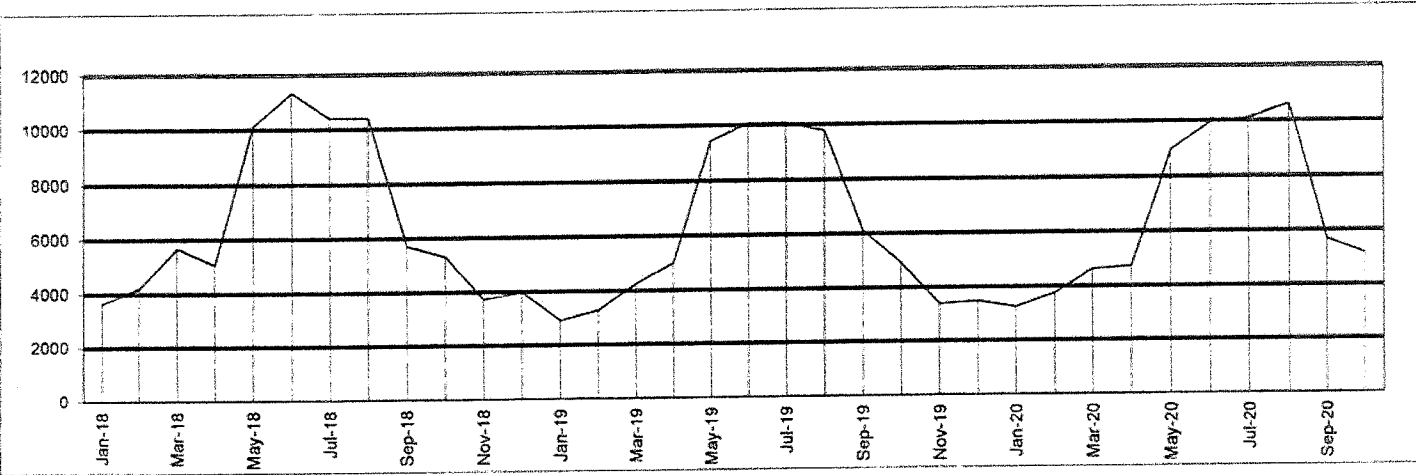


-28-

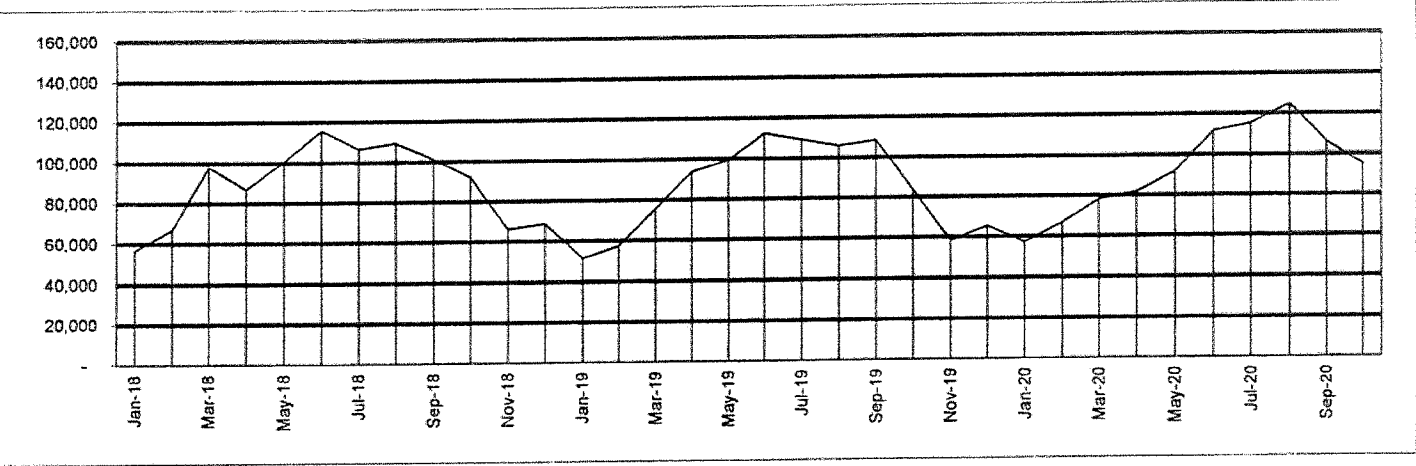
Electric Cost Kilowatts Used

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
Nov-18	3731	66,280
Dec-18	3990	68,840
Jan-19	2926	51,490
Feb-19	3295	57,450
Mar-19	4251	75,830
Apr-19	5014	93,570
May-19	9452	99,330
Jun-19	10074	112,400
Jul-19	10066	109,190
Aug-19	9784	106,020
Sep-19	6115	108,680
Oct-19	4920	83,790
Nov-19	3390	58,410
Dec-19	3482	65,660
Jan-20	3259	57,250
Feb-20	3760	66,830
Mar-20	4637	78,070
Apr-20	4741	81,780
May-20	8962	91,550
Jun-20	9959	111,680
Jul-20	10100	115,300
Aug-20	10619	124,800
Sep-20	5669	106,220
Oct-20	5155	94,870

Electric Cost



Kilowatts Used





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

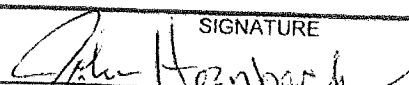
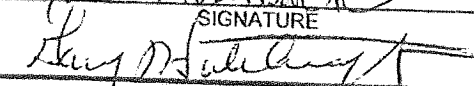
NAME OF FACILITY					LOCATION ADDRESS & CITY								COUNTY/REGION	
Lake of the Ozarks Regional WWTP #1					#3 Anderson Road								Miller/SWRO	
MONTH/YEAR		PERMIT NUMBER			OUTFALL NUMBER		TYPE TREATMENT FACILITY							
Oct-20		MO-0103241			#001		Oxidation Ditch/UV/Sludge Holding-sludge is land applied							
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	7.1			20.5	1.485	7.5			0.03	6.2		19.5		
2	7.3	135	176	19.2	1.452	7.5	1.5	1.7		6.4		18.5	98.9	99.0
3	7.2			19.6	1.604	7.5				6.2		17.7		
4	7.1			19.9	1.722	7.6				6.1		18.1		
5	7.0			19.2	1.581	7.4				6.0	< 20	17.7		
6	7.1			19.4	1.534	7.3				6.0		18.0		
7	7.2			19.7	1.489	7.3			0.03	6.4		18.7		
8	7.3	143	162	20.2	1.483	7.6	1.2	1.3		5.8		19.1	99.2	99.2
9	7.3			20.1	1.533	7.6				5.8		19.6		
10	7.4			20.0	1.525	7.7				5.6		19.8		
11	7.3			20.5	1.781	7.7				5.2		20.4		
12	7.5			20.9	1.660	7.8				5.3	< 20	20.8		
13	7.2			18.7	1.521	7.5				5.8		19.4		
14	7.3			18.4	1.423	7.5				5.7		18.9		
15	6.8			19.7	1.551	7.3			0.03	5.9		19.0		
16	6.8	153	160	18.6	1.531	7.2	1.6	2.0		6.7		17.4	99.0	98.8
17	7.0			17.7	1.586	7.3				7.0		16.0		
18	6.8			19.1	1.739	7.1				6.6		17.0		
19	6.9			18.0	1.930	7.1				6.4	< 20	16.4		
20	6.9			17.4	1.626	7.2				7.0		16.1		
21	6.9			18.1	2.298	7.0				5.6		16.8		
22	6.8			19.2	1.623	7.2			0.03	6.6		17.9		
23	6.9	130	136	16.8	1.585	7.2	2.0	1.8		6.4		17.8	98.5	98.7
24	7.1			16.1	1.203	7.3				7.3		14.6		
25	7.0			16.7	1.762	7.3				7.3		15.0		
26	7.3			14.3	1.615	7.5				6.8	< 20	13.8		
27	7.4			15.2	2.266	7.7				6.4		12.9		
28	7.3			16.2	1.848	7.6				7.0		13.5		
29	7.3	150	182	15.1	2.026	7.4	2.0	1.8	0.01	6.7		14.0	98.7	99.0
30	7.2			14.9	2.900	7.4				5.8		13.5		
31	7.2			16.6	1.846	7.5				7.0		14.6		
Total					52.728									
Avg		142	163	18.3	1.701		1.7	1.7	0.03	6.3	< 20	17.2	98.8	98.9
Min	6.8	130	136	14.3	1.203	7.0	1.2	1.3	0.01	5.2	< 20	12.9	98.5	98.7
Max	7.5	153	182	20.9	2.900	7.8	2.0	2.0	0.03	7.3	< 20	20.8	99.2	99.2

MONTHLY MONITORING					QUARTERLY MONITORING					
DATE	Oil & Grease mg/L	Selenium µg/L	SM1 Hardness mg/L	SM2 Hardness mg/L	Phosphorus mg/L	SM1 Phosphorus mg/L	T. Nitrogen mg/L	SM1 T. Nitrogen mg/L	TR. Cadmium ug/L	TR. Copper µg/L
1										
2										
3										
4										
5										
6										
7	< 4.8	< 1.0	313	328	5.4	< 0.10	37.2	0.11	< 5.0	13.4
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	< 4.8	< 1.0	313	328	5.4	< 0.10	37.2	0.11	< 5.0	13.4
Avg	< 4.8	< 1.0	313	328	5.4	< 0.10	37.2	0.11	< 5.0	13.4
Min	< 4.8	< 1.0	313	328	5.4	< 0.10	37.2	0.11	< 5.0	13.4
Max	< 4.8	< 1.0	313	328	5.4	< 0.10	37.2	0.11	< 5.0	13.4

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

OPERATIONAL CONTROLS/LABORATORY TEST REQUIRED FOR "ACTIVATED SLUDGE" PROCESSES												
DATE	SLUDGE DISP. LBS. DRY WEIGHT	#1 Aeration Basin, O-Ditch, Etc.				#2 Aeration Basin, O-Ditch, Etc.				*Weather Conditions		
		MIXED LIQUOR				MIXED LIQUOR				*Outside Ambient Temp ° F	*RAIN inches	Time
		* DO mg/l	** MLSS mg/l	*Settleability		* DO mg/l	** MLSS mg/l	*Settleability				
				*30 min ml	Temp ° C			*30 min ml	Temp ° C			
1	6,326	3.2	5,070	900	18.7	3.5	5,880	900	19.0	48	0	7:30
2		3.9	6,130	900	18.0	3.8	5,670	900	18.3	45	0	7:30
3		4.6	5,670	890	17.8	4.2	5,750	890	18.0	50	0.1	7:30
4		3.8	5,570	900	18.1	4.1	5,410	850	18.2	53	0	7:30
5		2.8	5,680	880	17.1	3.4	5,670	880	17.4	41	0	7:30
6	10,121	3.7	5,600	890	17.7	3.3	5,640	890	17.9	50	0	7:30
7	7,221	4.0	6,230	880	18.6	3.4	6,030	880	18.7	55	0	7:30
8	6,665	3.2	5,190	860	19.5	2.8	5,420	860	19.6	60	0	7:30
9		2.8	5,970	890	19.6	3.4	5,260	830	19.7	59	0	7:30
10		3.3	5,720	850	20.2	3.4	5,160	830	20.3	61	0	7:30
11		1.7	5,810	850	20.6	2.3	5,020	800	20.6	62	0	7:30
12		1.5	5,400	820	21.2	1.5	5,860	840	21.2	60	0	7:30
13	9,288	2.4	5,360	840	18.5	3.2	5,460	820	18.6	46	0	7:30
14	8,640	3.7	5,190	850	17.9	3.0	5,040	850	18.5	47	0	7:30
15	7,036	4.0	5,210	800	18.4	3.7	4,830	800	18.8	59	0	7:30
16		4.4	5,280	850	16.8	4.2	5,510	850	17.1	37	0	7:30
17		5.7	5,020	850	16.0	5.2	4,850	800	16.4	45	0	7:30
18		4.7	5,430	850	16.9	4.7	4,750	800	17.1	52	0	7:30
19		4.3	3,690	780	15.9	4.1	4,960	780	16.1	44	0.75	7:30
20		4.9	5,040	820	15.7	4.9	5,290	850	15.8	46	0.25	7:30
21		3.1	4,650	840	16.7	3.9	4,970	840	16.7	53	1.5	7:30
22		4.7	4,500	790	18.0	4.8	5,210	790	18.1	62	0	7:30
23		4.3	4,400	700	16.9	3.8	5,070	800	17.4	55	0	7:30
24		4.9	4,440	780	15.7	5.0	4,960	830	16.0	44	0.3	7:30
25		5.3	5,100	830	15.3	4.7	4,790	820	15.6	46	0	7:30
26		3.8	5,300	840	14.0	3.8	4,910	820	14.5	42	0	7:30
27		3.9	4,940	830	13.4	4.7	5,040	860	13.8	37	1.0	7:30
28		4.8	4,780	820	13.8	5.0	5,280	870	14.0	43	0.3	7:30
29		3.0	4,540	770	13.4	3.7	5,010	810	13.7	46	0.8	7:30
30		2.4	5,170	820	14.0	3.9	5,610	870	14.1	36	0.75	7:30
31		4.4	4,960	820	14.4	4.7	5,070	820	14.5	46	0	7:30
COMMENTS:												

COMMENTS:

TESTS PERFORMED BY (PRINT)	SIGNATURE	PHONE #	DATE
John Hornback		(573)365-0455	11/4/2020
REPORT APPROVED BY (PRINT)	SIGNATURE	PHONE #	DATE
Gary Hutchcraft		(573)365-0455	11/4/2020

*Required Daily (Monday - Friday)

**Required 1/week

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

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

PERMITTEE NAME/ADDRESS

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

MO0103241	001 A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	2020	10	01		2020	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	*****	*****	*****	2.0	1.7	Weekly	24 Hour Composite
Stage Type: End of Pipe	REORMNT	*****	*****	*****	Weekly Average: 45	Monthly Average: 30	Weekly	24 Hour Composite
BOD, 5-day, percent removal (81010)	REPORTD	*****	*****	*****	*****	98.5	Monthly	Calculated
Stage Type: End of Pipe	REORMNT	*****	*****	*****	*****	Monthly Average Minimum: 85	Monthly	Calculated
Escherichia coli (E. coli) (51040)	REPORTD	*****	*****	*****	<20	<20	Weekly	Grab
Stage Type: End of Pipe	REORMNT	*****	*****	*****	7 Day Geometric Mean: 630	30 Day Geometric Mean: 126	Weekly	Grab
Flow, in conduit or thru treatment plant (50050)	REPORTD	2.900	1.701	*****	*****	*****	Daily	Total Measured
Stage Type: End of Pipe	REORMNT	Daily Maximum: Monitoring Required	Monthly Average: Monitoring Required	*****	*****	*****	Daily	Total Measured
Nitrogen, ammonia total (as N) (00610)	REPORTD	*****	*****	0.03	*****	0.03	Weekly	Grab
Stage Type: End of Pipe	REORMNT	*****	*****	Daily Maximum: 11.5	*****	Monthly Average: 2.2	Weekly	Grab
Oil and grease (soxhlet extr.) tot. (00550)	REPORTD	*****	*****	<4.8	*****	<4.8	Monthly	Grab
Stage Type: End of Pipe	REORMNT	*****	*****	Daily Maximum: 15	*****	Monthly Average: 10	Monthly	Grab
pH (00400)	REPORTD	*****	*****	7.0	*****	7.8	Weekly	Grab
Stage Type: End of Pipe	REORMNT	*****	*****	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.

OPERATOR IN RESPONSIBLE CHARGE			
Gary Hutchcraft	7305	CERTIFICATE NUMBER	
TYPED OR PRINTED NAME		5733650455	
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	2020-11-05 10:57:29	
Gary F Hutchcraft	Gary F Hutchcraft	Date	
TYPED OR PRINTED NAME	SIGNATURE		

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	001 A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	2020	10	01		2020	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 (Se), total recoverable (00981)	REPORTD	*****	*****	<1.0	*****	<1.0	Monthly	Grab
Stage Type: End of Pipe	REORMNT	*****	*****	Daily Maximum: 9.1	*****	Monthly Average: 3.6	Monthly	Grab
Suspended Solids, percent removal (81011)	REPORTD	*****	*****	*****	*****	98.7	Monthly	Calculated
Stage Type: End of Pipe	REORMNT	*****	*****	*****	*****	Monthly Average Minimum: 85	Monthly	Calculated
Total Suspended Solids (TSS) (00530)	REPORTD	*****	*****	*****	2.0	1.7	Weekly	24 Hour Composite
Stage Type: End of Pipe	REORMNT	*****	*****	*****	Weekly Average: 45	Monthly Average: 30	Weekly	24 Hour Composite

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

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

OPERATOR IN RESPONSIBLE CHARGE			
Gary Hutchcraft	7305	CERTIFICATE NUMBER	
TYPED OR PRINTED NAME		5733650455	
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	2020-11-05 10:57:29	
Gary F Hutchcraft	Gary F Hutchcraft	Date	
TYPED OR PRINTED NAME	SIGNATURE		

Page 2

PERMITTEE NAME/ADDRESS

State of Missouri

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

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

FROM YEAR MO DAY TO YEAR MO DAY
2020 10 01 2020 10 31

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS
BEFORE COMPLETING THIS FORM

Parameter	REPORT	MASS	Unit	CONCENTRATION	Unit	FREQUENCY OF ANALYSIS	SAMPLE TYPE	LAB CODE
Hardness, total (as CaCO ₃) (00900)	*****	*****		328	*****	328	Monthly	Grab
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	5733650455
TYPED OR PRINTED NAME	2020-11-05 10:57:29
Gary F Hutchcraft	Date
SIGNATURE	

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 H
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

YEAR	MO	DAY	TO	YEAR	MO	DAY
2020	10	01		2020	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		Quarterly	Grab	
Stage Type: End of Pipe	REQRMNT	*****		Daily Maximum Monitoring Required		Quarterly	Grab	
Copper, total recoverable (01119)	REPORTD	*****		13.4		Quarterly	Grab	
Stage Type: End of Pipe	REQRMNT	*****		Daily Maximum Monitoring Required		Quarterly	Grab	
Nitrogen, total (as N) (00600)	REPORTD	*****		37.2		Quarterly	Grab	
Stage Type: End of Pipe	REQRMNT	*****		Daily Maximum Monitoring Required		Quarterly	Grab	
Phosphorus, total (as P) (00665)	REPORTD	*****		5.4		Quarterly	Grab	
Stage Type: End of Pipe	REQRMNT	*****		Daily Maximum 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.

OPERATOR IN RESPONSIBLE CHARGE			
Gary Hutchcraft		7305	
TYPED OR PRINTED NAME		CERTIFICATE NUMBER	
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	5733650455
Gary F Hutchcraft	Gary F Hutchcraft	2020-11-05 11:05:29	
TYPED OR PRINTED NAME	SIGNATURE	Date	

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	TO	YEAR	MO	DAY
2020	10	01		2020	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	*****		0.11		Quarterly	Grab	
Stage Type: Instream Monitoring	REQRMNT	*****		Daily Maximum Monitoring Required		Quarterly	Grab	
Phosphorus, total (as P) (00665)	REPORTD	*****		<0.10		Quarterly	Grab	
Stage Type: Instream Monitoring	REQRMNT	*****		Daily Maximum 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.

OPERATOR IN RESPONSIBLE CHARGE			
Gary Hutchcraft		7305	
TYPED OR PRINTED NAME		CERTIFICATE NUMBER	
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	5733650455
Gary F Hutchcraft	Gary F Hutchcraft	2020-11-05 11:05:29	
TYPED OR PRINTED NAME	SIGNATURE	Date	

Page 2

1 OCTOBER 2020

[illegible]

11. A. L. Johnson and the authors. *Journal of Science of Food and Agriculture*, 1970, 13, 1009-1012, Corleto, TX, pending publication.

Prepared by: JH/JF

Approved by CSP

Date 11/5/2020

THIS PAGE INTENTIONALLY LEFT BLANK

BUDGET AMENDMENT 2020

4020 Equip & Bldg. Repair/Main	10,000.00
4150 Vehicle Repair/Main	3,500.00
4000 Equipment Replacement Exp.	20,500.00

THIS PAGE INTENTIONALLY LEFT BLANK

LAKE OZARK - OSAGE BEACH JOINT SEWER BOARD
FY2021 Operating Budget

Cash & Equivalent Balance January 1, 2021 - Estimated

Restricted - Fund Reserves

Restricted - Other

Unrestricted

263,992

TOTAL Cash & Equivalent Balance January 1, 2021

\$ 263,992

Revenue

Osage Beach

473,000

Lake Ozark

77,000

Misc.

-

Interest

2,000

Waste Haulers' Fee

36,000

TOTAL Revenues

\$ 588,000

Expenditures

Transfer to Replacement Fund

71,606

Equipment & Building Repair/main.

136,800

Insurance

19,200

Vehicle Maintenance

8,000

Contract Management

314,752

Electric

75,000

Utilities Misc.

3,500

Bank Charges

-

Audit

2,600

Professional Services

-

Equipment Purchase - New

500

TOTAL Expenditures

\$ 631,958

Cash & Equivalent Balance December 31, 2021 - Estimated

Restricted - Fund Reserves

Unrestricted

220,034

TOTAL Cash & Equivalent Balance December 31, 2021

\$ 220,034

LAKE OZARK - OSAGE BEACH JOINT SEWER BOARD
FY2021 Operating Budget

REVENUE	FY2017 Actual	FY2018 Actual	FY2019 Actual	FY2020 Budget	FY2020 Projected Year-End	FY2021 Budget
Operating Revenue						
3020 Osage Beach - 86%	478,614	480,785	475,092	473,000	473,000	473,000
3010 Lake Ozark - 14%	71,386	69,215	74,908	77,000	77,000	77,000
3030 Misc.	-	1,485	-	-	4,500	-
3100 Interest	782	1,709	4,287	1,400	3,500	2,000
3030 Waste Haulers' Fee	30,500	25,780	26,260	29,000	36,000	36,000
Total Franchise Fees	\$ 581,282	\$ 578,974	\$ 580,547	\$ 580,400	\$ 594,000	\$ 588,000
 Total General Fund Revenues	 \$ 581,282	 \$ 578,974	 \$ 580,547	 \$ 580,400	 \$ 594,000	 \$ 588,000

LAKE OZARK - OSAGE BEACH JOINT SEWER BOARD
FY2021 Operating Budget

Expenditures	FY2017 Actual	FY2018 Actual	FY2019 Actual	FY2020 Budget	FY2020 Projected Year-End	FY2021 Budget
Operations and Maintenance						
4000 Transfer to Equip. Replace. Fund	41,604	41,604	41,604	71,606	71,606	71,606
4020 Equip & Bldg. Repair/Main.	129,789	9,714	104,063	88,000	98,000	136,800
4140 Insurance	17,144	18,475	18,761	19,200	19,100	19,200
4150 Vehicle Repair/Main.	12,048	3,887	5,480	10,000	13,500	8,000
4160 Haulers fees to contractor	8,000	8,000	-	-	-	-
4170 Contract Management	311,230	319,011	299,592	308,580	308,580	314,752
4175 Electric Service	69,262	79,533	73,277	75,000	74,000	75,000
4176 Utilities Misc.	-	-	3,717	3,100	3,200	3,500
4190 Bank Charges	24	24	176	75	75	-
4200 Audit	2,200	2,300	2,400	2,500	2,500	2,600
4220 Professional Services	1,200	-	-	-	-	-
4240 Equipment - New Generator	-	-	145,247	-	-	500
Total Operations and Maintenance	\$ 592,501	\$ 482,549	\$ 694,317	\$ 578,061	\$ 590,561	\$ 631,958

DETAIL: Equip & Bldg. Repair/Main.

Accounting - Quickbooks	300	Tier 1
Auto Dialer Yrly Software Fee	500	Tier 1
Regular Maintenance	15,000	Tier 1
UV Spare Parts	10,000	Tier 1
Ducking skimmer arm elec repair	5,000	Tier 1
Rick for road	2,000	Tier 1
Chainlink fence repair	4,000	Tier 1
#2 Basin remove grit & repairs	100,000	Tier 2
	136,800	

LAKE OZARK - OSAGE BEACH JOINT SEWER BOARD
FY2021 Equipment Replacement Budget

Cash & Equivalent Balance January 1, 2020 - Estimated

Restricted - Fund Reserves

Restricted - Other

Unrestricted

512,727

TOTAL Cash & Equivalent Balance January 1, 2021

\$ 512,727

Revenue

Interest

6,000

Transfer From Other Funds

71,606

TOTAL Revenues

\$ 77,606

Expenditures

Replacement

21,000

TOTAL Expenditures

\$ 21,000

Cash & Equivalent Balance December 31, 2021 - Estimated

Restricted - Fund Reserves

569,333

Restricted - Other

Unrestricted

-

TOTAL Cash & Equivalent Balance December 31, 2021

\$ 569,333

LAKE OZARK - OSAGE BEACH JOINT SEWER BOARD
FY2021 Equipment Replacement Budget

REVENUE	FY2017 Actual	FY2018 Actual	FY2019 Actual	FY2020 Budget	FY2020 Projected Year-End	FY2021 Budget
<u>Replacement Revenue</u>						
3000 Transfer from Operating	41,604	41,604	41,604	71,606	71,606	71,606
3100 Interest Earned	2,319	5,348	9,002	4,000	8,000	6,000

Total Revenue	\$ 43,923	\$ 46,952	\$ 50,606	\$ 75,606	\$ 79,606	\$ 77,606
---------------	-----------	-----------	-----------	-----------	-----------	-----------

LAKE OZARK - OSAGE BEACH JOINT SEWER BOARD
FY2021 Equipment Replacement Budget

EXPENDITURES	FY2017 Actual	FY2018 Actual	FY2019 Actual	FY2020 Budget	FY2020 Projected Year-End	FY2021 Budget
<u>Replacement Expenditures</u>						
4000 Replacement Expenses	\$7,555	\$42,783	\$41,281	\$83,500	104,000	21,000
	<u>\$7,555</u>	<u>\$42,783</u>	<u>\$41,281</u>	<u>\$83,500</u>	<u>\$104,000</u>	<u>\$21,000</u>

DETAIL: Equipment & Replacement

Replace Pista Grit Cart w/machine work	3,000	Tier 1
Replace wooden doors w/fiberglass	2,000	Tier 1
Rebuild 3 RAS pumps	10,000	Tier 1
Replaace lawn mower	6,000	Tier 1
	<u>21,000</u>	

CAPITAL IMPROVEMENT ITEM DESCRIPTIONS
For Consideration
BUDGET YEAR 2021

TIER 1

		4000/ER	
1. Replacement Pista Grit Cart w/machine work included	(estimated)	\$3,000	New
2. Replace wooden doors w/ fiberglass doors, a couple per year	(estimated)	\$2,000	Carryover
3. Replace existing lawn mower	(estimated)	\$6,000	New - Carryover
4. Rebuild 3 RAS pumps	(estimated)	\$10,000	New
	Subtotal	\$21,000	
		4020	Notes
5. Annual Accounting Software - Quickbooks	(estimated)	\$300	Annual Fee
6. Annual fee for Mission autodialer (software fee)	(estimated)	\$500	Annual Fee
7. Regular Plant Maintenance, diesel for generator included	(estimated)	\$15,000	Annual Maint.
8. UV Bulbs, Quartz Sleeves and Spare Parts	(estimated)	\$10,000	Annual Maint.
9. Ducking skimmer arm mechanisim electrical panel repair	(estimated)	\$5,000	New
10. Rock for the road.	(estimated)	\$2,000	Carryover
11. Chainlink fence repair	(estimated)	\$4,000	Carryover
	Subtotal	\$36,800	
		4150	
12. Vehicle Maintenance which includes maintenace agreement for generator	(estimated)	\$8,000	Annual Maint.
	Subtotal	\$8,000	
		4240	
12. Stick arc welder	(estimated)	\$500	New
	Subtotal	\$500	
	Total	\$66,300	

TIER 2

1. Take #2 Aeration Basin down, removal of grit by Contractor, repair or replace valves and all required lab testing on grit	(estimated)	\$100,000	New - Carryover
	Estimated Tier 2 Total	\$100,000	

Informational TIER 3

1. New 6 wheel drive sludge truck w/ flotation type tires w/ 3000 gallon tank	(estimated)	\$200,000	New - Carryover
	Estimated Tier 3 Total	\$200,000	