

**OSAGE BEACH/LAKE OZARK  
JOINT SEWER BOARD MEETING  
AGENDA  
August 16, 2011  
4:00 p.m.  
@ LAKE OZARK CITY HALL**

**1. CALL TO ORDER**

**2. ROLL CALL**

**Committee Members**

Penny Lyons, Mayor, Osage Beach  
Johnnie Franzekos, Mayor, Lake Ozark  
Nancy Viselli, City Administrator, Osage Beach  
Dave VanDee, City Administrator, Lake Ozark  
Don Langley, Alderman, Lake Ozark  
Ron Schmitt, Alderman, Osage Beach  
Rick King, Public Works Director, Osage Beach  
Matt Michalik, Public Works Director, Lake Ozark  
Gary Hamner

**Non- Members:**

Karri Bell, Treasurer, Osage Beach  
Julie Huttenlocker, Joint Sewer Clerk, Lake Ozark  
Gary Hutchcraft, Plant Manager  
Gary Anger, Alliance Water Resources

**3. MINUTES**

**Page Numbers**

Minutes from July 19, 2011

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**4. REPORTS**

Bill List  
Revenue Budget Analysis  
Expenditure Budget Analysis  
Income & Expense Summary/ER Fund Analysis  
Balance Sheet  
Check Registers & Bank Statements  
July 2011 Alliance Report and Flow Report

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21-38

**5. OLD BUSINESS**

**6. NEW BUSINESS**

- A. Awarding Bid for Auto Dialer Project
- B. Review of 2010 Audit

**7. DISCUSSION**

**8. ADJOURNMENT**

**THE NEXT MEETING WILL BE SEPTEMBER 20, 2011 @ 4:00 PM @ LAKE OZARK CITY HALL**



**LAKE OZARK - OSAGE BEACH**  
**Joint Sewer Board**  
**MINUTES OF MEETING**  
**July 19, 2011**

**CALL TO ORDER:** Mayor Penny Lyons called the meeting to order @ 4:00 P.M., at Lake Ozark City Hall.

**ROLL CALL:**

Committee Persons Present:

Mayor Penny Lyons, OB  
Mayor Johnnie Franzeskos, LO  
Nancy Viselli, City Administrator, OB  
Dave Van Dee, City Administrator, LO  
Don Langley, Alderman, LO  
Ron Schmitt, Alderman, OB  
Rick King, Public Works Director, OB  
Matt Michalik, Public Works Director, LO  
Gary Hamner

Others Present:

Gary Hutchcraft, Plant Manager  
Julie Huttenlocker, Joint Sewer Clerk  
Ed Rucker, Osage Beach City Attorney  
Karri Bell, Treasurer

**ADOPTION OF PREVIOUS MINUTES:**

Mayor Penny Lyons asked for a motion to approve the June 21, 2011 Minutes. Discussion occurred between Members and City Attorney Ed Rucker regarding clarification on the last paragraph of New Business. Mayor Johnnie Franzeskos made a motion to approve the minutes: his motion was seconded by City Administrator Nancy Viselli. All present voted aye, motion carried.

**BILLS:**

Board Member Gary Hamner made a motion to approve the Bills List, second by Mayor Johnnie Franzeskos. All present voted aye, motion carried.

**REPORTS:**

**REVENUE BUDGET ANALYSIS**

Members reviewed. No discussion occurred

**EXPENDITURE BUDGET ANALYSIS**

Members reviewed. No discussion occurred.

**INCOME & EXPENSE SUMMARY/ER FUND ANALYSIS**

Members reviewed. No discussion occurred.

**BALANCE SHEET**

Members Reviewed. No discussion occurred.

**CHECK REGISTERS**

Members reviewed. No discussion occurred.

### **ALLIANCE REPORT & FLOW CHARTS:**

The average daily incoming flow for June 2011 was 1.552 mgd. We had 4.4 inches of precipitation measured at the WWTP in June 2011.

Operationally, the plant's discharge was excellent, with an effluent monthly average BOD and TSS of 1.1 mg/l and 0.4 mg/l respectively for June 2011. This represented better than a 99.5% or better removal.

The MLSS combined average for both aeration basins was 3,530/l in June 2011. The total dry weight sludge inventory for June 2011 totaled 223,869 pounds. Plant Personal was able to land apply 78 loads of biosolids in June 2011.

Alliance Member Gary Anger stated that they went out for bids for the 16 channel on July 8<sup>th</sup>. they will be opening bids on August 8<sup>th</sup> and plan to have the result and recommendations for the next meeting.

Mr. Anger reviewed the toxicity test with Members which were included in the packet.

Alliance Member Gary Hutchcraft demonstrated the three-phase busbar which was damaged last month.

Mr. Anger then informed Members of the luncheon that Mr. Hutchcraft won for everyone at the meeting tonight and explained how he won it.

Mayor Penny Lyons then asked for a motion to approve the Alliance Reports and Flow Reports. City Administrator Dave Van Dee made a motion, second by Mayor Johnnie Franzekos. All voted aye, motion carried.

### **OLD BUSINESS:**

**No Discussion Occurred.**

### **NEW BUSINESS:**

**No Discussion Occurred.**

### **DISCUSSION:**

Mayor Penny Lyons informed Members of a discussion in which she had with DNR Members regarding Rocky Mount.

Board Member Gary Hamner then discussed a few issues with Members.

### **ADJOURNMENT**

Osage Beach Mayor Penny Lyons adjourned meeting at 4:22 pm.

**Next Meeting: August 16, 2011 at 4 P.M at Lake Ozark City Hall.**

---

Penny Lyons, Mayor

---

Julie Huttenlocker, Joint Sewer Clerk

JOINT SEWER BOARD

BILL LIST

August 16, 2011

|                                                               |                     |
|---------------------------------------------------------------|---------------------|
| OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:             | \$ 21,787.07        |
| OPERATING FUND BILLS TO BE PAID:                              | \$ 8,358.81         |
| EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING: | \$ -                |
| EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:                  | \$ -                |
| <b>TOTAL</b>                                                  | <b>\$ 30,145.88</b> |

OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:

| Account      | Check | Paid To:                       | Description:      | Amount:             |
|--------------|-------|--------------------------------|-------------------|---------------------|
| 4170         | 3116  | Alliance Water Resources, Inc. | Management Fee    | \$ 21,787.07        |
| 4185         | 3117  | Ameren Missouri                | Electric Aug 2011 | \$ 8,983.07         |
| <b>TOTAL</b> |       |                                |                   | <b>\$ 21,787.07</b> |

OPERATING FUND BILLS TO BE PAID:

| Account | Check | Paid To:                       | Description:                           | Amount:     |
|---------|-------|--------------------------------|----------------------------------------|-------------|
| 4000    | 3118  | Equipment Replacement Fund     | Payment into ER Fund                   | \$ 3,467.17 |
| 4010    | 3119  | Equipment Replacement Fund     | New Basin -Loan Payment                | \$ 2,330.12 |
| 4020    | 3120  | Alliance Water Resources, Inc. | Repair/Main                            | \$ 468.80   |
| 4150    | 3120  | Alliance Water Resources, Inc. | Vehicle Main/Repair                    | \$ 148.72   |
| 4160    | 3121  | Alliance Water Resources, Inc. | Waste Hauling Fees                     | \$ 294.00   |
| 4200    | 3122  | GK&C                           | Audit of financial Statements for 2010 | \$ 1,650.00 |
|         |       |                                |                                        | \$ 8,358.81 |

EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING:

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

EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:

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

**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: 4973

Invoice Date: 01-Aug-11

Customer No: 20220

Terms: 30 days

| REFERENCE | DESCRIPTION                                             | AMOUNT      |
|-----------|---------------------------------------------------------|-------------|
|           | Wastewater Plant operating service for month of: Aug-11 |             |
|           | Base Fee                                                | \$21,787.07 |
| TOTAL DUE |                                                         | \$21,787.07 |



Please Return This Portion With Your Payment.

| AMOUNT DUE                           | DUE DATE       |
|--------------------------------------|----------------|
| \$8,525.22                           | Aug 19, 2011   |
| AMOUNT PAYABLE<br>AFTER Aug 30, 2011 | ACCOUNT NUMBER |
| \$8,653.10                           | 45800-05832    |

Amount Enclosed \$ \_\_\_\_\_



>00514 0078453 0001 092139  
**ALLIANCE WATER RESOURCES INC**  
**ACCTS PAYABLE**  
**206 S KEENE ST**  
**COLUMBIA, MO 65201**

00514 1 MB 0.390 MIX 630



**Ameren Missouri**  
**P.O. Box 66301**  
**St. Louis, MO 63166-6301**

40600000 0045800058302 000008525220 000008525220

Keep This Portion For Your Records

| ACCOUNT NUMBER | 45800-05832                              |
|----------------|------------------------------------------|
| NAME           | ALLIANCE WATER RESOURCES INC             |
| SERVICE AT     | 3 ANDERSON RD, -<br>LAKE OZARK, MO 65049 |

| BILL DATE | Aug 9, 2011 |
|-----------|-------------|
|-----------|-------------|

| TOTAL AMOUNT DUE BY | Aug 19, 2011 | \$8,525.22 |
|---------------------|--------------|------------|
| DELINQUENT AFTER    | Aug 30, 2011 | \$8,653.10 |

Payment Received on Jul 19, 2011

\$8,176.38

| TYPE OF READING | METER NUMBER | SERVICE FROM TO | NO. DAYS | PREVIOUS  | METER READING PRESENT | READING DIFFERENCE | METER MULTIPLIER | THERM FACTOR | USAGE       | R D |
|-----------------|--------------|-----------------|----------|-----------|-----------------------|--------------------|------------------|--------------|-------------|-----|
| Total kWh       | 11673321     | 07/07-08/07     | 31       | 5907.0000 | 6597.0000             | 690.0000           | 160.0000         |              | 110400.0000 | A   |
| Peak kW         | 11673321     | 07/07-08/07     | 31       | 0.0000    | 1.2020                | 1.2020             | 160.0000         |              | 192.3200    | A   |

Service To

### SUMMARY

Service To

|                |            |             |                      |            |          |
|----------------|------------|-------------|----------------------|------------|----------|
| Total kWh      | 08/07/2011 | 110400.0000 | Peak kW              | 08/07/2011 | 192.3000 |
| Billing Demand | 08/07/2011 | 192.3000    | Total Billing Demand | 08/07/2011 | 192.3000 |

### METERED ELECTRIC SERVICE BILLING

Rate 3M Large General Service

Service From 07/07/2011 To 08/07/2011

|                              |            |     |                |            |
|------------------------------|------------|-----|----------------|------------|
| Demand Charge                | 192.30     | kW  | @ \$4.19902801 | \$807.47   |
| Energy Charge/Hours Used     | 28,845.00  | kWh | @ \$.08995797  | \$2,594.84 |
| Energy Charge/Hours Used     | 38,460.00  | kWh | @ \$.06769993  | \$2,603.74 |
| Energy Charge/Hours Used     | 43,095.00  | kWh | @ \$.04551607  | \$1,961.52 |
| Customer Charge              |            |     |                | \$80.83    |
| Fuel Adjustment Charge       | 110,400.00 | kWh | @ \$.00419000  | \$462.58   |
| Energy Efficiency Pgm Charge | 110,400.00 | kWh | @ \$.00012903  | \$14.24    |
| Total Service Amount         |            |     |                | \$8,525.22 |

\$8,525.22

|                    |            |
|--------------------|------------|
| Current Amount Due | \$8,525.22 |
| Prior Amount Due   | \$0.00     |
| Total Amount Due   | \$8,525.22 |

Effective July 31, 2011, the Missouri Public Service Commission approved a 7% increase for the Company's Electric Delivery Rates. For information about these changes, please visit [AmerenMissouri.com](http://AmerenMissouri.com) or call us at 1.800.552.7583. Your electric charges for this period may have been prorated. Proration occurs when part of your bill is calculated at the old rate and part is calculated at the new rate.

A late payment charge of 1.5% will be added for any unpaid balance on all accounts after the delinquent date.









Please Return This Portion With Your Payment.

☐ Pure Power

| AMOUNT DUE                        | DUE DATE       |
|-----------------------------------|----------------|
| \$457.85                          | Aug 19, 2011   |
| AMOUNT PAYABLE AFTER Aug 30, 2011 | ACCOUNT NUMBER |
| \$464.72                          | 55800-05920    |

Amount Enclosed \$ \_\_\_\_\_

>00514 0078453 0001 092139  
 ALLIANCE WATER RESOURCES INC  
 ACCTS PAYABLE  
 206 S KEENE ST  
 COLUMBIA, MO 65201



Ameren Missouri  
 P.O. Box 66301  
 St. Louis, MO 63166-6301

30633000 0055800059200 000000457850 000000457850

Keep This Portion For Your Records

| ACCOUNT NUMBER | 55800-05920                           |
|----------------|---------------------------------------|
| NAME           | ALLIANCE WATER RESOURCES INC          |
| SERVICE AT     | 3 ANDERSON RD<br>LAKE OZARK, MO 65049 |

| BILL DATE | Aug 9, 2011 |
|-----------|-------------|
|-----------|-------------|

| TOTAL AMOUNT DUE BY | Aug 19, 2011 | \$457.85 |
|---------------------|--------------|----------|
| DELINQUENT AFTER    | Aug 30, 2011 | \$464.72 |

Payment Received on Jul 19, 2011

\$328.43

| TYPE OF READING | METER NUMBER | SERVICE FROM TO | NO. DAYS | METER READING PREVIOUS | METER READING PRESENT | READING DIFFERENCE | METER MULTIPLIER | THERM FACTOR | USAGE     | R D |
|-----------------|--------------|-----------------|----------|------------------------|-----------------------|--------------------|------------------|--------------|-----------|-----|
| Total kWh       | 56982621     | 07/07-08/07     | 31       | 31965.0000             | 36471.0000            | 4506.0000          | 1.0000           |              | 4506.0000 | A   |
| Peak kW         | 56982621     | 07/07-08/07     | 31       | 0.0000                 | 72.6910               | 72.6910            | 1.0000           |              | 72.6910   | A   |

Total kWh Service To 08/07/2011 4506.0000 Service To

**METERED ELECTRIC SERVICE BILLING**  
 Rate 2M Sm Gen Svc - 3 Ph w/Dmnd  
 Threshold - Peak Demand  
 Service From 07/07/2011 To 08/07/2011

|                              |                |              |          |
|------------------------------|----------------|--------------|----------|
| Total Energy Charge          | 4,506.00 kWh @ | \$ .09318700 | \$419.90 |
| Customer Charge              |                |              | \$18.85  |
| Fuel Adjustment Charge       | 4,506.00 kWh @ | \$ .00419000 | \$18.87  |
| Energy Efficiency Pgm Charge | 4,506.00 kWh @ | \$ .00005161 | \$0.23   |
| Total Service Amount         |                |              | \$457.85 |

|                    |          |
|--------------------|----------|
| Current Amount Due | \$457.85 |
| Prior Amount Due   | \$0.00   |
| Total Amount Due   | \$457.85 |

Sign up for Pure Power to support clean renewable energy in Missouri and the Midwest. By checking the box, a 1.5 cents per kilowatt hour charge will apply. You may cancel at any time.

Effective July 31, 2011, the Missouri Public Service Commission approved a 7% increase for the Company's Electric Delivery Rates. For information about these changes, please visit AmerenMissouri.com or call us at 1.800.552.7583. Your electric charges for this period may have been prorated. Proration occurs when part of your bill is calculated at the old rate and part is calculated at the new rate.

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**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: 5001

Invoice Date: 01-Aug-11

Customer No: 20220

Terms: 30 days

| REFERENCE | DESCRIPTION                                   | AMOUNT   |
|-----------|-----------------------------------------------|----------|
|           | USA BlueBook - 1 Invoice - 50%                | \$218.41 |
|           | Enviromental Dynamics, Inc. - 1 Invoice - 50% | \$198.91 |
|           | Purcell Tire - 1 Invoice - 50%                | \$93.10  |
|           | Walmart - 1 Invoice - 50%                     | \$55.62  |
|           | TG Technical Services - 1 Invoice - 50%       | \$51.48  |
| TOTAL DUE |                                               | \$617.52 |

# 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. |
|--------------|----------|
| 450581       | 1 of 1   |
| CUSTOMER NO. | DATE     |
| 304523       | 07/25/11 |

View online at: <http://usabluebook.billtrust.com>  
Web Enrollment Token: HFB QFB VSV

BILL TO: 304523  
272 1 SP 0.440 E0272 10308 0350732485 P830526 0002:0002

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

Attention: 0009 GARY HUTCHCRAFT

| CUSTOMER P.O. NO. | SHIP DATE                                                             | SUP     | TERMS        | TAX CODE  | SALES ORDER NO. | WA     | FREIGHT | SHIP VIA  |
|-------------------|-----------------------------------------------------------------------|---------|--------------|-----------|-----------------|--------|---------|-----------|
| VERBAL            | 07/25/11                                                              | DEP     | 1%/10 NET 30 | MO        | 311926          | 01     | PREPAID | UPS       |
| USA STOCK NO.     | DESCRIPTION                                                           | ORDERED | SHIPPED      | BACKORDER | U/M             | PRICE  | PER     | EXTENSION |
| 26957             | Fire Hose - 1-1/2" NST x 50'                                          | 2       | 2            | 0         | EA              | 189.95 | EA      | 379.90    |
| 14210             | Double Jacket - Mx F Alum<br>Wash Down Nozzle 3/4" NPSH x 6'<br>Brass | 1       | 1            | 0         | EA              | 25.95  | EA      | 25.95     |

GL Acct#: 6705-20<sup>241.25</sup> 1220-20<sup>218.41</sup>  
Signature: *Gary Hutchcraft*  
Date: 7/29/11

4020

RECEIVED  
JUL 29 2011

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  |
|-------------|---------------|----------|-------|---------|--------|
| 405.85      | 0.00          | 0.00     | 22.85 | 30.96   | 459.66 |

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  |
|-------------|--------------|----------|--------|
| 450581      | 304523       | 07/25/11 | 459.66 |

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

REMITTANCE ADDRESS

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

Environmental Dynamics, Inc.  
5601 Paris Road  
Columbia MO 65202  
USA

Phone: 573-474-9456  
Fax: 573-474-6988

Invoice: 31800

Page: 1 of 1  
Date: 7/11/2011

**Sold To:**

Alliance Water  
PO Box 1985  
Lake Ozark MO 65049  
USA

**Ship To:**

Gary Hutchcraft  
Alliance Water  
#3 Anderson Road  
Lake Ozark MO 65049  
USA

Fax: 573-365-0455

PO Number: Verbal per Gary  
Sales Rep: Diane Zumwalt  
Packing Slip: 46401

Terms: Net 30  
Ordered: 7/8/2011

F.O.B: PREPAY  
Ship Via: UPS Ground  
Ship Date: 7/8/2011

|             |      |                         |   |              |        |
|-------------|------|-------------------------|---|--------------|--------|
| 1           | 2:00 | 020080100               | A | 190.54000 EA | 381.08 |
| Line Ref. 1 |      | CLAMP, CPLG, 304, 10X8L |   |              |        |

Warehouse Code: USACOU

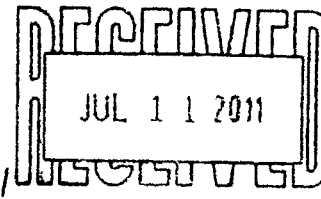
**Line (1) Miscellaneous Charges**

| Description | Amount |
|-------------|--------|
| 1.) Freight | 16.74  |

GL Acct#: 6705-20198.91 1200-20198.91

Signature: *Gary Hutchcraft* 4020

Date: 7/11/11



Currency: USD

Total: \$397.82

|       |           |        |
|-------|-----------|--------|
| 1     | 8/10/2011 | 397.82 |
| Total |           | 397.82 |



SEND PAYMENTS  
ONLY TO:

PURCELL TIRE CO.  
P.O. BOX 503649  
ST. LOUIS, MO 63150-3649

PURCELL OSAGE BEACH  
390 VIRGINIA AVE

INVOICE #: 2047400

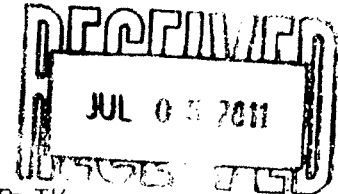
OSAGE BEACH, MO  
65065  
573/348-4010

PAGE: 1  
TIME STARTED: 15:20:20  
TIME CLOSED: 15:23:01

NONSIG #: 000162267  
CUSTOMER: ALLIANCE WATER RESOURCE  
#3 ANDERSON RD  
2000441 P O BOX 1985  
LAKE OZARKS MO

ACCT#: 2000441

WORK: 573/365-0455 0



SALESMAN: 02009 VEHICLE: SERVICE CALL WATER TRUCK  
INVOICE DATE: 07/01/11 LICENSE: MO MD MILEAGE: 1  
TERMS: NET 10TH

| PRODUCT                                              | MECHANIC | QUANTITY | PRICE | F.E.T. | EXTENSION |
|------------------------------------------------------|----------|----------|-------|--------|-----------|
| FUEL SURCHARGE                                       |          | 1.00     | 20.00 |        | 20.00     |
| FUEL1                                                |          |          |       |        |           |
| SERVICE CALL REG HOURS                               | 2011     | 2        | 70.00 |        | 140.00    |
| 04624000                                             |          |          |       |        |           |
| SCRAP TIRE DISPOSAL COMM. SS                         |          | 1        | 15.00 |        | 15.00     |
| 046270                                               |          |          |       |        |           |
| ON WATER TRUCK DID ONE FLAT REPAIR / ROTATE RF TO RR |          |          |       |        |           |
| SHOP MATERIALS                                       |          |          | 11.20 |        | 11.20     |
| 093200                                               |          |          |       |        |           |

GL Acct#: 6702-20 93.71 1220-20 93.10

Signature: [Signature] 4150

Date: 7/5/11

MERCHANDISE: 11.20  
LABOR: 175.00  
SALES TAX: 0.61  
INVOICE TOTAL: 186.81

CHARGE ACCOUNT

186.81

\*\*\*\*\*THANK YOU FOR STOPPING BY YOUR LOCAL PURCELL TIRE AND AUTO CENTER\*\*\*\*\*  
\*\*\*\*\*TIRE & SERVICE NETWORK NATION WIDE WARRANTY 1 800-426-0733\*\*\*\*\*

Customer Signature : \_\_\_\_\_

Printed Name: \_\_\_\_\_

2

SERVICE CHARGES: 1 1/2% PER MONTH/18% ANNUAL RATE ON ALL PAST DUE AMOUNTS

# Walmart

Save money. Live better.

Walmart  
MANAGER PHIL HAMILTON  
( 573 ) 348 - 6445  
OSAGE BEACH, MO  
STM 0815 OP# 00003790 TEN 03 TR# 07623  
REFRIGERANT 003910106312  
12 AT 1 FOR 9.27 111.24 X  
SUBTOTAL 111.24  
TAX 1 7.475 8.32  
TOTAL 119.56  
WALMART CREDIT TEND 119.56

ACCOUNT # 5920  
APPROVAL # 007527  
REF # 118800018818  
CHANGE DUE 0.00

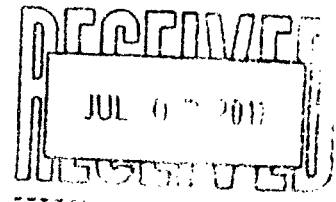
# ITEMS SOLD 12

TCH 8459 0865 1837 0818 0479 5



New Pick Up Today. Order online.  
Free same-day pick up at your Walmart.  
07/07/11 10:38:02

\*\*\*CUSTOMER COPY\*\*\*



GL Acct#: 6702-20 63.94 1220-20 55.62

Signature: Larry Hutchcraft 4150

Date: 7/7/11

TG Technical Services  
613 SW 3rd. Street - Suite B  
Lees Summit, MO 64063

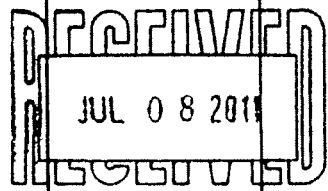
# Invoice

| Date     | Invoice # |
|----------|-----------|
| 7/6/2011 | 3280      |

|                                                                                      |
|--------------------------------------------------------------------------------------|
| <b>Bill To</b>                                                                       |
| Alliance Water Resources<br>Gary Hutchcraft<br>P.O. Box 1985<br>Lake Ozark, MO 65049 |

|                                                                                          |
|------------------------------------------------------------------------------------------|
| <b>Ship To</b>                                                                           |
| Alliance Water Resources<br>Gary Hutchcraft<br># 3 Anderson Road<br>Lake Ozark, MO 65049 |

| P.O. No.             | Terms  | Rep | Ship Via        | FOB  |
|----------------------|--------|-----|-----------------|------|
| Verbal Gary Hutch... | Net 30 | BK  | Federal Express | PP&A |

| Ordered                                                                                                                       | Item       | Description                                                           | Amount - Each | Total Amount |
|-------------------------------------------------------------------------------------------------------------------------------|------------|-----------------------------------------------------------------------|---------------|--------------|
| 1                                                                                                                             | TG-34SG-IH | 3-4 Gas Instrument Calibration - In House X-am 2000<br>S/N: ARYN-0670 | 90.00         | 90.00        |
| 1                                                                                                                             | Shipping   | Shipping and Handling Fee                                             | 12.95         | 12.95        |
| <div style="text-align: right;">  </div> |            |                                                                       |               |              |
| GL Acct#: <u>6705-20</u> \$58.31 <u>1220-20</u> \$51.48<br>Signature: <u>Gary Hutchcraft</u> 4020<br>Date: <u>7/8/11</u>      |            |                                                                       |               |              |

|                |              |                         |                         |          |
|----------------|--------------|-------------------------|-------------------------|----------|
|                |              |                         | <b>Subtotal</b>         | \$102.95 |
| <b>Phone #</b> | <b>Fax #</b> | <b>E-mail</b>           | <b>Sales Tax (7.6%)</b> | \$6.84   |
| 816-524-8100   | 816-278-5536 | lisa@tgtechservices.com | <b>Total</b>            | \$109.79 |



**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: 4968

Invoice Date: 31-Jul-11

Customer No: 20220

Terms: 30 days

| REFERENCE | DESCRIPTION                                   | AMOUNT   |
|-----------|-----------------------------------------------|----------|
|           | Hauled waste payments for the month of Jul-11 |          |
|           | 1 Hauled Waste Load @ \$40.00 each            | \$40.00  |
|           | 3 Hauled Waste Loads @ \$50.00 each           | \$150.00 |
|           | 1 Hauled Waste Load @ \$60.00 each            | \$60.00  |
|           | 1 Hauled Waste Load @ \$44.00 each            | \$44.00  |
| TOTAL DUE |                                               | \$294.00 |



GERDING, KORTE & CHITWOOD

Professional Corporation • Certified Public Accountants

723 Main Street

Boonville, Missouri 65233

660-882-7000 FAX 660-882-7765

20717

07/26/11

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

We now accept Mastercard, Visa & Discover

FOR PROFESSIONAL SERVICES:

AUDIT OF FINANCIAL STATEMENTS FOR YEAR ENDING  
12/31/2010.

Total Due \$ 1,650.00

C 20717

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

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

| Account<br>Number    | Account Name          | 7/31/2011         |                   |                   |  | 2011<br>Actual as of<br>7/31/2011 | 2011<br>July<br>Revenue | Percent<br>YTD |
|----------------------|-----------------------|-------------------|-------------------|-------------------|--|-----------------------------------|-------------------------|----------------|
|                      |                       | 2009<br>Actual    | 2010<br>Actual    | 2011<br>Budget    |  |                                   |                         |                |
| 3020                 | Osage Beach           | 497,506.57        | 407,036.02        | 396,900.00        |  | 230,136.00                        | 33,236.08               | 58%            |
| 3010                 | Lake Ozark            | 88,558.73         | 92,130.61         | 93,100.00         |  | 55,695.32                         | 7,597.25                | 60%            |
| 3100                 | Interest              | 47.88             | 136.11            | 100.00            |  | 571.24                            | 262.90                  | 571%           |
| 3060                 | Waste Haulers' Fee    | 45,240.00         | 41,630.00         | 38,000.00         |  | 22,997.00                         | 5,100.00                | 61%            |
| 3030                 | Misc Income Gen Grant | 209.40            | 0.00              | 0.00              |  | 0.00                              | 0.00                    | 0%             |
| Total Operating Fund |                       | 631,562.58        | 540,932.74        | 528,100.00        |  | 309,399.56                        | 46,196.23               | 59%            |
| E/R Fund Income      |                       | 1,183.30          | 1,645.40          | 1,000.00          |  | 1,018.83                          | 302.94                  | 102%           |
| <b>TOTAL INCOME</b>  |                       | <b>632,745.88</b> | <b>542,578.14</b> | <b>529,100.00</b> |  | <b>310,418.39</b>                 | <b>46,499.17</b>        | <b>59%</b>     |

**MONTH-TO-DATE AND YEAR-TO-DATE  
EXPENDITURE/BUDGET ANALYSIS  
7/31/2011**

| Account<br>Number                 | Account Name                                | 2009<br>Actual | 2010<br>Actual   | 2011<br>Budget | 2011<br>Actual as of<br>7/31/2011 | 2011<br>July<br>Expenses | Percent<br>YTD   |
|-----------------------------------|---------------------------------------------|----------------|------------------|----------------|-----------------------------------|--------------------------|------------------|
| 4000                              | Equipment Replace Fund                      | 41,606.04      | 41,606.04        | 42,000.00      | 24,270.19                         | 3,467.17                 | 58%              |
| 4010                              | ERF Repayment                               | 27,961.44      | 27,961.44        | 27,961.44      | 16,310.84                         | 2,330.12                 | 58%              |
| 4020                              | **Maintenance & Repair                      | 34,052.32      | 15,611.62        | 57,000.00      | 1,713.45                          | 85.10                    | 3%               |
| 4140                              | Insurance                                   | 16,305.00      | 16,211.00        | 17,000.00      | 17,127.00                         | 0.00                     | 101%             |
| 4150                              | Vehicle Repair/Maint                        | 5,906.73       | 2,660.05         | 3,000.00       | 571.21                            | 0.00                     | 19%              |
| 4160                              | Haulers Fees to Contractor                  | 8,600.00       | 8,000.00         | 8,000.00       | 7,706.00                          | 1,920.00                 | 96%              |
| 4170                              | Contract Management                         | 308,837.65     | 312,836.20       | 265,000.00     | 157,599.23                        | 21,787.07                | 59%              |
| 4185                              | Electric                                    | 0.00           | 0.00             | 65,000.00      | 33,152.29                         | 8,504.81                 | 51%              |
| 4190                              | Miscellaneous                               | 0.00           | 0.00             | 0.00           | 0.00                              | 0.00                     | 0%               |
| 4200                              | Audit                                       | 1,550.00       | 1,600.00         | 1,650.00       | 0.00                              | 0.00                     | 0%               |
| 4220                              | ***Professional Service                     | 155,052.28     | 24,828.71        | 30,000.00      | 4,244.12                          | 0.00                     | 14%              |
| 4240                              | *Capital Purchases                          | 5,339.49       | 1,659.40         | 12,000.00      | 6,192.91                          | 90.00                    | 52%              |
|                                   | Totals                                      | 605,210.95     | 452,974.46       | 528,611.44     | 268,887.24                        | 38,184.27                | 51%              |
|                                   | **E/R Expenses                              | 41,562.00      | 31,809.73        | 10,000.00      | 1,523.00                          | 0.00                     | 15%              |
|                                   | <b>TOTAL EXPENSES</b>                       | 646,772.95     | 484,784.19       | 538,611.44     | 270,410.24                        | 38,184.27                | 50%              |
| <b>***Professional Services:</b>  |                                             |                |                  |                |                                   |                          |                  |
|                                   | Engineering Consulting Fee/Backup Generator |                | 5,000.00         |                |                                   |                          | 8,000.00         |
|                                   | Normal/Magruder Lawsuit                     |                | 25,000.00        | Paid 04/11     | Pressure Washer/Steam Clean       |                          | 4,000.00         |
|                                   |                                             |                | <u>30,000.00</u> | Paid 03/11     | Unbudgeted Lab Equip. Purchase    |                          | <u>12,000.00</u> |
|                                   |                                             |                |                  |                |                                   |                          | <b>2,344.53</b>  |
| <b>**Maintenance &amp; Repair</b> |                                             |                |                  |                |                                   |                          |                  |
|                                   | UV Spare Parts                              |                |                  |                |                                   |                          | 5,000.00         |
|                                   | Replace Wooden d/s w/ Fiberglass            |                |                  |                |                                   |                          | 4,000.00         |
|                                   | Rock for Road                               |                |                  |                |                                   |                          | 2,000.00         |
|                                   | Normal Maintenance                          |                |                  |                |                                   |                          | 6,000.00         |
|                                   | #2 Aeration Basin Main                      |                |                  |                |                                   |                          | <u>40,000.00</u> |
|                                   |                                             |                |                  |                |                                   |                          | <b>57,000.00</b> |

**OPERATING FUND INCOME AND EXPENSE SUMMARY**  
**7/31/2010**

|                                                 |                   |
|-------------------------------------------------|-------------------|
| Beginning Balance                               | 210,060.98        |
| Income - Osage Beach                            | 33,236.08         |
| Income - Lake Ozark                             | 7,597.25          |
| Income - Other                                  | 0.00              |
| Income - Waste Haulers' Fees                    | 5,100.00          |
| Interest - Checking                             | 10.21             |
| Income - CD Interest                            | 252.69            |
| Transfers From E/R Fund                         | 0.00              |
| Transfers to E/R fund                           | -5,797.29         |
| Expenses                                        | -32,423.81        |
| Ending Fund Balance                             | <b>218,036.11</b> |
| NOW Account - Central Bank                      | 117,660.93        |
| CD First National Bank, 1.00%, 07/10/11 #000049 | 100,502.01        |
| Outstanding Checks:                             | -126.83           |
| Deposit in Transit:                             | 0.00              |
|                                                 | <b>218,036.11</b> |

**EQUIPMENT REPLACEMENT FUND INCOME AND EXPENSE SUMMARY**  
**7/31/2010**

|                                                 |                   |
|-------------------------------------------------|-------------------|
| Beginning Balance                               | 208,033.06        |
| Interest - Checking                             | 12.77             |
| Income - CD Interest                            | 278.94            |
| Transfers From E/R Fund                         | 5,797.29          |
| Transfers to E/R Fund                           | 0.00              |
| Income - Miscellaneous                          | 0.00              |
| Expenses                                        | 0.00              |
| Ending Fund Balance                             | <b>214,122.06</b> |
| NOW Account - First Bank                        | 101,961.01        |
| CD First National Bank, 1.00%, 07/10/11 #000048 | 112,161.05        |
| Deposit in Transit                              | 0.00              |
| Outstanding Checks:                             | 0.00              |
|                                                 | <b>214,122.06</b> |

**OPERATING FUND  
BALANCE SHEET  
7/31/2010**

|                      |                          | DEBITS     | CREDITS    |
|----------------------|--------------------------|------------|------------|
| ASSETS               | CASH AND INVESTMENTS     | 218,036.11 |            |
| ACCOUNTS PAYABLE     | DUE TO E.R. FUND - BASIN |            | 62,757.27  |
| EQUITY               | FUND BALANCE             |            | 155,278.84 |
| TOTAL OPERATING FUND |                          | 218,036.11 | 218,036.11 |

**EQUIPMENT REPLACEMENT FUND  
BALANCE SHEET  
7/31/2010**

|                                  |                                 | DEBITS     | CREDITS    |
|----------------------------------|---------------------------------|------------|------------|
| ASSETS                           | CASH AND INVESTMENTS            | 214,122.06 |            |
| ACCOUNTS RECEIVABLE              | DUE FROM OPERATING FUND - BASIN | 62,757.27  |            |
| EQUITY                           | FUND BALANCE                    |            | 276,879.33 |
| TOTAL EQUIPMENT REPLACEMENT FUND |                                 | 276,879.33 | 276,879.33 |

## Operating Fund

**CHECK REGISTER - JOINT SEWER BOARD OPERATION FUND**

|      |                                   |   |           |                   |
|------|-----------------------------------|---|-----------|-------------------|
|      | <b>reconciled balance 3/31/11</b> |   |           | <b>103,930.57</b> |
| 3087 | Alliance Water Resources, Inc.    | X | 21,787.07 | 82,143.50         |
| 3088 | ER Fund Transfer                  | X | 3,467.17  | 78,676.33         |
| 3089 | ER Fund Loan Payment              | X | 2,330.12  | 76,346.21         |
| 3090 | Alliance Water Resources, Inc.    | X | 4,394.66  | 71,951.55         |
| 3091 | Alliance Water Resources, Inc.    | X | 1,200.00  | 70,751.55         |
|      | Deposit                           | X |           | 8,292.96          |
|      | Deposit                           | X |           | 32,540.38         |
|      | Deposit                           | X |           | 2,712.00          |
|      | Interest                          | X |           | 8.88              |
|      | <b>reconciled balance 4/30/11</b> |   |           | <b>114,305.77</b> |
| 3092 | Ameren Missouri                   | X | 4,374.11  | 109,931.66        |
| 3093 | Alliance Water Resources, Inc.    | X | 21,787.07 | 88,144.59         |
| 3094 | ER Fund Transfer                  | X | 3,467.17  | 84,677.42         |
| 3095 | ER Fund Loan Payment              | X | 2,330.12  | 82,347.30         |
| 3096 | Alliance Water Resources, Inc.    | X | 324.40    | 82,022.90         |
| 3097 | Alliance Water Resources, Inc.    | X | 1,356.00  | 80,666.90         |
| 3097 | Bryan Cave                        | X | 373.11    | 80,293.79         |
| 3099 | Ameren Missouri                   | X | 5,092.23  | 75,201.56         |
|      | Deposit                           | X |           | 32,751.11         |
|      | Deposit                           | X |           | 8,082.22          |
|      | Deposit                           | X |           | 4,060.00          |
|      | Interest                          | X |           | 9.71              |
|      | <b>reconciled balance 5/31/11</b> |   |           | <b>120,104.60</b> |
| 3100 | Travelers                         | X | 17,127.00 | 102,977.60        |
| 3101 | Alliance Water Resources, Inc.    | X | 21,787.07 | 81,190.53         |
| 3102 | Ameren Missouri                   | X | 7,876.93  | 73,313.60         |
| 3103 | ER Fund Transfer                  | X | 3,467.17  | 69,846.43         |
| 3104 | ER Fund Loan Payment              | X | 2,330.12  | 67,516.31         |
| 3105 | Alliance Water Resources, Inc.    | X | 230.62    | 67,285.69         |
| 3106 | Alliance Water Resources, Inc.    | X | 2,030.00  | 65,255.69         |
|      | Deposit                           | X |           | 33,086.11         |
|      | Deposit                           | X |           | 7,747.22          |
|      | Deposit                           | X |           | 3,840.00          |
|      | Interest                          | X |           | 9.47              |
|      | <b>reconciled balance 6/30/11</b> |   |           | <b>109,938.49</b> |
| 3107 | Zerger & Mauer                    | X | 11.61     | 109,926.88        |
| 3108 | Zerger & Mauer                    | X | 115.22    | 109,811.66        |
| 3109 | Alliance Water Resources, Inc.    | X | 21,787.07 | 88,024.59         |
| 3110 | Ameren Missouri                   | X | 8,504.81  | 79,519.78         |
| 3111 | ER Fund Transfer                  | X | 3,467.17  | 76,052.61         |
| 3112 | ER Fund Loan Payment              | X | 2,330.12  | 73,722.49         |
| 3113 | Alliance Water Resources, Inc.    | X | 85.10     | 73,637.39         |
| 3114 | Alliance Water Resources, Inc.    | X | 1,920.00  | 71,717.39         |
|      | Deposit                           | X |           | 33,236.08         |
|      | Deposit                           | X |           | 7,597.25          |
|      | Deposit                           | X |           | 5,100.00          |
|      | Interest                          | X |           | 10.21             |
|      | <b>reconciled balance 7/31/11</b> |   |           | <b>117,660.93</b> |



MEMBER FDIC  
P.O. Box 4500, Jefferson City, MO 65102  
(573) 348-2761 001908

Return Service Requested

Effective 7/21/11, depending on the type of check that you deposit, the first \$200 may be available for withdrawal on the first business day after the day of your deposit in accordance with our Funds Availability Policy.



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

Period 07/01/2011-07/29/2011 Page 1 of 2

Web Address  
www.cbolobank.com

M 000007297 M 8

### Your Financial Summary on July 29, 2011

#### Account Balances & Other Assets

|          |               |
|----------|---------------|
| Checking | \$ 117,660.93 |
| Total    | \$ 117,660.93 |

### Detailed Explanation of Account Balances and Other Assets

#### Basic Plus Interest Checking

No. 000007297 Beginning Balance June 30, 2011 \$ 109,938.49

#### Deposits

|                         |           |
|-------------------------|-----------|
| July 14 Deposit         | 7,597.25  |
| July 14 Deposit         | 33,236.08 |
| July 20 Deposit         | 4,200.00  |
| July 27 Deposit         | 900.00    |
| July 29 Interest Earned | 10.21     |

Total +\$ 45,943.54

#### Checks

| Check No. | Date Paid | Amount    | Check No. | Date Paid | Amount   |
|-----------|-----------|-----------|-----------|-----------|----------|
| 3107      | July 21   | 11.61     | 3111      | July 21   | 3,467.17 |
| 3108      | July 21   | 115.22    | 3112      | July 21   | 2,330.12 |
| 3109      | July 19   | 21,787.07 | 3113      | July 21   | 85.10    |
| 3110      | July 20   | 8,504.81  | 3114      | July 21   | 1,920.00 |

Total -\$ 38,221.10

Ending Balance July 29, 2011 \$ 117,660.93

Number of days since last statement/interest cycle 31  
Beginning and ending dates for calculation of statement/interest cycle are 07/01/2011 through 07/31/2011  
Average collected balance 120,151.00  
Interest rate 0.10%  
Annual percentage yield earned 0.10%



**CHECK REGISTER - JOINT SEWER BOARD EQUIPMENT REPLACEMENT FUND**

|      |                                    |   |           |                                   |                   |
|------|------------------------------------|---|-----------|-----------------------------------|-------------------|
|      |                                    |   |           | <b>reconciled balance 7/31/10</b> | <b>57,195.09</b>  |
| 1117 | Alliance Water Resources           | X | 1,641.03  |                                   | 55,554.06         |
|      | Interest                           | X |           | 7.66                              | 55,561.72         |
|      | Deposit                            | X |           | 5,797.29                          | 61,359.01         |
|      | <b>reconciled balance 8/31/10</b>  |   |           |                                   | <b>61,359.01</b>  |
|      | Interest                           | X |           | 7.76                              | 61,366.77         |
|      | Deposit                            | X |           | 5,797.29                          | 67,164.06         |
|      | <b>reconciled balance 9/30/10</b>  |   |           |                                   | <b>67,164.06</b>  |
|      | Interest                           | X |           | 8.12                              | 67,172.18         |
|      | Deposit                            | X |           | 5,797.29                          | 72,969.47         |
|      | <b>reconciled balance 10/31/10</b> |   |           |                                   | <b>72,969.47</b>  |
| 1118 | Spray Com Utilities                | X | 18,750.00 |                                   | 54,219.47         |
| 1119 | GLW                                | X | 2,998.70  |                                   | 51,220.77         |
|      | Interest                           | X |           | 9.26                              | 51,230.03         |
|      | Deposit                            | X |           | 5,797.29                          | 57,027.32         |
|      | <b>reconciled balance 11/30/10</b> |   |           |                                   | <b>57,027.32</b>  |
|      | Interest                           | X |           | 7.65                              | 57,034.97         |
|      | Deposit                            | X |           | 5,797.29                          | 62,832.26         |
|      | <b>reconciled balance 12/31/10</b> |   |           |                                   | <b>62,832.26</b>  |
| 1120 | Denny's Dock Service               | X | 1,523.00  |                                   | 61,309.26         |
|      | Interest                           | X |           | 8.24                              | 61,317.50         |
|      | Deposit                            | X |           | 5,797.29                          | 67,114.79         |
|      | <b>reconciled balance 1/31/11</b>  |   |           |                                   | <b>67,114.79</b>  |
|      | Interest                           | X |           | 8.03                              | 67,122.82         |
|      | Deposit                            | X |           | 5,797.29                          | 72,920.11         |
|      | <b>reconciled balance 2/28/11</b>  |   |           |                                   | <b>72,920.11</b>  |
|      | Interest                           | X |           | 9.67                              | 72,929.78         |
|      | Deposit                            | X |           | 5,797.29                          | 78,727.07         |
|      | <b>reconciled balance 3/31/11</b>  |   |           |                                   | <b>78,727.07</b>  |
|      | Interest                           | X |           | 9.45                              | 78,736.52         |
|      | Deposit                            | X |           | 5,797.29                          | 84,533.81         |
|      | <b>reconciled balance 4/30/11</b>  |   |           |                                   | <b>84,533.81</b>  |
|      | Interest                           | X |           | 11.33                             | 84,545.14         |
|      | Deposit                            | X |           | 5,797.29                          | 90,342.43         |
|      | <b>reconciled balance 5/31/11</b>  |   |           |                                   | <b>90,342.43</b>  |
|      | Interest                           | X |           | 11.23                             | 90,353.66         |
|      | Deposit                            | X |           | 5,797.29                          | 96,150.95         |
|      | <b>reconciled balance 6/30/11</b>  |   |           |                                   | <b>96,150.95</b>  |
|      | Interest                           | X |           | 12.77                             | 96,163.72         |
|      | Deposit                            | X |           | 5,797.29                          | 101,961.01        |
|      | <b>reconciled balance 7/31/11</b>  |   |           |                                   | <b>101,961.01</b> |



4558 Hwy 54, Suite 100  
Osage Beach, MO 65065  
(573) 348-2265

009 00010 26  
ACCOUNT:  
DOCUMENTS:

100395311  
1

PAGE: 1  
07/29/2011

74

LAKE OZARK-OSAGE BEACH JOINT  
SEWER BD.-TREATMENT PLANT BD.  
1000 CITY PARKWAY  
OSAGE BEACH MO 65065

=====

ON 09/01/11 THE MINIMUM BALANCE ON BUS. ACCOUNTS WILL BE \$2,500.00  
IF IT FALLS BELOW THIS AMOUNT THERE WILL BE A \$12.50 CHARGE PER MONTH  
ON 09/15/11 NSF FEES, OVERDRAFT FEES, STOP PAYMENTS, LEVYS & GARNISHMENTS  
WILL INCREASE \$30.00 PER ITEM & DORMANT FEES WILL BE \$10.00 PER MONTH

=====

BUSINESS MMDA ACCOUNT 100395311

=====

|                         |            |
|-------------------------|------------|
| LAST STATEMENT 06/30/11 | 96,150.95  |
| 2 CREDITS               | 5,810.06   |
| DEBITS                  | .00        |
| THIS STATEMENT 07/29/11 | 101,961.01 |

----- DEPOSITS -----

| REF # | DATE  | AMOUNT   | REF # | DATE | AMOUNT | REF # | DATE | AMOUNT |
|-------|-------|----------|-------|------|--------|-------|------|--------|
|       | 07/20 | 5,797.29 |       |      |        |       |      |        |

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

| DESCRIPTION | DATE  | AMOUNT |
|-------------|-------|--------|
| INTEREST    | 07/29 | 12.77  |

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

|                            |           |                                 |       |
|----------------------------|-----------|---------------------------------|-------|
| AVERAGE LEDGER BALANCE:    | 98,150.01 | INTEREST EARNED:                | 12.77 |
| AVERAGE AVAILABLE BALANCE: | 97,750.20 | DAYS IN PERIOD:                 | 29    |
| INTEREST PAID THIS PERIOD: | 12.77     | ANNUAL PERCENTAGE YIELD EARNED: | .16   |
| INTEREST PAID 2011:        | 70.72     |                                 |       |

\*\*\* CONTINUED \*\*\*



**OPERATING  
DIVISIONS**

*MISSOURI*

Bonne Terre  
Bowling Green  
Buchanan County #1  
Cameron  
Cape Girardeau  
East Central Missouri  
Water & Sewer  
Authority  
Elsberry  
Franklin County #1  
Franklin County #3  
Henry County  
Water Company  
Henry County #3  
Lake Ozark/  
Osage Beach  
Lincoln County #1  
Nevada  
Olympian Village  
Parkville  
Phelps County #2  
Platte County #C-1  
Proctor & Gamble  
Ralls County #1  
Sedalia  
St Charles County #2  
St Genevieve  
Troy

*IOWA*

Maquoketa  
Tipton

**REPORT OF OPERATIONS**

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

**Month of July 2011**

Submitted by Alliance Water Resources, Inc. for the

August 2011

Joint Sewer Board Meeting

## **SUMMARY OF FACILITY OPERATION**

The Lake Ozark/Osage Beach joint WWTP produced superior effluent quality throughout the month and was in full compliance with effluent limitations established in NPDES Permit No. MO-01013241. No leaks, no spills, and no unauthorized releases have occurred 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**

|                 | <u>BOD</u><br><u>mg/l</u> | <u>TSS</u><br><u>mg/l</u> | <u>pH</u> | <u>Fecal Coliform</u><br><u>Colonies/100 ml</u> |
|-----------------|---------------------------|---------------------------|-----------|-------------------------------------------------|
| Monthly Average | 1.2                       | 0.3                       | NA        | < 20                                            |
| Peak Day        | 1.4                       | 0.6                       | 8.4       | < 20                                            |
| Percent Removal | 99.6                      | 99.9                      | NA        | NA                                              |

### **NPDES EFFLUENT LIMITATIONS**

|                 | <u>BOD</u><br><u>mg/l</u> | <u>TSS</u><br><u>mg/l</u> | <u>pH</u> | <u>Fecal Coliform</u><br><u>Colonies/100 ml</u> |
|-----------------|---------------------------|---------------------------|-----------|-------------------------------------------------|
| Monthly Average | 30                        | 30                        | 6-9       | 400 col/100 ml                                  |
| Weekly Average  | 45                        | 45                        |           |                                                 |

### **PLANT HYDRAULIC AND ORGANIC LOADING**

The average daily influent flow for the month was 1.826 MGD or 61% 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 131825 pounds of BOD.

### **BIOSOLIDS APPLICATION AND INVENTORY**

Plant personnel land applied 138 tanker loads of bio-solids during the month equivalent to a total of 510,600 gallons and 150,712 pounds dry weight solids.

367,301 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 205,000 gallons with a level of 4.0 feet in Tank 1 and 0.0 feet in Tank 2.

## **WASTEHAULERS**

The plant received 51 loads of septage during the month totaling 127,500 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 had to swap out the old original AC unit in the UV room with the newer Sears unit on the 11<sup>th</sup>. We took the old unit to Control Heating & Cooling to see if it was just low on Freon, but have not heard anything back yet.
- We had 2 UV bulbs go out on the 18<sup>th</sup> and troubleshot them to make sure they were bad bulbs and changed them out on the 20<sup>th</sup>.

## **SAFETY**

- We conducted our monthly routine Safety Meeting on Lockout / Tagout on the 12<sup>th</sup> of July.

## **REGULATORY AGENCY, INSPECTION AND REPORTS**

- Mailed DMR to MDNR on the 5<sup>th</sup> of August.
- We received our Annual DMRQA-31 study Performance Evaluation report on the 25<sup>th</sup> and we passed in all parameters. (see attachment) Emailed a signed copy to EPA on the 26<sup>th</sup>.

## **MISCELLANEOUS AND RECOMMENDATIONS**

**TABLE A**  
**LAKE OZARK/OSAGE BEACH WWTP**

MONTH OF     July     2011

| DATE                                    |                     | FLOW         |              |              |             |             | BOD 5 MG/L |            |              | TSS MG/L   |            |              |
|-----------------------------------------|---------------------|--------------|--------------|--------------|-------------|-------------|------------|------------|--------------|------------|------------|--------------|
|                                         | RAIN<br>FALL<br>IN. | LO<br>mgd    | OB<br>mgd    | COMB<br>mgd  | % LO        | % OB        | LO<br>mg/l | OB<br>mg/l | COMB<br>mg/l | LO<br>mg/l | OB<br>mg/l | COMB<br>mg/l |
| 1-Jul                                   |                     | 0.253        | 1.377        | 1.630        | 15.5        | 84.5        | 288        | 242        | 348          | 210        | 192        | 366          |
| 2-Jul                                   |                     | <b>0.318</b> | <b>1.671</b> | <b>1.989</b> | <b>16.0</b> | <b>84.0</b> |            |            |              |            |            |              |
| 3-Jul                                   |                     | <b>0.407</b> | <b>1.964</b> | <b>2.371</b> | <b>17.2</b> | <b>82.8</b> |            |            |              |            |            |              |
| 4-Jul                                   |                     | 0.429        | 2.035        | 2.464        | 17.4        | 82.6        |            |            |              |            |            |              |
| 5-Jul                                   |                     | 0.369        | 1.834        | 2.203        | 16.7        | 83.3        |            |            |              |            |            |              |
| 6-Jul                                   |                     | 0.304        | 1.546        | 1.850        | 16.4        | 83.6        |            |            |              |            |            |              |
| 7-Jul                                   |                     | 0.273        | 1.318        | 1.591        | 17.2        | 82.8        |            |            |              |            |            |              |
| 8-Jul                                   |                     | 0.286        | 1.444        | 1.730        | 16.5        | 83.5        | 238        | 244        | 278          | 152        | 202        | 232          |
| 9-Jul                                   |                     | <b>0.298</b> | <b>1.501</b> | <b>1.799</b> | <b>16.6</b> | <b>83.4</b> |            |            |              |            |            |              |
| 10-Jul                                  |                     | <b>0.336</b> | <b>1.641</b> | <b>1.977</b> | <b>17.0</b> | <b>83.0</b> |            |            |              |            |            |              |
| 11-Jul                                  |                     | 0.304        | 1.493        | 1.797        | 16.9        | 83.1        |            |            |              |            |            |              |
| 12-Jul                                  |                     | 0.261        | 1.396        | 1.657        | 15.8        | 84.2        |            |            |              |            |            |              |
| 13-Jul                                  | 0.3                 | 0.281        | 1.445        | 1.726        | 16.3        | 83.7        |            |            |              |            |            |              |
| 14-Jul                                  |                     | 0.271        | 1.477        | 1.748        | 15.5        | 84.5        |            |            |              |            |            |              |
| 15-Jul                                  |                     | 0.306        | 1.519        | 1.825        | 16.8        | 83.2        | 238        | 250        | 262          | 166        | 206        | 234          |
| 16-Jul                                  |                     | <b>0.308</b> | <b>1.712</b> | <b>2.020</b> | <b>15.2</b> | <b>84.8</b> |            |            |              |            |            |              |
| 17-Jul                                  |                     | <b>0.348</b> | <b>1.807</b> | <b>2.155</b> | <b>16.1</b> | <b>83.9</b> |            |            |              |            |            |              |
| 18-Jul                                  |                     | 0.297        | 1.577        | 1.874        | 15.8        | 84.2        |            |            |              |            |            |              |
| 19-Jul                                  |                     | 0.241        | 1.455        | 1.696        | 14.2        | 85.8        |            |            |              |            |            |              |
| 20-Jul                                  |                     | 0.231        | 1.429        | 1.660        | 13.9        | 86.1        |            |            |              |            |            |              |
| 21-Jul                                  |                     | 0.253        | 1.072        | 1.325        | 19.1        | 80.9        |            |            |              |            |            |              |
| 22-Jul                                  |                     | 0.263        | 0.310        | 0.573        | 45.9        | 54.1        | 206        | 340        | 274          | 166        | 194        | 158          |
| 23-Jul                                  |                     | <b>0.309</b> | <b>1.243</b> | <b>1.552</b> | <b>19.9</b> | <b>80.1</b> |            |            |              |            |            |              |
| 24-Jul                                  |                     | <b>0.354</b> | <b>1.979</b> | <b>2.333</b> | <b>15.2</b> | <b>84.8</b> |            |            |              |            |            |              |
| 25-Jul                                  |                     | 0.310        | 1.592        | 1.902        | 16.3        | 83.7        |            |            |              |            |            |              |
| 26-Jul                                  |                     | 0.256        | 1.628        | 1.884        | 13.6        | 86.4        |            |            |              |            |            |              |
| 27-Jul                                  |                     | 0.251        | 1.528        | 1.779        | 14.1        | 85.9        |            |            |              |            |            |              |
| 28-Jul                                  |                     | 0.248        | 1.415        | 1.663        | 14.9        | 85.1        |            |            |              |            |            |              |
| 29-Jul                                  |                     | 0.270        | 1.488        | 1.758        | 15.4        | 84.6        | 264        | 224        | 234          | 244        | 172        | 192          |
| 30-Jul                                  |                     | <b>0.308</b> | <b>1.656</b> | <b>1.964</b> | <b>15.7</b> | <b>84.3</b> |            |            |              |            |            |              |
| 31-Jul                                  |                     | <b>0.354</b> | <b>1.764</b> | <b>2.118</b> | <b>16.7</b> | <b>83.3</b> |            |            |              |            |            |              |
| SUM                                     | 0.3                 | 9.297        | 47.316       | 56.613       |             |             |            |            |              |            |            |              |
| AVG                                     |                     | 0.300        | 1.526        | 1.826        | 16          | 84          | 247        | 260        | 279          | 188        | 193        | 236          |
| NOTE: BOLD PRINT INDICATES WEEKEND DAYS |                     |              |              |              |             |             |            |            |              |            |            |              |

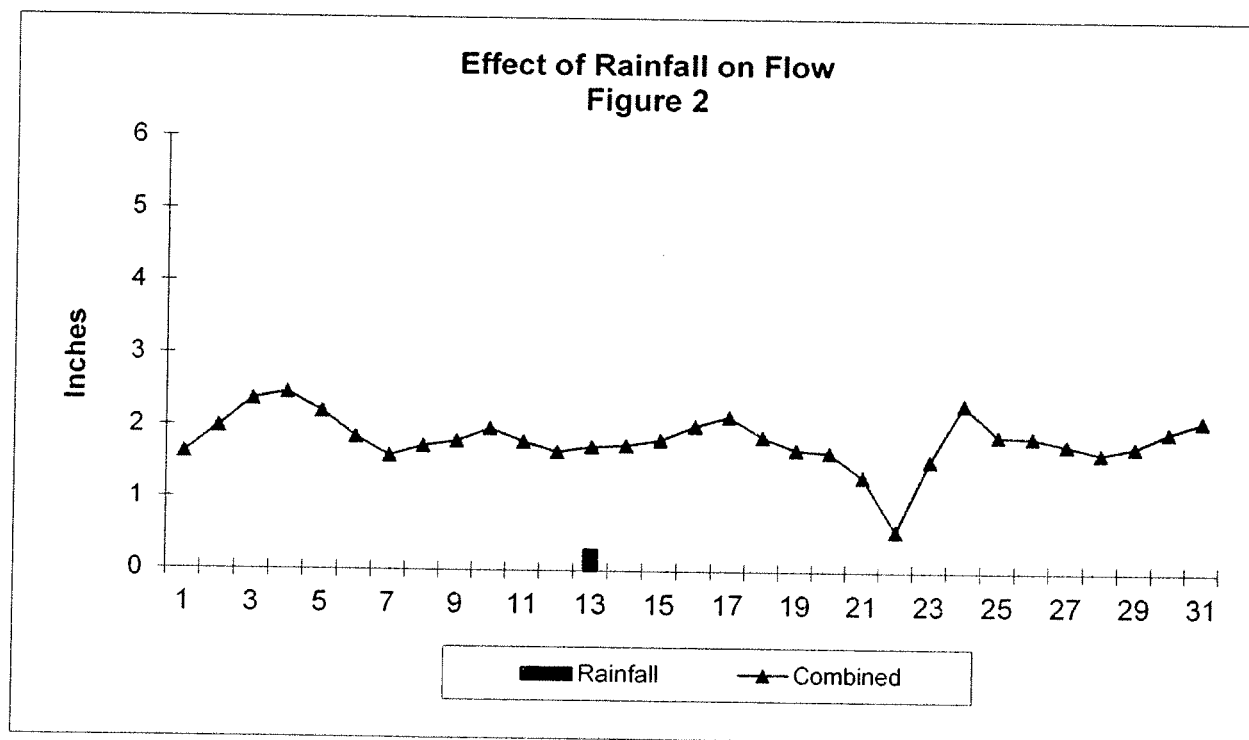
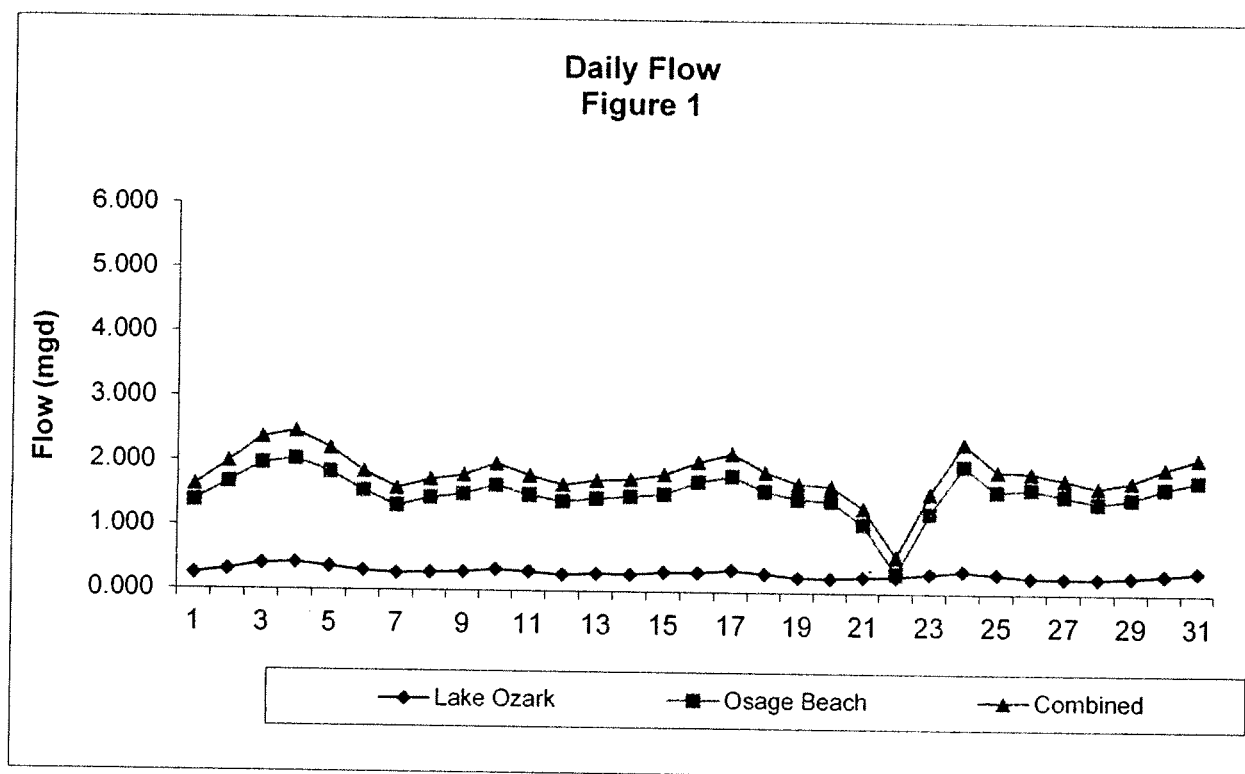


TABLE B  
JOINT SEWER BOARD  
Monthly Flows

| <u>2009</u> | <u>RAINFALL</u> | <u>OSAGE BEACH</u> |     | <u>LAKE OZARK</u> |     | <u>TOTAL</u> | <u>%</u> |
|-------------|-----------------|--------------------|-----|-------------------|-----|--------------|----------|
| January     | 0.8             | 27,603,000         | 86% | 4,633,000         | 14% | 32,236,000   | 100%     |
| February    | 3               | 28,264,000         | 87% | 4,216,000         | 13% | 32,480,000   | 100%     |
| March       | 4.5             | 34,287,000         | 86% | 5,701,000         | 14% | 39,988,000   | 100%     |
| April       | 4.6             | 33,832,000         | 85% | 6,093,000         | 15% | 39,925,000   | 100%     |
| May         | 11              | 44,780,000         | 84% | 8,533,000         | 16% | 53,313,000   | 100%     |
| June        | 10              | 49,564,000         | 84% | 9,253,000         | 16% | 58,817,000   | 100%     |
| July        | 4.1             | 51,683,000         | 85% | 9,198,000         | 15% | 60,881,000   | 100%     |
| August      | 3.7             | 49,673,000         | 86% | 8,413,000         | 14% | 58,086,000   | 100%     |
| September   | 5.2             | 38,768,000         | 82% | 8,243,000         | 18% | 47,011,000   | 100%     |
| October     | 11.8            | 39,271,000         | 82% | 8,484,000         | 18% | 47,755,000   | 100%     |
| November    | 4.8             | 29,057,000         | 81% | 6,697,000         | 19% | 35,754,000   | 100%     |
| December    | 3.5             | 21,993,000         | 79% | 5,887,000         | 21% | 27,880,000   | 100%     |
|             | 67.0            | 448,775,000        | 84% | 79,464,000        | 16% | 534,126,000  | 100%     |

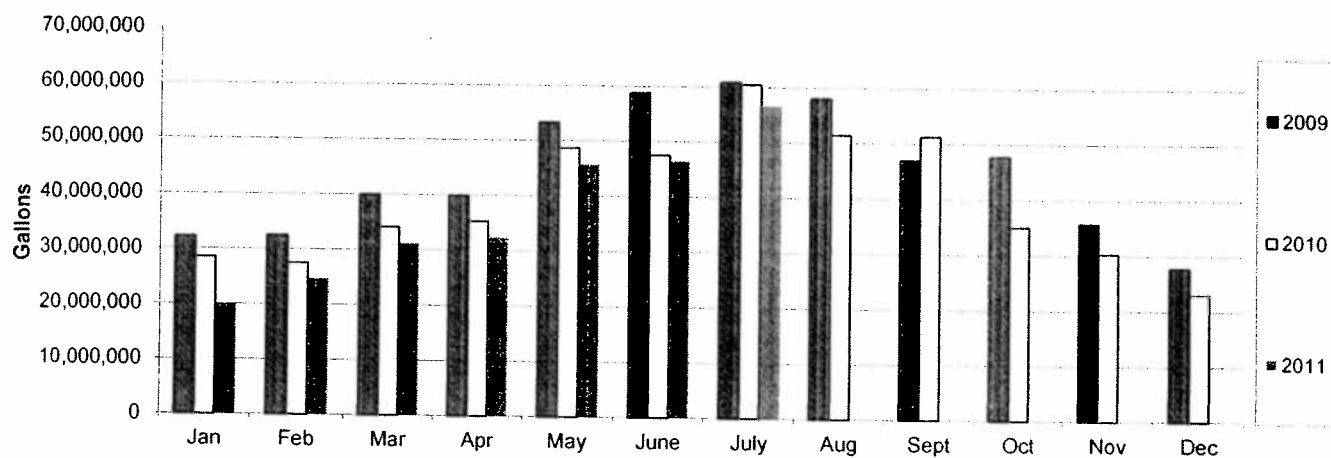
| <u>2010</u> | <u>RAINFALL</u> | <u>OSAGE BEACH</u> |     | <u>LAKE OZARK</u> |     | <u>TOTAL</u> | <u>%</u> |
|-------------|-----------------|--------------------|-----|-------------------|-----|--------------|----------|
| January     | 3.6             | 22,407,000         | 78% | 6,144,000         | 22% | 28,551,000   | 100%     |
| February    | 2.8             | 21,783,000         | 79% | 5,753,000         | 21% | 27,536,000   | 100%     |
| March       | 3.8             | 27,636,000         | 81% | 6,500,000         | 19% | 34,136,000   | 100%     |
| April       | 3.6             | 28,951,000         | 82% | 6,386,000         | 18% | 35,337,000   | 100%     |
| May         | 10.2            | 39,970,000         | 82% | 8,765,000         | 18% | 48,735,000   | 100%     |
| June        | 4.4             | 39,496,000         | 83% | 8,067,000         | 17% | 47,563,000   | 100%     |
| July        | 6.2             | 50,636,000         | 84% | 9,837,000         | 16% | 60,473,000   | 100%     |
| August      | 2.7             | 42,922,000         | 83% | 8,532,000         | 17% | 51,454,000   | 100%     |
| September   | 13.2            | 42,731,000         | 83% | 8,532,000         | 17% | 51,263,000   | 100%     |
| October     | 0.4             | 28,896,000         | 82% | 6,177,000         | 18% | 35,073,000   | 100%     |
| November    | 4.8             | 25,040,000         | 82% | 5,315,000         | 18% | 30,355,000   | 100%     |
| December    | 0.4             | 18,634,000         | 81% | 4,426,000         | 19% | 23,060,000   | 100%     |
|             | 55.9            | 389,102,000        | 82% | 80,008,000        | 18% | 473,536,000  | 100%     |

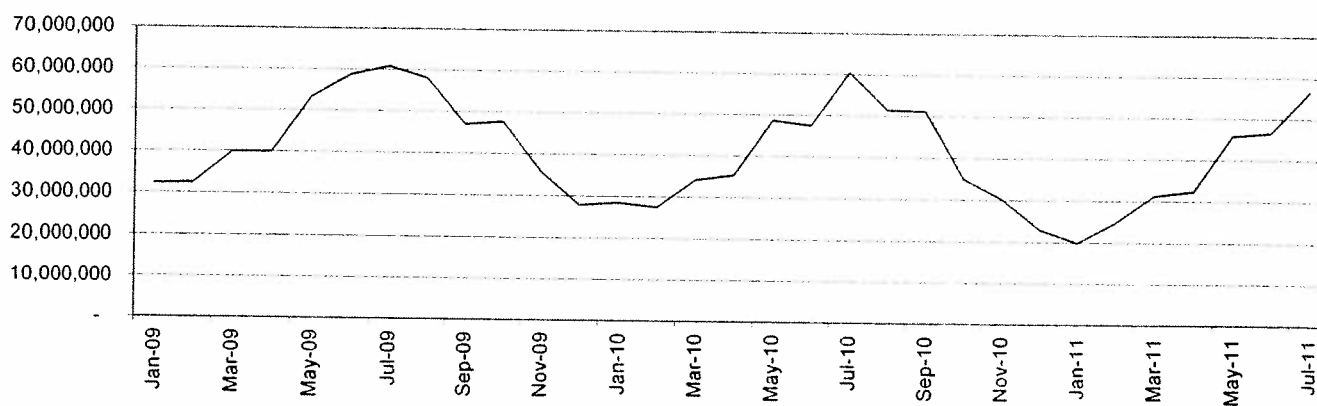
| <u>2011</u> | <u>RAINFALL</u> | <u>OSAGE BEACH</u> |     | <u>LAKE OZARK</u> |     | <u>TOTAL</u> | <u>%</u> |
|-------------|-----------------|--------------------|-----|-------------------|-----|--------------|----------|
| January     | 0.8             | 15,566,000         | 78% | 4,395,000         | 22% | 19,961,000   | 100%     |
| February    | 4.8             | 19,737,000         | 80% | 5,030,000         | 20% | 24,767,000   | 100%     |
| March       | 4.7             | 25,055,000         | 80% | 6,183,000         | 20% | 31,238,000   | 100%     |
| April       | 4.8             | 26,299,000         | 81% | 6,158,000         | 19% | 32,457,000   | 100%     |
| May         | 11.8            | 37,286,000         | 81% | 8,523,000         | 19% | 45,809,000   | 100%     |
| June        | 4.4             | 38,748,000         | 83% | 7,821,000         | 17% | 46,569,000   | 100%     |
| July        | 0.3             | 47,316,000         | 84% | 9,297,000         | 16% | 56,613,000   | 100%     |
| August      |                 |                    |     |                   |     |              |          |
| September   |                 |                    |     |                   |     |              |          |
| October     |                 |                    |     |                   |     |              |          |
| November    |                 |                    |     |                   |     |              |          |
| December    |                 |                    |     |                   |     |              |          |
|             | 31.6            | 210,007,000        | 81% | 47,407,000        | 19% | 257,414,000  | 100%     |



Monthly Influent Flow  
Figure 3A

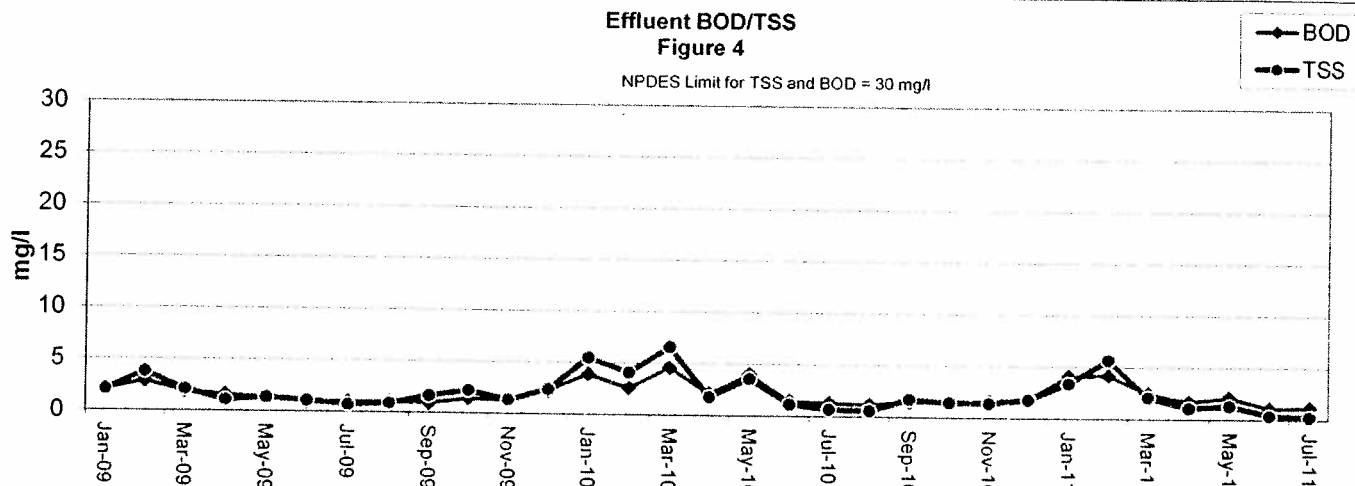


Monthly Influent Flow  
Figure 3B

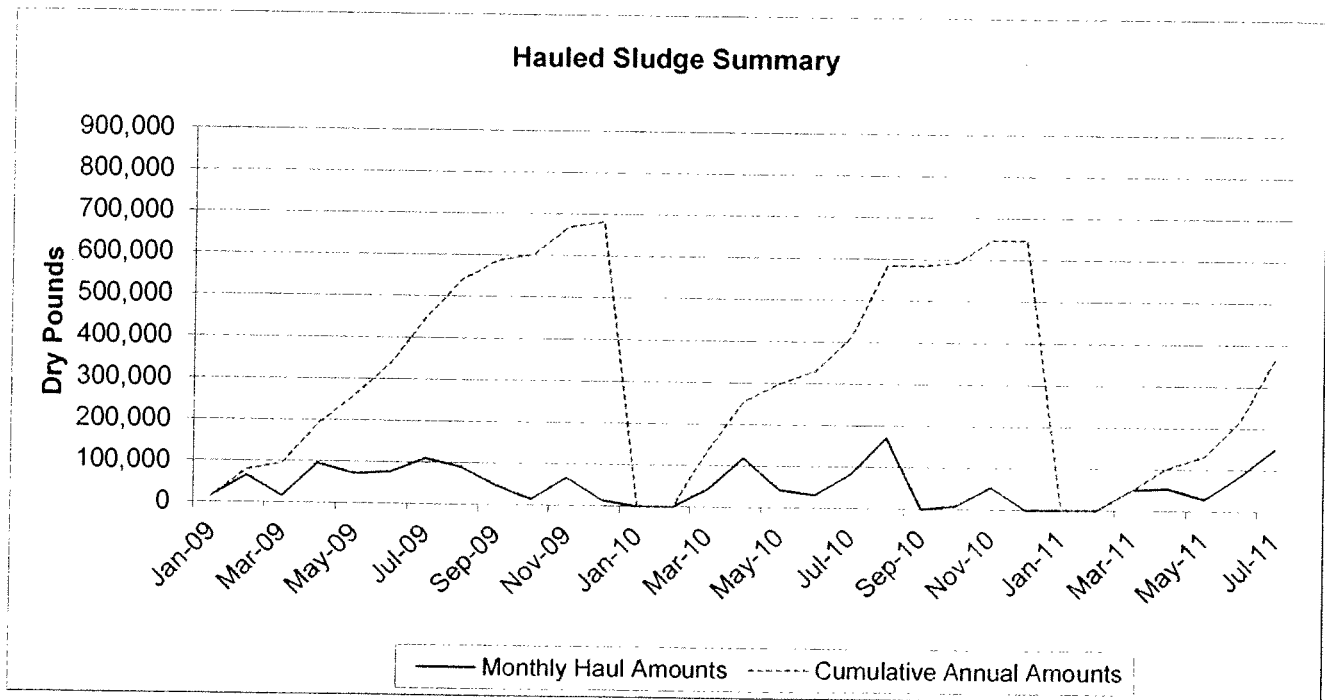
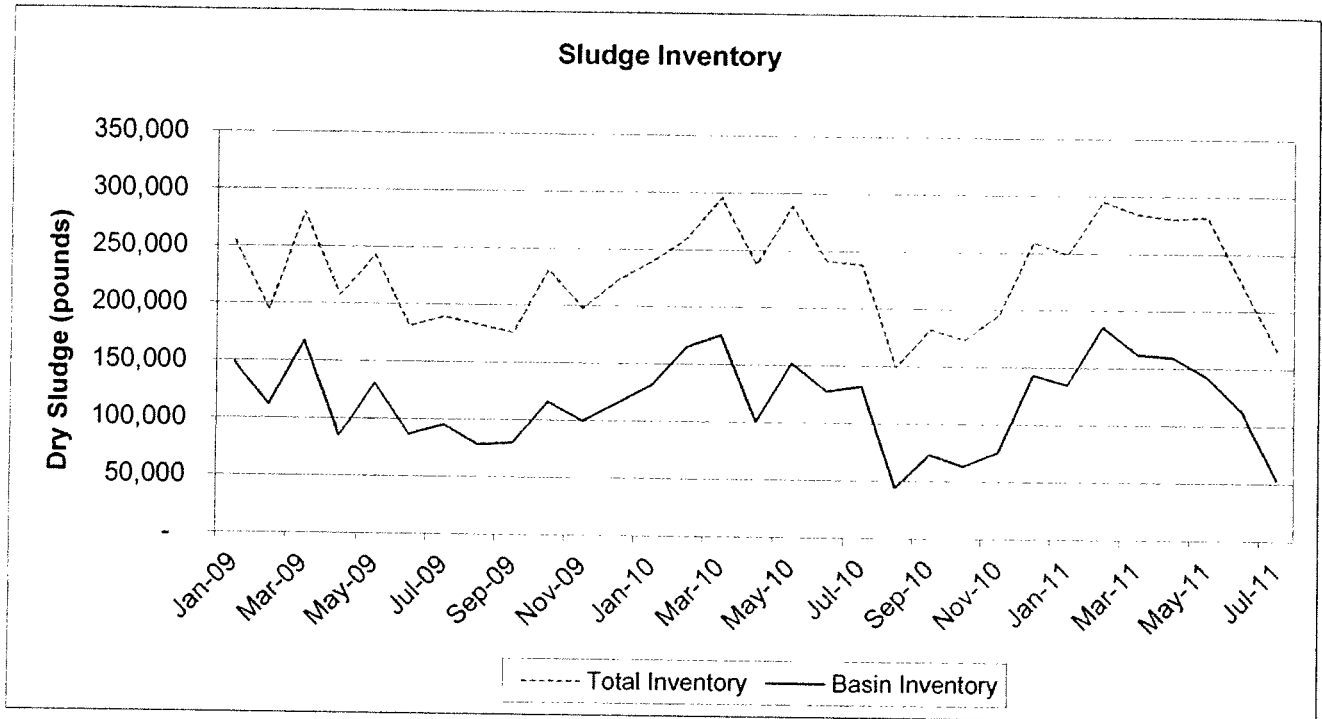


Effluent BOD/TSS  
Figure 4

NPDES Limit for TSS and BOD = 30 mg/l

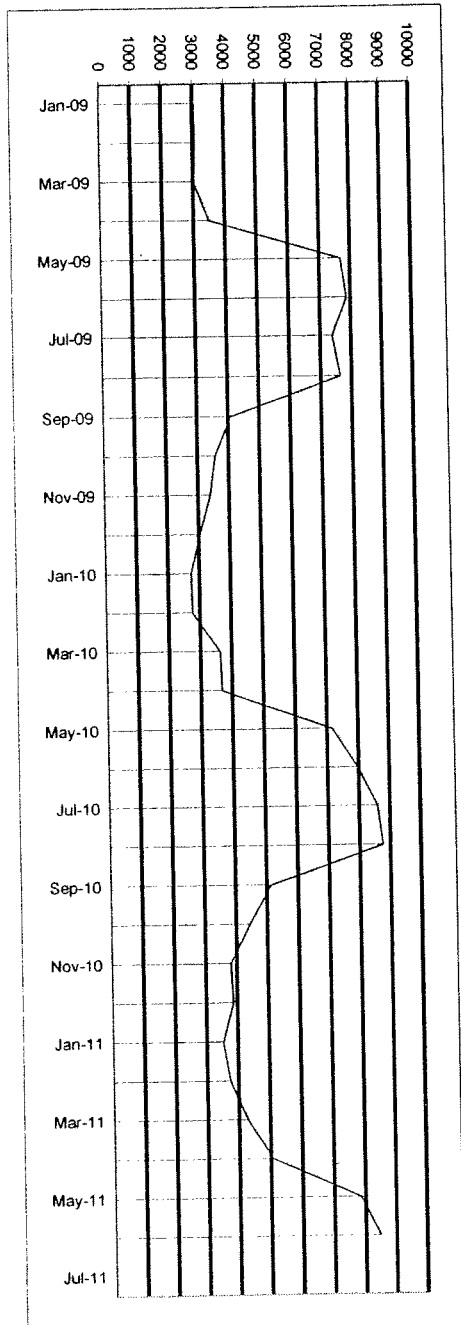


|        | Loads | Gallons | Hauled Sludge |          |                         | Basin Depths |         |       |               | Blanket and M.S.S. Inventory |          |          |          | Total Dry |              |              |                              |          |                  |         |
|--------|-------|---------|---------------|----------|-------------------------|--------------|---------|-------|---------------|------------------------------|----------|----------|----------|-----------|--------------|--------------|------------------------------|----------|------------------|---------|
|        |       |         | # Dry         | % Solids | Annual Cumulative # Dry | Tank #1      | Tank #2 | AB #1 | Basin Gallons | # Dry                        | Chart #1 | Chart #2 | Chart #3 |           | M.S.S. AB #1 | M.S.S. AB #2 | Blanket and M.S.S. Inventory | % Solids | Sludge Inventory |         |
| Jan-09 | 12    | 44,400  | 14,627        | 4.0%     | 14,627                  | 6.0          | 4.0     | 0.0   | 450,000       | 148,247                      | 0.0      | 0.0      | 0.0      | 3,220     | 3,860        | 3,617,762    | 106,809                      | 0.00334  | 255,056          |         |
| Feb-09 | 53    | 196,100 | 65,018        | 4.0%     | 79,645                  | 5.0          | 2.5     | 0.0   | 337,500       | 111,900                      | 0.0      | 0.0      | 0.5      | 0.0       | 1,840        | 3,640        | 3,608,881                    | 82,489   | 0.00274          | 194,367 |
| Mar-09 | 12    | 44,400  | 15,738        | 4.3%     | 95,383                  | 5.5          | 5.0     | 0.0   | 472,500       | 167,482                      | 0.0      | 0.0      | 0.0      | 0.5       | 1,330        | 4,110        | 3,657,238                    | 112,855  | 0.0037           | 280,337 |
| Apr-09 | 82    | 303,400 | 96,032        | 3.8%     | 191,415                 | 5.0          | 1.0     | 0.0   | 270,000       | 85,460                       | 3.0      | 0.0      | 1.0      | 0.0       | 4,260        | 3,360        | 3,696,714                    | 122,089  | 0.00396          | 207,549 |
| May-09 | 53    | 196,100 | 71,251        | 4.4%     | 262,666                 | 5.5          | 2.5     | 0.0   | 360,000       | 130,802                      | 1.0      | 1.0      | 1.0      | 1.0       | 3,380        | 3,350        | 3,678,952                    | 111,991  | 0.00365          | 242,793 |
| Jun-09 | 70    | 259,000 | 76,875        | 3.6%     | 339,541                 | 4.5          | 2.0     | 0.0   | 292,500       | 86,818                       | 0.5      | 0.0      | 2.5      | 1.0       | 3,180        | 2,990        | 3,735,213                    | 94,545   | 0.00304          | 181,364 |
| Jul-09 | 70    | 259,011 | 110,008       | 5.1%     | 449,549                 | 5.0          | 0.0     | 0.0   | 225,000       | 95,563                       | 1.0      | 1.0      | 4.0      | 1.0       | 3,040        | 2,910        | 3,791,474                    | 94,072   | 0.00298          | 189,635 |
| Aug-09 | 84    | 310,800 | 90,568        | 3.5%     | 540,117                 | 4.5          | 1.5     | 0.0   | 270,000       | 78,679                       | 1.0      | 1.0      | 1.0      | 1.0       | 2,910        | 2,920        | 3,678,952                    | 104,320  | 0.0034           | 182,999 |
| Sep-09 | 43    | 159,100 | 47,213        | 3.6%     | 587,330                 | 6.0          | 0.0     | 0.0   | 270,000       | 80,123                       | 0.5      | 0.0      | 0.5      | 0.0       | 3,750        | 2,820        | 3,617,762                    | 96,098   | 0.00319          | 176,221 |
| Oct-09 | 13    | 48,100  | 14,626        | 3.6%     | 601,956                 | 6.5          | 2.0     | 0.0   | 382,500       | 116,309                      | 2.0      | 1.0      | 1.0      | 1.0       | 2,640        | 3,320        | 3,635,524                    | 115,217  | 0.0038           | 231,526 |
| Nov-09 | 57    | 210,900 | 66,838        | 3.8%     | 668,794                 | 6.0          | 1.0     | 0.0   | 315,000       | 99,829                       | 2.0      | 2.0      | 1.0      | 0.0       | 3,640        | 3,820        | 3,653,286                    | 98,413   | 0.00323          | 227,774 |
| Dec-09 | 10    | 37,000  | 13,577        | 4.4%     | 682,371                 | 5.0          | 2.0     | 0.0   | 315,000       | 132,106                      | 1.0      | 1.0      | 1.0      | 0.0       | 3,320        | 3,600        | 3,714,476                    | 107,186  | 0.00346          | 239,743 |
| Jan-10 | 0     | -       | 0             | 4.4%     | -                       | 5.0          | 3.0     | 0.0   | 360,000       | 165,132                      | 2.0      | 1.0      | 1.0      | 0.0       | 3,310        | 2,910        | 3,653,286                    | 94,757   | 0.00311          | 259,889 |
| Feb-10 | 0     | -       | 0             | 4.4%     | -                       | 5.0          | 5.0     | 0.0   | 450,000       | 175,858                      | 1.0      | 1.0      | 0.0      | 1.5       | 4,440        | 4,380        | 3,731,261                    | 137,324  | 0.00441          | 296,109 |
| Mar-10 | 37    | 136,900 | 42,800        | 3.7%     | 136,900                 | 7.0          | 5.5     | 0.0   | 562,500       | 100,584                      | 1.0      | 1.0      | 2.0      | 2.0       | 3,940        | 4,800        | 3,682,904                    | 120,251  | 0.00392          | 237,818 |
| Apr-10 | 101   | 373,700 | 119,328       | 3.8%     | 256,228                 | 6.0          | 1.0     | 0.0   | 315,000       | 151,987                      | 1.5      | 1.5      | 4.5      | 1.5       | 3,930        | 4,750        | 3,793,428                    | 137,305  | 0.00434          | 289,302 |
| May-10 | 31    | 114,700 | 43,047        | 4.5%     | 299,275                 | 6.0          | 3.0     | 0.0   | 405,000       | 127,727                      | 1.0      | 1.0      | 1.0      | 1.0       | 3,650        | 3,770        | 3,678,952                    | 106,332  | 0.00371          | 241,559 |
| Jun-10 | 30    | 111,000 | 31,506        | 3.4%     | 330,781                 | 7.0          | 3.0     | 0.0   | 405,000       | 132,327                      | 1.0      | 1.0      | 2.0      | 1.0       | 3,650        | 3,320        | 3,696,714                    | 106,366  | 0.00345          | 238,692 |
| Jul-10 | 69    | 251,600 | 82,206        | 3.9%     | 412,987                 | 8.0          | 1.0     | 0.0   | 450,000       | 144,389                      | 2.5      | 1.5      | 1.0      | 1.0       | 3,520        | 3,520        | 3,714,476                    | 104,708  | 0.00338          | 149,097 |
| Aug-10 | 141   | 521,700 | 171,540       | 3.9%     | 584,527                 | 3.0          | 0.0     | 0.0   | 135,000       | 44,389                       | 2.0      | 2.0      | 2.0      | 2.0       | 3,300        | 3,750        | 3,714,476                    | 109,045  | 0.00352          | 182,229 |
| Sep-10 | 0     | -       | 0             | 3.9%     | 584,527                 | 2.5          | 2.5     | 0.0   | 225,000       | 73,184                       | 1.0      | 1.0      | 1.0      | 1.0       | 3,300        | 3,690        | 3,704,618                    | 110,301  | 0.00357          | 173,603 |
| Oct-10 | 9     | 33,300  | 8,517         | 3.1%     | 593,044                 | 4.0          | 1.5     | 0.0   | 247,500       | 63,302                       | 1.0      | 0.0      | 2.0      | 2.0       | 4,050        | 3,640        | 3,736,190                    | 116,654  | 0.00384          | 195,565 |
| Nov-10 | 39    | 144,300 | 54,094        | 4.5%     | 647,138                 | 4.5          | 0.0     | 0.0   | 202,500       | 75,912                       | 1.5      | 1.5      | 2.5      | 1.5       | 4,700        | 3,890        | 3,671,048                    | 116,037  | 0.00379          | 259,589 |
| Dec-10 | 0     | -       | 0             | 4.5%     | 647,138                 | 4.5          | 4.0     | 0.0   | 392,500       | 135,108                      | 2.0      | 2.0      | 0.0      | 0.0       | 3,520        | 3,930        | 3,653,286                    | 113,495  | 0.00373          | 248,603 |
| Jan-11 | 0     | -       | 0             | 4.5%     | -                       | 5.5          | 2.5     | 0.0   | 495,000       | 185,774                      | 1.0      | 1.0      | 2.0      | 0.0       | 3,580        | 3,580        | 3,679,928                    | 109,872  | 0.00388          | 295,646 |
| Feb-11 | 0     | -       | 0             | 4.5%     | -                       | 6.0          | 5.0     | 0.0   | 517,500       | 161,993                      | 1.0      | 1.0      | 1.0      | 0.5       | 4,100        | 3,940        | 3,657,238                    | 122,615  | 0.00402          | 284,608 |
| Mar-11 | 43    | 159,100 | 49,803        | 3.9%     | 103,495                 | 7.5          | 4.0     | 0.0   | 495,000       | 159,625                      | 2.0      | 2.0      | 3.0      | 2.0       | 4,100        | 4,540        | 3,775,666                    | 120,761  | 0.00384          | 280,385 |
| Apr-11 | 45    | 166,500 | 53,692        | 3.9%     | 131,546                 | 7.0          | 4.0     | 0.0   | 495,000       | 142,150                      | 2.0      | 2.0      | 2.0      | 2.5       | 4,960        | 3,920        | 3,779,618                    | 111,156  | 0.00444          | 282,108 |
| May-11 | 24    | 88,800  | 28,051        | 3.5%     | 216,589                 | 3.5          | 5.0     | 0.0   | 382,500       | 112,713                      | 3.0      | 2.0      | 2.0      | 2.0       | 3,500        | 3,560        | 3,775,666                    | 111,156  | 0.00353          | 223,869 |
| Jun-11 | 78    | 288,800 | 85,043        | 3.5%     | 367,301                 | 4.0          | 0.0     | 0.0   | 180,000       | 53,130                       | 1.5      | 1.5      | 1.0      | 1.0       | 3,740        | 3,550        | 3,714,476                    | 112,917  | 0.00365          | 166,047 |
| Jul-11 | 138   | 510,600 | 150,712       | 3.5%     | 367,301                 | 4.0          | 0.0     | 0.0   | 180,000       | 53,130                       | 1.5      | 1.5      | 1.0      | 1.0       | 3,740        | 3,550        | 3,714,476                    | 112,917  | 0.00365          | 166,047 |

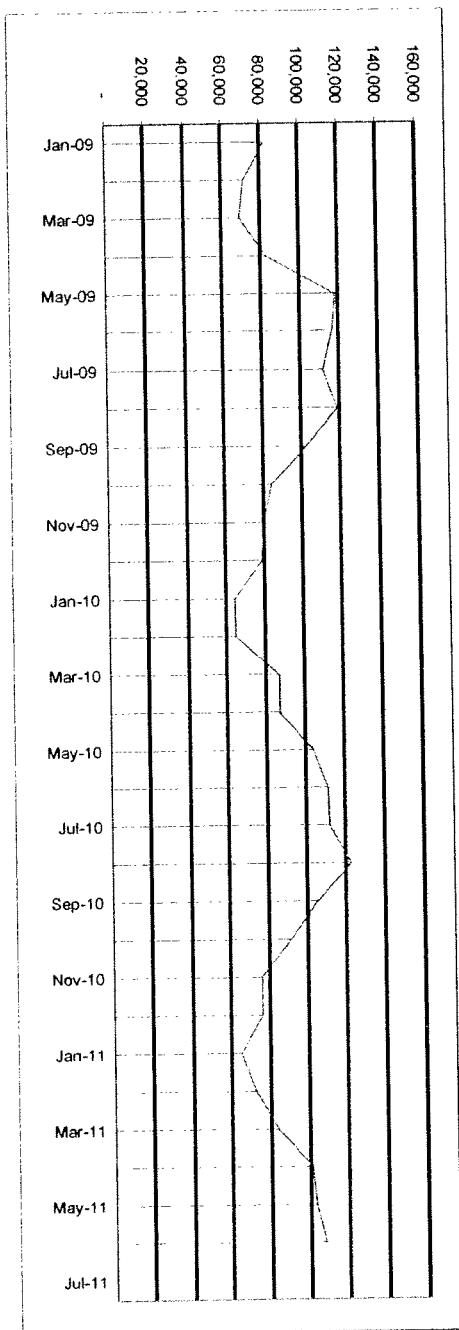


| Month  | Electric Cost | Kilowatts Used |
|--------|---------------|----------------|
| Jan-09 | 3068          | 82,567         |
| Feb-09 | 3090          | 71,761         |
| Mar-09 | 3040          | 69,590         |
| Apr-09 | 3502          | 83,325         |
| May-09 | 7699          | 118,303        |
| Jun-09 | 7873          | 116,962        |
| Jul-09 | 7400          | 111,912        |
| Aug-09 | 7651          | 119,019        |
| Sep-09 | 4089          | 102,892        |
| Oct-09 | 3582          | 84,384         |
| Nov-09 | 3399          | 80,485         |
| Dec-09 | 3061          | 78,719         |
| Jan-10 | 2747          | 64,648         |
| Feb-10 | 2771          | 64,964         |
| Mar-10 | 3640          | 87,123         |
| Apr-10 | 3679          | 87,091         |
| May-10 | 7182          | 104,323        |
| Jun-10 | 7977          | 111,383        |
| Jul-10 | 8613          | 112,010        |
| Aug-10 | 8770          | 122,995        |
| Sep-10 | 5151          | 105,347        |
| Oct-10 | 4454          | 91,462         |
| Nov-10 | 3815          | 76,006         |
| Dec-10 | 3880          | 76,007         |
| Jan-11 | 3547          | 65,206         |
| Feb-11 | 3757          | 72,752         |
| Mar-11 | 4309          | 84,045         |
| Apr-11 | 5092          | 101,440        |
| May-11 | 7876          | 103,396        |
| Jun-11 | 8505          | 108,021        |

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                                  |             |                         |            |                               |            |               |             |
| Jul-11                              |             | MO-0103241    |             |            | #001                    |             | Oxidation Ditch/UV/Sludge Holding-sludge is land applied |             |                         |            |                               |            |               |             |
| INFLUENT                            |             |               |             |            | EFFLUENT                |             |                                                          |             |                         |            |                               |            | % Removal     |             |
| DATE                                | pH<br>UNITS | BOD<br>mg/L   | TSS<br>mg/L | TEMP<br>°C | FLOW<br>MGD             | pH<br>UNITS | BOD<br>mg/L                                              | TSS<br>mg/L | Ammonia<br>as N<br>mg/l | DO<br>mg/L | E. coli<br>COLFRM<br>#/100 ML | TEMP<br>°C | BOD<br>mg/L   | TSS<br>mg/L |
| 1                                   | 7.3         | 348           | 366         | 22.6       | 1.857                   | 8.0         | 1.1                                                      | 0.2         |                         | 4.6        |                               | 24.5       | 99.7          | 99.9        |
| 2                                   | 7.4         |               |             | 22.6       | 2.098                   | 8.0         |                                                          |             |                         | 4.9        |                               | 24.4       |               |             |
| 3                                   | 7.4         |               |             | 24.4       | 2.587                   | 7.9         |                                                          |             |                         | 4.4        |                               | 24.4       |               |             |
| 4                                   | 7.3         |               |             | 24         | 2.744                   | 7.9         |                                                          |             |                         | 4.1        |                               | 24.9       |               |             |
| 5                                   | 7.3         |               |             | 24.4       | 2.420                   | 8.0         |                                                          |             |                         | 4.0        | < 20                          | 25.1       |               |             |
| 6                                   | 7.2         |               |             | 24.5       | 1.908                   | 7.9         |                                                          |             |                         | 4.1        |                               | 25.4       |               |             |
| 7                                   | 7.3         |               |             | 23.5       | 2.047                   | 7.9         |                                                          |             |                         | 3.6        |                               | 24.9       |               |             |
| 8                                   | 7.3         | 278           | 232         | 23.1       | 1.962                   | 8.0         | 1.4                                                      | 0.4         | 0.17                    | 4.2        |                               | 24.4       | 99.5          | 99.8        |
| 9                                   | 7.3         |               |             | 23.6       | 1.894                   | 8.0         |                                                          |             |                         | 5.2        |                               | 24.8       |               |             |
| 10                                  | 7.3         |               |             | 23.8       | 2.158                   | 8.0         |                                                          |             |                         | 5.2        |                               | 24.9       |               |             |
| 11                                  | 7.2         |               |             | 24.6       | 1.964                   | 8.0         |                                                          |             |                         | 4.4        | < 20                          | 25.3       |               |             |
| 12                                  | 7.3         |               |             | 24.4       | 1.872                   | 8.0         |                                                          |             |                         | 4.8        |                               | 25.8       |               |             |
| 13                                  | 7.5         |               |             | 23.2       | 1.840                   | 7.9         |                                                          |             |                         | 4.9        |                               | 24.8       |               |             |
| 14                                  | 7.4         |               |             | 24.3       | 1.948                   | 7.9         |                                                          |             | 0.05                    | 4.9        |                               | 25         |               |             |
| 15                                  | 7.4         | 262           | 234         | 24.9       | 2.100                   | 7.9         | 1.0                                                      | 0.2         |                         | 4.6        |                               | 25.5       | 99.6          | 99.9        |
| 16                                  | 7.4         |               |             | 23.8       | 2.070                   | 7.9         |                                                          |             |                         | 5.0        |                               | 23.8       |               |             |
| 17                                  | 7.5         |               |             | 24.5       | 2.320                   | 8.0         |                                                          |             |                         | 4.8        |                               | 25.3       |               |             |
| 18                                  | 7.3         |               |             | 25.1       | 2.028                   | 8.0         |                                                          |             |                         | 5.1        | < 20                          | 26.1       |               |             |
| 19                                  | 7.3         |               |             | 24.8       | 1.892                   | 8.0         |                                                          |             |                         | 4.7        |                               | 25.9       |               |             |
| 20                                  | 7.3         |               |             | 25         | 1.752                   | 8.0         |                                                          |             |                         | 4.4        |                               | 26.1       |               |             |
| 21                                  | 7.2         |               |             | 25         | 1.608                   | 8.0         |                                                          |             | 0.06                    | 5.1        |                               | 26.8       |               |             |
| 22                                  | 7.2         | 274           | 158         | 24         | 0.740                   | 8.0         | 1.2                                                      | 0.2         |                         | 5.0        |                               | 26.1       | 99.6          | 99.9        |
| 23                                  | 7.3         |               |             | 25         | 1.552                   | 7.9         |                                                          |             |                         | 4.2        |                               | 26         |               |             |
| 24                                  | 7.3         |               |             | 25.5       | 2.468                   | 7.9         |                                                          |             |                         | 4.9        |                               | 26.2       |               |             |
| 25                                  | 7.2         |               |             | 24.8       | 2.009                   | 8.0         |                                                          |             |                         | 4.6        | < 20                          | 25.7       |               |             |
| 26                                  | 7.4         |               |             | 25.1       | 2.058                   | 8.0         |                                                          |             |                         | 4.1        |                               | 25.9       |               |             |
| 27                                  | 7.4         |               |             | 25.2       | 1.798                   | 8.0         |                                                          |             | 0.11                    | 4.6        |                               | 26.2       |               |             |
| 28                                  | 7.3         |               |             | 25.9       | 1.771                   | 8.0         |                                                          |             |                         | 4.5        |                               | 25.9       |               |             |
| 29                                  | 7.3         | 234           | 192         | 25.8       | 1.864                   | 8.0         | 1.1                                                      | 0.6         |                         | 5.1        |                               | 25.9       | 99.5          | 99.7        |
| 30                                  | 7.3         |               |             | 25.2       | 1.939                   | 8.0         |                                                          |             |                         | 4.7        |                               | 25.7       |               |             |
| 31                                  | 7.5         |               |             | 25         | 2.235                   | 8.0         |                                                          |             |                         | 4.7        |                               | 24.9       |               |             |
| Total                               |             |               |             |            | 61.503                  |             |                                                          |             |                         |            |                               |            |               |             |
| Avg                                 |             | 279           | 236         | 24         | 1.984                   |             | 1.2                                                      | 0.3         | 0.1                     | 4.6        | < 20                          | 25.4       | 99.6          | 99.8        |
| Min                                 | 7.2         | 234           | 158         | 23         | 0.740                   | 7.9         | 1.0                                                      | 0.2         | 0.1                     | 3.6        | < 20                          | 23.8       | 99.5          | 99.7        |
| Max                                 | 7.5         | 348           | 366         | 26         | 2.744                   | 8.0         | 1.4                                                      | 0.6         | 0.2                     | 5.2        | < 20                          | 26.8       | 99.7          | 99.9        |

| MONTHLY EFFLUENT MONITORING |                      | QUARTERLY EFFLUENT MONITORING |              |
|-----------------------------|----------------------|-------------------------------|--------------|
| DATE                        | Oil & Grease<br>mg/L | Selenium<br>µg/L              | Zinc<br>µg/L |
| 1                           |                      |                               |              |
| 2                           |                      |                               |              |
| 3                           |                      |                               |              |
| 4                           |                      |                               |              |
| 5                           |                      |                               |              |
| 6                           |                      |                               |              |
| 7                           |                      |                               |              |
| 8                           |                      |                               |              |
| 9                           |                      |                               |              |
| 10                          |                      |                               |              |
| 11                          |                      |                               |              |
| 12                          | < 5.0                | < 0.005                       | 0.018        |
| 13                          |                      |                               |              |
| 14                          |                      |                               |              |
| 15                          |                      |                               |              |
| 16                          |                      |                               |              |
| 17                          |                      |                               |              |
| 18                          |                      |                               |              |
| 19                          |                      |                               |              |
| 20                          |                      |                               |              |
| 21                          |                      |                               |              |
| 22                          |                      |                               |              |
| 23                          |                      |                               |              |
| 24                          |                      |                               |              |
| 25                          |                      |                               |              |
| 26                          |                      |                               |              |
| 27                          |                      |                               |              |
| 28                          |                      |                               |              |
| 29                          |                      |                               |              |
| 30                          |                      |                               |              |
| 31                          |                      |                               |              |
| Total                       |                      |                               |              |
| Avg                         | < 5.0                | < 0.005                       | 0.018        |
| Min                         | < 5.0                | < 0.005                       | 0.018        |
| Max                         | < 5.0                | < 0.005                       | 0.018        |

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

| DATE | SLUDGE<br>DISP.<br>LBS. DRY<br>WEIGHT | #1 Aeration Basin, O-Ditch, Etc. |         |                |             | #2 Aeration Basin, O-Ditch, Etc. |         |                |             | *Weather Conditions |                 |      |
|------|---------------------------------------|----------------------------------|---------|----------------|-------------|----------------------------------|---------|----------------|-------------|---------------------|-----------------|------|
|      |                                       | MIXED LIQUOR                     |         |                |             | MIXED LIQUOR                     |         |                |             | Outside             | *RAIN<br>inches | Time |
|      |                                       | * DO                             | ** MLSS | *Settleability |             | * DO                             | ** MLSS | *Settleability |             | * Ambient           |                 |      |
|      |                                       | mg/l                             | mg/l    | *30 min<br>ml  | Temp<br>° C | mg/l                             | mg/l    | *30 min<br>ml  | Temp<br>° C | Temp<br>° F         |                 |      |
| 1    | 3,456                                 | 1.0                              | 3,700   | 460            | 24.6        | 1.1                              | 3,130   | 380            | 23.8        | 79                  |                 | 7:30 |
| 2    |                                       | 1.6                              | 3,560   | 450            | 24.6        | 1.1                              | 2,990   | 380            | 24          | 74                  |                 | 7:30 |
| 3    |                                       | 1.1                              | 4,000   | 500            | 24.2        | 1.1                              | 3,270   | 400            | 24.1        | 76                  |                 | 7:30 |
| 4    |                                       | 0.9                              | 3,510   | 400            | 25.1        | 0.8                              | 3,610   | 410            | 24.7        | 72                  |                 | 7:30 |
| 5    | 6,121                                 | 0.8                              | 4,580   | 640            | 25.3        | 0.9                              | 2,800   | 280            | 24.9        | 76                  |                 | 7:30 |
| 6    | 10,276                                | 1.0                              | 4,420   | 550            | 25.5        | 1.2                              | 3,180   | 290            | 25.1        | 76                  |                 | 7:30 |
| 7    | 11,109                                | 0.9                              | 4,130   | 580            | 24.5        | 1.3                              | 3,190   | 320            | 24.4        | 72                  |                 | 7:30 |
| 8    |                                       | 2.5                              | 3,720   | 390            | 23.9        | 1.4                              | 4,140   | 500            | 23.9        | 72                  |                 | 7:30 |
| 9    |                                       | 3.5                              | 2,910   | 300            | 24.2        | 1.6                              | 3,860   | 450            | 24          | 69                  |                 | 7:30 |
| 10   |                                       | 1.2                              | 3,270   | 390            | 24.8        | 1.3                              | 3,120   | 360            | 24.6        | 79                  |                 | 7:30 |
| 11   | 11,880                                | 0.8                              | 4,520   | 550            | 25.3        | 1                                | 2,690   | 300            | 25.2        | 81                  |                 | 7:30 |
| 12   | 10,553                                | 2.0                              | 4,130   | 400            | 25.5        | 1.4                              | 3,800   | 440            | 25.2        | 77                  |                 | 7:30 |
| 13   |                                       | 2.8                              | 3,120   | 330            | 24.4        | 2.1                              | 3,120   | 340            | 24.4        | 73                  | 0.3             | 7:30 |
| 14   | 9,443                                 | 1.0                              | 4,530   | 480            | 24.8        | 1.6                              | 3,290   | 340            | 24.6        | 75                  |                 | 7:30 |
| 15   | 8,146                                 | 1.1                              | 3,920   | 400            | 25.5        | 1.1                              | 4,140   | 510            | 25.3        | 76                  |                 | 7:30 |
| 16   |                                       | 1.6                              | 3,810   | 420            | 24.7        | 1.3                              | 3,490   | 420            | 24.7        | 77                  |                 | 7:30 |
| 17   |                                       | 1.3                              | 3,800   | 460            | 25.1        | 1.7                              | 3,760   | 460            | 25          | 78                  |                 | 7:30 |
| 18   | 5,400                                 | 0.8                              | 4,520   | 520            | 25.8        | 1.9                              | 3,650   | 390            | 25.6        | 78                  |                 | 7:30 |
| 19   | 4,444                                 | 1.2                              | 4,350   | 480            | 25.4        | 1.4                              | 3,930   | 450            | 25.3        | 77                  |                 | 7:30 |
| 20   |                                       | 0.9                              | 3,930   | 440            | 25.6        | 1.4                              | 3,630   | 390            | 25.4        | 78                  |                 | 7:30 |
| 21   | 9,720                                 | 1.0                              | 3,940   | 420            | 26.4        | 2.7                              | 3,440   | 390            | 26.2        | 78                  |                 | 7:30 |
| 22   |                                       | 0.6                              | 3,950   | 420            | 26          | 1.8                              | 3,640   | 420            | 25.7        | 81                  |                 | 7:30 |
| 23   |                                       | 0.9                              | 3,670   | 350            | 25.5        | 0.9                              | 3,930   | 430            | 25.6        | 78                  |                 | 7:30 |
| 24   |                                       | 1.1                              | 3,980   | 350            | 25.9        | 0.9                              | 4,320   | 550            | 25.8        | 78                  |                 | 7:30 |
| 25   | 7,653                                 | 1.0                              | 3,740   | 370            | 25.5        | 0.9                              | 4,370   | 540            | 25.3        | 77                  |                 | 7:30 |
| 26   | 10,276                                | 1.2                              | 4,020   | 450            | 25.5        | 1.2                              | 4,020   | 450            | 25.3        | 78                  |                 | 7:30 |
| 27   | 9,875                                 | 1.0                              | 3,830   | 430            | 25.7        | 1.3                              | 3,580   | 380            | 25.6        | 78                  |                 | 7:30 |
| 28   | 8,856                                 | 1.1                              | 3,710   | 400            | 25.7        | 1.1                              | 3,820   | 440            | 25.8        | 80                  |                 | 7:30 |
| 29   | 10,121                                | 2.1                              | 3,290   | 370            | 25.5        | 1.6                              | 2,950   | 410            | 25.6        | 79                  |                 | 7:30 |
| 30   |                                       | 1.5                              | 3,690   | 390            | 25.2        | 1.8                              | 3,230   | 310            | 25.6        | 78                  |                 | 7:30 |
| 31   |                                       | 1.1                              | 3,740   | 390            | 24.7        | 1.4                              | 3,550   | 410            | 24.6        | 76                  |                 | 7:30 |

COMMENTS:

|                            |                        |               |          |
|----------------------------|------------------------|---------------|----------|
| TESTS PERFORMED BY (PRINT) | SIGNATURE              | PHONE #       | DATE     |
| Frank Hendricks            | <i>Frank Hendricks</i> | (573)365-0455 | 8/3/2011 |
| REPORT APPROVED BY (PRINT) | SIGNATURE              | PHONE #       | DATE     |
| Gary Hutchcraft            | <i>Gary Hutchcraft</i> | (573)365-0455 | 8/3/2011 |

\*Required Daily (Monday - Friday)

P.33

\*\*Required 1/week





LAKE OZARK/OSAGE BEACH  
Operation Report

FOR JULY  
month

|       |         | PLANT INLET |            |                  |           |              |                 |              |              |              |              | ENVIRONMENTAL CONDITIONS |                     |                 |                |                 | ELEVATION      |                 |                |                 |                |        |    |
|-------|---------|-------------|------------|------------------|-----------|--------------|-----------------|--------------|--------------|--------------|--------------|--------------------------|---------------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|--------|----|
| DATE  | INITIAL | FLOW (cfs)  | FLOW (mgd) | FLOW TOTAL (mgd) | DO (mg/l) | TEMP (deg F) | INVERTED (mg/l) | TEMP (deg F) | TEMP (deg F) | TEMP (deg F) | TEMP (deg F) | PRECIPITATION (inches)   | TEMPERATURE (deg F) | WINDSPEED (mph) | WIND DIRECTION | WINDSPEED (mph) | WIND DIRECTION | WINDSPEED (mph) | WIND DIRECTION | WINDSPEED (mph) | WIND DIRECTION |        |    |
| 1     | JH      | 0.253       | 1.377      | 1.630            | 288       | 242          | 348             | 210          | 192          | 366          |              | 7.33                     | 22.6                | C               | 79             | 3,700           | 460            | 124             | 7.69           | 1               | 3,130          | 38     |    |
| 2     | FH      | 0.318       | 1.671      | 1.989            |           |              |                 |              |              |              |              | 7.37                     | 22.6                | C               | 74             | 3,560           | 450            | 126             | 7.73           | 1.6             | 2,990          | 38     |    |
| 3     | FH      | 0.407       | 1.964      | 2.371            |           |              |                 |              |              |              |              | 7.36                     | 23.1                | PC              | 76             | 4,000           | 500            | 125             | 7.7            | 1.1             | 3,270          | 40     |    |
| 4     | JH      | 0.429       | 2.035      | 2.464            |           |              |                 |              |              |              |              | 7.27                     | 24                  | PC              | 72             | 3,510           | 400            | 114             | 7.67           | 0.9             | 3,610          | 41     |    |
| 5     | JH      | 0.369       | 1.834      | 2.203            |           |              |                 |              |              |              |              | 7.3                      | 24.4                | C               | 76             | 4,580           | 640            | 140             | 7.68           | 0.8             | 2,800          | 28     |    |
| 6     | JH      | 0.304       | 1.546      | 1.850            |           |              |                 |              |              |              |              | 7.24                     | 24.5                | PC              | 76             | 4,420           | 550            | 124             | 7.65           | 1               | 3,180          | 29     |    |
| 7     | JH      | 0.273       | 1.318      | 1.591            |           |              |                 |              |              |              |              | 7.26                     | 23.5                | O               | 72             | 4,130           | 580            | 140             | 7.64           | 0.9             | 3,190          | 32     |    |
| 8     | JH      | 0.286       | 1.444      | 1.730            | 238       | 244          | 278             | 152          | 202          | 232          | 32.7         | 7.31                     | 23.1                | O               | 72             | 3,720           | 390            | 105             | 7.73           | 2.5             | 4,140          | 50     |    |
| 9     | JH      | 0.298       | 1.501      | 1.799            |           |              |                 |              |              |              |              | 7.26                     | 23.6                | C               | 69             | 2,910           | 300            | 103             | 7.72           | 3.5             | 3,860          | 45     |    |
| 10    | JH      | 0.336       | 1.641      | 1.977            |           |              |                 |              |              |              |              | 7.3                      | 23.8                | C               | 79             | 3,270           | 390            | 119             | 7.64           | 1.2             | 3,120          | 36     |    |
| 11    | JH      | 0.304       | 1.493      | 1.797            |           |              |                 |              |              |              |              | 7.18                     | 24.6                | C               | 81             | 4,520           | 550            | 122             | 7.61           | 0.8             | 2,690          | 30     |    |
| 12    | JH      | 0.261       | 1.396      | 1.657            |           |              |                 |              |              |              |              | 7.26                     | 24.4                | PC              | 77             | 4,130           | 400            | 97              | 7.68           | 2               | 3,800          | 44     |    |
| 13    | FH      | 0.281       | 1.445      | 1.726            |           |              |                 |              |              |              |              | 7.48                     | 23.2                | O               | 0.3            | 73              | 3,120          | 330             | 106            | 7.72            | 2.8            | 3,120  | 34 |
| 14    | GH      | 0.271       | 1.477      | 1.748            |           |              |                 |              |              |              | 22.2         | 7.37                     | 24.3                | O               | 75             | 4,530           | 480            | 106             | 7.58           | 1               | 3,290          | 34     |    |
| 15    | JH      | 0.306       | 1.519      | 1.825            | 238       | 250          | 262             | 166          | 206          | 234          |              | 7.36                     | 24.9                | C               | 76             | 3,920           | 400            | 102             | 7.61           | 1.1             | 4,140          | 51     |    |
| 16    | FH      | 0.308       | 1.712      | 2.020            |           |              |                 |              |              |              |              | 7.42                     | 23.8                | C               | 77             | 3,810           | 420            | 110             | 7.66           | 1.6             | 3,490          | 42     |    |
| 17    | FH      | 0.348       | 1.807      | 2.155            |           |              |                 |              |              |              |              | 7.45                     | 24.5                | C               | 78             | 3,800           | 460            | 121             | 7.67           | 1.3             | 3,760          | 46     |    |
| 18    | JH      | 0.297       | 1.577      | 1.874            |           |              |                 |              |              |              |              | 7.28                     | 25.1                | C               | 78             | 4,520           | 520            | 115             | 7.67           | 0.8             | 3,650          | 39     |    |
| 19    | JH      | 0.241       | 1.455      | 1.696            |           |              |                 |              |              |              |              | 7.28                     | 24.8                | C               | 77             | 4,350           | 480            | 110             | 7.68           | 1.2             | 3,930          | 45     |    |
| 20    | JH      | 0.231       | 1.429      | 1.660            |           |              |                 |              |              |              |              | 7.34                     | 25                  | C               | 78             | 3,930           | 440            | 112             | 7.65           | 0.9             | 3,630          | 39     |    |
| 21    | JH      | 0.253       | 1.072      | 1.325            |           |              |                 |              |              |              | 26.4         | 7.2                      | 25                  | C               | 78             | 3,940           | 420            | 107             | 7.65           | 1               | 3,440          | 39     |    |
| 22    | JH      | 0.263       | 0.310      | 0.573            | 206       | 340          | 274             | 166          | 194          | 158          |              | 7.18                     | 24                  | C               | 81             | 3,950           | 420            | 106             | 7.64           | 0.6             | 3,640          | 42     |    |
| 23    | JH      | 0.309       | 1.243      | 1.552            |           |              |                 |              |              |              |              | 7.3                      | 25                  | C               | 78             | 3,670           | 350            | 95              | 7.59           | 0.9             | 3,930          | 43     |    |
| 24    | JH      | 0.354       | 1.979      | 2.333            |           |              |                 |              |              |              |              | 7.25                     | 25.5                | C               | 78             | 3,980           | 350            | 88              | 7.63           | 1.1             | 4,320          | 51     |    |
| 25    | JH      | 0.310       | 1.592      | 1.902            |           |              |                 |              |              |              |              | 7.22                     | 24.8                | O               | 77             | 3,740           | 370            | 99              | 7.64           | 1               | 4,370          | 54     |    |
| 26    | JH      | 0.256       | 1.628      | 1.884            |           |              |                 |              |              |              |              | 7.39                     | 25.1                | C               | 78             | 4,020           | 450            | 112             | 7.66           | 1.2             | 4,020          | 45     |    |
| 27    | JH      | 0.231       | 1.528      | 1.779            |           |              |                 |              |              |              | 30.6         | 7.35                     | 25.2                | C               | 78             | 3,830           | 430            | 112             | 7.67           | 1               | 3,580          | 38     |    |
| 28    | JH      | 0.248       | 1.415      | 1.663            |           |              |                 |              |              |              |              | 7.28                     | 25.9                | C               | 80             | 3,710           | 400            | 108             | 7.65           | 1.1             | 3,820          | 44     |    |
| 29    | JH      | 0.270       | 1.488      | 1.758            | 264       | 224          | 234             | 244          | 172          | 192          |              | 7.33                     | 25.8                | PC              | 79             | 3,290           | 370            | 112             | 7.71           | 2.1             | 2,950          | 41     |    |
| 30    | FH      | 0.308       | 1.656      | 1.964            |           |              |                 |              |              |              |              | 7.34                     | 25.2                | PC              | 78             | 3,690           | 390            | 106             | 7.7            | 1.5             | 3,230          | 38     |    |
| 31    | FH      | 0.354       | 1.764      | 2.118            |           |              |                 |              |              |              |              | 7.47                     | 25                  | O               | 76             | 3,740           | 390            | 104             | 7.68           | 1.1             | 3,550          | 41     |    |
| TOTAL |         | 9.297       | 47.316     | 56.613           | 1234      | 1390         | 1396            | 938          | 966          | 1182         | 111.9        | 226.7                    | 756.3               | 0.3             | 2376           | 119,990         | 13,480         | 3,470           | 237.6          | 40.6            | 109,640        | 12,610 |    |
| MAX   |         | 0.439       | 2.035      | 2.464            | 288       | 340          | 348             | 244          | 206          | 366          | 32.7         | 7.48                     | 25.9                | 0.3             | 81             | 4,580           | 640            | 140             | 7.73           | 3.5             | 4,370          | 55     |    |
| MIN   |         | 0.231       | 0.310      | 0.573            | 206       | 224          | 234             | 152          | 172          | 158          | 22.2         | 7.18                     | 22.6                | 0.3             | 69             | 2,910           | 300            | 88              | 7.58           | 0.6             | 2,690          | 28     |    |
| AVG   |         | 0.300       | 1.526      | 1.826            | 247       | 260          | 279             | 188          | 193          | 236          | 28.0         | 7.31                     | 24.4                | 0.3             | 77             | 3,871           | 435            | 112             | 7.67           | 1.31            | 3,537          | 40     |    |

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

Prepared by GH, FH, JH

Approved by GH



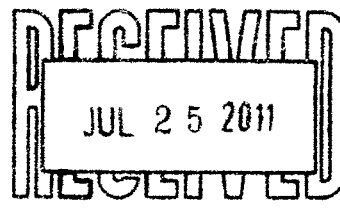
**CWA - Non-Potable Water  
Performance Evaluation Report  
NSI Laboratory Proficiency Testing Program  
Study DMRQA-31 - Shipped: 03/14/2011 - Closed: 07/01/2011 - Reports Printed On: 07/20/2011  
Participant USEPA Labcode: MO01096**

Study Designed and Coordinated by:  
NSI Solutions, Inc.  
7212 ACC Blvd., Raleigh, NC 27617  
A2LA Certificate#: 2432.01  
1-800-234-7837

**This evaluation report is being submitted to:**  
Lake of the Ozarks Regional WWTP #1  
Attention: Gary Hutchcraft  
PO Box 1985  
Lake Ozark, MO, 65049

**LabCode and Accreditation Information:**

**Send Results to:** State and EPA  
**EPA Lab Code:** MO01096  
**State Lab Code:**  
**Primary Agency:** EPA Region VII – EPA Region VII/ENVSV/RLAB  
Robert Bryant  
**Add'l Agencies below** Water Enforcement 901 North Fifth Street  
Kansas City, KS 66101  
**Reports to:** MO  
EPA Region VII



**Participant Information**

**NSI Lab Code:** N05248  
**Permittee Code:** MO0103241

This report was submitted by Gary Hutchcraft, Local Manage.

Lake of the Ozarks Regional WWTP #1  
PO Box 1985  
Lake Ozark, MO, 65049  
573-365-0455

Please contact Mark Hammersla at NSI if you have any questions about this report.  
(800) 234-7837 - Mark.Hammersla@NSI-ES.com

This PT report may contain data not covered under A2LA Accreditation. Such data is noted by an asterisk.

**MIC-003-1 Coliforms/E.coli - Lake of the Ozarks Regional WWTP #1 - NSI Solutions/DMRQA-31**

| Analyte             | NELAC<br>Method<br>Code | Method<br>Description | Reported<br>Value | Assigned<br>Value | Units     | EPA<br>Code <sup>1</sup> | Acceptance<br>Limits | Evaluation | Analysis<br>Date |
|---------------------|-------------------------|-----------------------|-------------------|-------------------|-----------|--------------------------|----------------------|------------|------------------|
| E.coli, MF          | n/a                     | SM 9222B 21st ED.     | 329               | 373               | cfu/100mL | MO01096                  | 37.3 to 790          | ACCEPT.    | 6/20/11          |
| Total Coliform, MF  | – Not Reported –        |                       |                   |                   |           |                          |                      |            |                  |
| Total Coliform, MPN | – Not Reported –        |                       |                   |                   |           |                          |                      |            |                  |
| Fecal Coliform, MF  | – Not Reported –        |                       |                   |                   |           |                          |                      |            |                  |

Fecal Coliform, MPN - Not Reported -  
E.coli, MPN - Not Reported -

**PEI-026 Demand - Lake of the Ozarks Regional WWTP #1 - NSI Solutions/DMRQA-31**

| Analyte | NELAC Method Code | Method Description | Reported Value | Assigned Value | Units | EPA Code <sup>1</sup> | Acceptance Limits | Evaluation | Analysis Date |
|---------|-------------------|--------------------|----------------|----------------|-------|-----------------------|-------------------|------------|---------------|
| BOD     | n/a               | SM 5210B 21st ED.  | 79.6           | 91.1           | mg/L  | MO01096               | 46.0 to 136       | ACCEPT.    | 6/22/11       |
| COD     | - Not Reported -  |                    |                |                |       |                       |                   |            |               |
| TOC     | - Not Reported -  |                    |                |                |       |                       |                   |            |               |
| CBOD    | - Not Reported -  |                    |                |                |       |                       |                   |            |               |

**PEI-035 pH - Lake of the Ozarks Regional WWTP #1 - NSI Solutions/DMRQA-31**

| Analyte | NELAC Method Code | Method Description   | Reported Value | Assigned Value | Units | EPA Code <sup>1</sup> | Acceptance Limits | Evaluation | Analysis Date |
|---------|-------------------|----------------------|----------------|----------------|-------|-----------------------|-------------------|------------|---------------|
| pH      | n/a               | SM 4500HB+B 21st ED. | 6.55           | 6.50           | units | MO01096               | 6.30 to 6.70      | ACCEPT.    | 6/16/11       |

**PEI-079 Residue - Lake of the Ozarks Regional WWTP #1 - NSI Solutions/DMRQA-31**

| Analyte                      | NELAC Method Code | Method Description | Reported Value | Assigned Value | Units | EPA Code <sup>1</sup> | Acceptance Limits | Evaluation | Analysis Date |
|------------------------------|-------------------|--------------------|----------------|----------------|-------|-----------------------|-------------------|------------|---------------|
| Non-Filterable Residue (TSS) | n/a               | SM 2540D 21st ED.  | 66.7           | 67.0           | mg/L  | MO01096               | 53.8 to 75.3      | ACCEPT.    | 6/16/11       |
| Total Solids                 | - Not Reported -  |                    |                |                |       |                       |                   |            |               |

**PEI-138 Simple Nutrients - Lake of the Ozarks Regional WWTP #1 - NSI Solutions/DMRQA-31**

| Analyte              | NELAC Method Code | Method Description     | Reported Value | Assigned Value | Units | EPA Code <sup>1</sup> | Acceptance Limits | Evaluation | Analysis Date |
|----------------------|-------------------|------------------------|----------------|----------------|-------|-----------------------|-------------------|------------|---------------|
| Ammonia as N         | n/a               | SM 4500 NH3 D 21st ED. | 3.10           | 3.25           | mg/L  | MO01096               | 2.31 to 4.26      | ACCEPT.    | 6/15/11       |
| Nitrate as N         | - Not Reported -  |                        |                |                |       |                       |                   |            |               |
| Orthophosphate as P  | - Not Reported -  |                        |                |                |       |                       |                   |            |               |
| Nitrate-nitrite as N | - Not Reported -  |                        |                |                |       |                       |                   |            |               |

Scoring: Assigned values and acceptance limits for analytes included under the A2LA Scope of Accreditation are determined according to the current NELAC standards.

PT Study Summary

To view a summary of the PT study results, please see Study Summary Report available in our PT Datalink at [www.nsi-es.com](http://www.nsi-es.com).

<sup>1</sup> If present, the EPA Code of the lab that actually performed the analysis for this analyte.

Reviewed/Approved By: 

Date: 7-20-11

Add'l Agencies:

MO - Missouri DNR/WPC Program  
Southwest Region Office  
2040 W. Woodland



A Waters Company

# DMRQA-31 Final Complete Report

NPDES Permit #: MO0103241  
 Permit Holder: Gary Hutchcraft  
 Local Manager  
 Lake of the Ozarks Regional WWTP #1  
 #3 Anderson Road  
 Lake Ozark, MO 65049-1985  
 573-365-0455

ERA Customer Number: L130627  
 Report Issued: 07/22/11  
 Study Dates: 03/14/11 - 07/01/11

| Analyte                             | Performance Evaluation | Reported Value | Assigned Value | Acceptance Limits | Units | Method Description | USEPA Lab Code | Study   |
|-------------------------------------|------------------------|----------------|----------------|-------------------|-------|--------------------|----------------|---------|
| <b>Hardness</b>                     |                        |                |                |                   |       |                    |                |         |
| Non-Hardness                        | Acceptable             | 11.5           | 11.5           | 25.1 - 53.1       | mg/L  | GM1590B            | MO00065        | DMRQA31 |
| <b>pH</b>                           |                        |                |                |                   |       |                    |                |         |
| pH                                  | Acceptable             | 7.72           | 7.65           | 7.45 - 7.95       |       | GM1590H, B         | MA00065        | DMRQA31 |
| <b>Simple Nutrients</b>             |                        |                |                |                   |       |                    |                |         |
| Ammonia-N                           | Acceptable             | 0.50           | 1.18           | 2.70 - 14.00      | mg/L  | GM1590H, B         | MO00065        | DMRQA31 |
| <b>Demand</b>                       |                        |                |                |                   |       |                    |                |         |
| BOC                                 | Acceptable             | 22.8           | 75.3           | 22.8 - 112.0      | mg/L  | GM1590B            | MO00065        | DMRQA31 |
| <b>Oil &amp; Grease Concentrate</b> |                        |                |                |                   |       |                    |                |         |
| Oil & Grease (Gravimetric)          | Acceptable             | 56.7           | 70.7           | 48.2 - 83.8       | mg/L  | EPA 1664A          | MO00065        | DMRQA31 |
| <b>Trace Metals</b>                 |                        |                |                |                   |       |                    |                |         |
| Selenium                            | Acceptable             | 635            | 669            | 530 - 775         | µg/L  | EPA 200.7          | MO00066        | DMRQA31 |
| Zinc                                | Acceptable             | 213            | 201            | 171 - 236         | µg/L  | SM3111B            | MO00065        | DMRQA31 |



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01





A Waters Company

# DMRQA-31 Final Complete Report

NPDES Permit #: MO0103241  
Permit Holder: Gary Hutchcraft  
Local Manager  
Lake of the Ozarks Regional WWTP #1  
#3 Anderson Road  
Lake Ozark, MO 65049-1985  
573-365-0455

ERA Customer Number: L130627  
Report Issued: 07/22/11  
Study Dates: 03/14/11 - 07/01/11

| Test End Point | Performance Evaluation | Reported Value % | Assigned Value % | Acceptance Limits % | Method Description | USEPA Lab Code | Study |
|----------------|------------------------|------------------|------------------|---------------------|--------------------|----------------|-------|
|----------------|------------------------|------------------|------------------|---------------------|--------------------|----------------|-------|

*Fathead minnow (Test Code 13)*

*48Hr., Acute, Non-Renewal, 25° C, MHSF*

*Potassium chloride*

|      |            |       |      |             |          |         |         |
|------|------------|-------|------|-------------|----------|---------|---------|
| LC50 | Acceptable | 45.06 | 52.9 | 28.4 - 77.4 | EPA 2000 | MO00065 | DMRQA31 |
|------|------------|-------|------|-------------|----------|---------|---------|

*Ceriodaphnia dubia (Test Code 19)*

*48Hr., Acute Renewal, 25° C, MHSF*

*Potassium chloride*

|      |            |       |      |             |          |         |         |
|------|------------|-------|------|-------------|----------|---------|---------|
| LC50 | Acceptable | 37.89 | 40.4 | 10.0 - 70.8 | EPA 2002 | MO00065 | DMRQA31 |
|------|------------|-------|------|-------------|----------|---------|---------|

