

**OSAGE BEACH/LAKE OZARK  
JOINT SEWER BOARD MEETING  
AGENDA**

**January 17, 2012**

**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  
Rachel Kelley, City Clerk, Lake Ozark  
Gary Hutchcraft, Plant Manager  
Gary Anger, Alliance Water Resources

**3. MINUTES**

Minutes from November 15, 2011

**Page Numbers**

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**4. REPORTS**

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| Income & Expense Summary/ER Fund Analysis   | 25    |
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| November 2011 Alliance Report & Flow Report | 37-57 |
| December 2011 Alliance Report & Flow Report | 58-72 |

**5. NEW BUSINESS**

|                                                                                                |       |
|------------------------------------------------------------------------------------------------|-------|
| A. Contract Modification for Construction Contract, Removal of Grit<br>In # 2 Oxidation Ditch. | 73-77 |
| B. Discussion of Certificate of Deposit investment options.                                    |       |
| C. Corporate Resolution – Providence Bank                                                      |       |

**6. OLD BUSINESS**

**7. DISCUSSION**

**8. ADJOURNMENT**

**THE NEXT MEETING WILL BE FEBRUARY 21, 2012 @ 4:00 PM @ LAKE OZARK CITY HALL**



**LAKE OZARK - OSAGE BEACH**  
**Joint Sewer Board**  
**MINUTES OF MEETING**  
**November 15, 2011**

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

**ROLL CALL:**

**Committee Members Present:**

Mayor Penny Lyons, OB  
Mayor Johnnie Franzeskis, LO  
Dave Van Dee, City Administrator, LO  
Matt Michalik, Public Works Director, LO  
Don Langley, Alderman, LO- entered at 4:13p.m.  
Ron Schmitt, Alderman, OB  
Gary Hamner

**Committee Members Absent:**

Nancy Viselli, City Administrator, OB  
Rick King, Public Works Director, OB

**Others Present:**

Gary Hutchcraft, Plant Manager  
Gary Anger, Alliance Water Resource  
Julie Huttenlocker, Joint Sewer Clerk  
Karri Bell, Treasurer- entered at 4:43 p.m.  
Ed Rucker, Osage Beach City Attorney- entered at 4:02p.m.

**ADOPTION OF PREVIOUS MINUTES:**

Mayor Penny Lyons asked for a motion to approve the minutes from October 18, 2011. Public Works Director Matt Michalik made a motion to approve the minutes; his motion was seconded by Board Member Gary Hamner. All present voted aye, motion carried.

**BILLS:**

Some discussion occurred between Members regarding page 10, an invoice from Lake Ozark Sand and Gravel however it is on Magruder Limestone Company letter head.

Mayor Johnny Franzeskis made a motion to approve the Bills List, second by Alderman Ron Schmidt. All present voted aye, motion carried.

Treasurer Karri Bell entered the meeting late and had an amendment to the Bills List which included the Ameren UE Bills, A motion was then made by Alderman Don Langley to amend the Bills List to include the Ameren UE Bills, and his motion was seconded by Mayor Johnny Franzeskis. All present voted aye, motion carried.

**REPORTS:**

**REVENUE BUDGET ANALYSIS**

Members reviewed. No discussion occurred.

**EXPENDITURE BUDGET ANALYSIS**

Members reviewed. Some discussion occurred on page 16. Alderman Ron Schmidt stated that he felt the budgeted amount for Professional Services is too low for the 2012 Budget based off of

what has been spent this year and what is yet to come. Members discussed, City Attorney Ed Rucker stated that he will check with Steve Mauer and try to get an approximate budget for the next year. Members agreed that they may need to amend the budget next year if needed.

Mayor Penny Lyons then gave Members an update regarding the Quarry Litigation, Some 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 October 2011 was 1.139 mgd. We had 2.3 inches of precipitation measured at the WWTP in October 2011.

Operationally, the plant's discharge was excellent, with an effluent monthly average BOD and TSS of 1.3 mg/l and 0.3 mg/l respectively for October 2011. This represented better than a 99.5% or better removal.

The MLSS combined average for both aeration basins was 3,205 mg/l in October 2011. The total dry weight sludge inventory for October 2011 totaled 149,678 pounds. Plant Personal was able to land apply 33 loads of biosolids in October 2011.

Alliance Member Gary Angert informed Members that a review of the electrical usage at the plant for the first nine months show that usage in 2011 is 3.6% below the same period in 2010.

Mr. Anger also informed Members that once again this year Alliance would like to host a holiday get-together for Members of the Board and other Board Meeting "Regulars" immediately after the Board Meeting on January 17, 2012. Anger asked Members to please keep that date open and stated that more details will be forwarded by Gary Hutchcraft.

Some discussion occurred regarding the decrease in usage and cost for electric in September of this year versus September of last year. Plant Manager Gary Hutchcraft explained what may have caused this decrease.

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

#### **OLD BUSINESS:**

##### **A. 2012 Budget:**

Treasurer Karri Bell was not present at this time for discussion; Mayor Penny Lyons went on to New Business, Discussion and Possible Action of Awarding the Bid for Cleaning of the Oxidation Ditch.

Members reviewed the 2012 Budget which was provided in their packet. Some discussion

occurred between Members. A few additional items were discussed however no changes were made to the proposed budget.

A motion was then made by City Administrator Dave Van Dee to approve the 2012 Budget; his motion was then seconded by Mayor Johnny Franzeskis. All present voted aye, motion carried.

#### **NEW BUSINESS:**

##### **A. Discussion and Possible Action of the Review Request for Qualifications of Engineers for the Generator Project:**

This was discussed after Item B.

Alliance Member Gary Anger stated that there were five qualifications that were submitted which were to be in by November 14, 2011 by 4 p.m. Mr. Anger explained that he felt Alliance should not make any recommendations as he felt the qualifications should be reviewed by the City Engineer. Mr. Anger also suggested that Members establish a Committee of Board Members to review the qualifications with Mr. Edelman, Osage Beach City Engineer and then come back to the Board with a recommendation. Members agreed on making a Committee consisting of Public Works Director Matt Michalik, Board Member Gary Hamner and allowing Gary Hutchcraft, Alliance Member, to sit on the review as a guest.

Mayor Lyons then allowed the guest who was in the audience to speak; Mr. Steve Schultz who was present in the audience introduced himself and stated he was with Shafer, Kline and Warren Engineering out of Columbia Missouri.

A motion was then made by Mayor Johnny Franzeskis to establish a Committee to review the qualifications; his motion was seconded by Alderman Ron Schmidt. All Members present voted aye, motion carried.

Members then discussed the incorrect date of the next meeting at the bottom of the Agenda, Members agreed that there will not be a meeting held in December 2011.

Treasurer Karri Bell then entered the meeting, Karri asked that Members go back to the Bills List for an amendment, in which they did, Members then moved to Old Business, 2012 Budget.

##### **B. Discussion and Possible Action of Awarding the Bid for Cleaning of the Oxidation Ditch:**

Alliance Member Gary Anger stated that bids were to be in on November 14, 2011 at 1p.m and that only 2 Bids had come in. Mr. Anger explained that Osage Beach City Engineer Nick Edelman had added some additional questions to the bid packet; Mr. Anger stated that he felt that Mr. Edelman should review the bids since he had the added questions and knows a little more of what he is looking for. Members agreed that Mr. Edelman should be involved in reviewing the bids. Some discussion occurred between Members regarding the bids; Alliance Member Gary Anger did explain the two bids that did come in. Mr. Anger suggested making a motion subject to Mr. Edelman's review.

A motion was made by City Administrator Dave Van Dee to approve the bid as long as it is responsive and within the budgeted amount, his motion was seconded by Alderman Don Langley.

City Attorney Ed Rucker suggested the motion should be more specific to state that a motion was made to accept the bid from what company.

City Administrator Van Dee then amended his motion (with the assistance of the City Attorney) to accept the bid from Drain Masters as long as the Engineer advises that the bid is responsive and within the budget, and if the Engineer advises the Board to contrary then obviously the Board will

not proceed, this motion was then seconded by Alderman Don Langley. Members then agreed to withdrawal from the first motion that was made.

**DISCUSSION:**

No discussion occurred.

**ADJOURNMENT**

Osage Beach Mayor Penny Lyons adjourned meeting at 4:55 pm.

**Next Meeting: January 17, 2012 at 4 p.m. at Lake Ozark City Hall.**

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Penny Lyons, Mayor

---

Julie Huttenlocker, Joint Sewer Clerk

**JOINT SEWER BOARD**

**BILL LIST**

**January 17, 2012**

|                                                               |    |                     |
|---------------------------------------------------------------|----|---------------------|
| OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:             | \$ | 90,463.63           |
| OPERATING FUND BILLS TO BE PAID:                              | \$ | 9,422.82            |
| EQUIPMENT REPLACEMENT FUND BILLS PAID PRIOR TO BOARD MEETING: | \$ | -                   |
| EQUIPMENT REPLACEMENT FUND BILLS TO BE PAID:                  | \$ | -                   |
| <b>TOTAL</b>                                                  |    | <b>\$ 99,886.45</b> |

**OPERATING FUND BILLS PAID PRIOR TO BOARD MEETING:**

| Account      | Check | Paid To:                       | Description:                           | Amount:             |
|--------------|-------|--------------------------------|----------------------------------------|---------------------|
| 4185         | 3149  | Ameren Missouri                | Electric Nov. 2011                     | \$ 3,344.63         |
| 4170         | 3151  | Equipment Replacement Fund     | Payment into ER Fund                   | \$ 3,467.17         |
| 4000         | 3152  | Equipment Replacement Fund     | New Basin -Loan Payment                | \$ 2,330.12         |
| 4010         | 3153  | Alliance Water Resources, Inc. | Management Fee                         | \$ 21,787.07        |
| 4020         | 3154  | Alliance Water Resources, Inc. | Misc Repair/Main                       | \$ 360.37           |
| 4020         | 3156  | Drain Master                   | Removal of Grit for #2 oxidation ditch | \$ 34,950.00        |
| 4020         | 3157  | JCI                            | Pump Repair                            | \$ 1,478.57         |
| 4010         | 3158  | Alliance Water Resources, Inc. | Management Fee                         | \$ 22,745.70        |
| 4185         | 3159  | Ameren Missouri                | Electric Dec. 2011                     | ?????               |
| <b>TOTAL</b> |       |                                |                                        | <b>\$ 90,463.63</b> |

**OPERATING FUND BILLS TO BE PAID:**

| Account | Check | Paid To:                       | Description:            | Amount:            |
|---------|-------|--------------------------------|-------------------------|--------------------|
| 4170    | 3160  | Equipment Replacement Fund     | Payment into ER Fund    | \$ 3,467.17        |
| 4000    | 3161  | Equipment Replacement Fund     | New Basin -Loan Payment | \$ 2,330.12        |
| 4020    | 3163  | Alliance Water Resources, Inc. | Misc Repair/Main        | \$ 1,375.53        |
| 4020    | 3164  | JCI                            | Pump Repair             | \$ 2,250.00        |
|         |       |                                |                         | <b>\$ 9,422.82</b> |

**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: |
|---------|-------|----------|--------------|---------|
|         |       |          |              | \$ -    |



Please Return This Portion With Your Payment

|                   |                |
|-------------------|----------------|
| AMOUNT DUE        | DATE DUE       |
| \$3,297.34        | Dec 10, 2011   |
| AMOUNT PAYABLE    | ACCOUNT NUMBER |
| AFTER JAN 3, 2012 |                |
| \$3,346.80        | 45800-05832    |

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

ALLIANCE WATER RESOURCES INC  
ACCTS PAYABLE  
206 S KEENE ST  
COLUMBIA, MO 65201

Ameren Missouri  
P.O. Box 68301  
St. Louis, MO 63166-6301

00600000 0045600058302 000003297340 000003297340

Keep This Portion For Your Records

|                |                              |
|----------------|------------------------------|
| ACCOUNT NUMBER | 45800-05832                  |
| NAME           | ALLIANCE WATER RESOURCES INC |
| SERVICE        | J ANDERSON RD.               |
| LOCATION       | LAKE OZARK, MO 65049         |

|      |             |
|------|-------------|
| DATE | Dec 9, 2011 |
|------|-------------|

|        |             |
|--------|-------------|
| DATE   | Dec 9, 2011 |
| AMOUNT | \$3,346.80  |

Payment Received on Nov 17, 2011

\$3,589.16

| TYPE OF              | METER    | SERVICE     | MO | PREVIOUS | METER READING | PRESENT                | READING    | METER      | THRM   | USAGE      | R |
|----------------------|----------|-------------|----|----------|---------------|------------------------|------------|------------|--------|------------|---|
| READING              | NUMBER   | FROM        | TO | DAYS     | READING       | PRESENT                | DIFFERENCE | MULTIPLIER | FACTOR |            | D |
| Total kWh            | 11673321 | 11/03-12/06 | 33 |          | 8131.0000     | 8533.0000              | 402.0000   | 160.0000   |        | 64320.0000 | A |
| Peak kW              | 11673321 | 11/03-12/06 | 33 |          | 0.0000        | 0.7700                 | 0.7700     | 160.0000   |        | 123.2000   | A |
| Service To           |          |             |    |          |               |                        |            |            |        |            |   |
| SUMMARY              |          |             |    |          |               |                        |            |            |        |            |   |
| Total kWh            |          | 12/06/2011  |    |          | 64320.0000    | Peak kW                |            | 12/06/2011 |        | 123.2000   |   |
| Total Billing Demand |          | 12/06/2011  |    |          | 123.2000      | October Winter Base kW |            | 12/06/2011 |        | 123.2000   |   |
| Winter Base Demand   |          | 12/06/2011  |    |          | 123.2000      | Base kWh Ratio         |            | 12/06/2011 |        | 1.0000     |   |
| Base kWh (EUD)       |          | 12/06/2011  |    |          | 64320.0000    | Seasonal kWh (EUD)     |            | 12/06/2011 |        | 0.0000     |   |

## METERED ELECTRIC SERVICE BILLING

| Rate 3M Large General Service | Service From 11/03/2011 | To 12/06/2011 |
|-------------------------------|-------------------------|---------------|
| Seasonal Energy Charge        | 0.00 kWh                | \$ 0.00       |
| Demand Charge                 | 123.20 kW               | \$ 81.96.35   |
| Base Energy Chg / Hours Used  | 18,460.00 kWh           | \$ 1,082.93   |
| Base Energy Chg / Hours Used  | 24,840.00 kWh           | \$ 1,082.93   |
| Base Energy Chg / Hours Used  | 21,200.00 kWh           | \$ 722.92     |
| Customer Charge               |                         | \$83.54       |
| Fuel Adjustment Charge        | 64,320.00 kWh           | \$ 129.92     |
| Energy Efficiency Pgm Charge  | 64,320.00 kWh           | \$ 129.92     |
| Total Service Amount          |                         | \$3,297.34    |

Current Amount Due \$3,297.34  
Prior Amount Due \$0.00  
Total Amount Due \$3,297.34

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     | DATE           |
| \$47.29        | Dec 21, 2011   |
| ACCOUNT NUMBER | ACCOUNT NUMBER |
| 55800-05920    | 55800-05920    |

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

 ALLIANCE WATER RESOURCES INC  
 ACCTS PAYABLE  
 208 S KEENE ST  
 COLUMBIA, MO 65201

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

50633C00 0055800059200 0C0000C47290 C0000C047290

Keep This Portion For Your Records

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

|      |             |
|------|-------------|
| DATE | Dec 9, 2011 |
|------|-------------|

|      |             |        |
|------|-------------|--------|
| DATE | JAN 3, 2012 | 558.00 |
|------|-------------|--------|

Payment Received on Nov 17, 2011

3107.72

| TYPE OF   | METER    | SERVICE     | NO. | PREVIOUS | METER READING | PRESENT    | READING    | METER      | THERM  | USAGE     | D |
|-----------|----------|-------------|-----|----------|---------------|------------|------------|------------|--------|-----------|---|
| READING   | NUMBER   | FROM        | TO  | DAYS     | PREVIOUS      | PRESENT    | DIFFERENCE | MULTIPLIER | FACTOR | USAGE     | D |
| Total kWh | 55987621 | 11/03-12/06 | 33  |          | 43164.0000    | 43539.0000 | 375.0000   | 1.0000     |        | 375.0000A |   |
| Peak kW   | 55987621 | 11/03-12/06 | 33  |          | 0.0000        | 5.4140     | 5.4140     | 1.0000     |        | 5.4140A   |   |

| Service To       |            |          |                 | SUMMARY    |           |  |  | Service To |  |  |  |
|------------------|------------|----------|-----------------|------------|-----------|--|--|------------|--|--|--|
| Total kWh        | 11/06/2011 | 375.0000 | Winter Base kWh | 12/06/2011 | 1000.0000 |  |  |            |  |  |  |
| Current Base kWh | 12/06/2011 | 375.0000 | Seasonal kWh    | 12/06/2011 | 0.0000    |  |  |            |  |  |  |

## METERED ELECTRIC SERVICE BILLING

 Rate 2M 3m Gen Svc - 3 Ph w/Dmd  
 Threshold - Peak Demand

Service From 11/03/2011 To 12/06/2011

|                              |            |   |              |         |
|------------------------------|------------|---|--------------|---------|
| Base Energy Charge           | 375.00 kWh | @ | \$ 0.0720000 | \$27.00 |
| Seasonal Energy Charge       | 0.00 kWh   | @ | \$ 0.4170000 | \$0.00  |
| Customer Charge              |            |   |              | \$19.94 |
| Fuel Adjustment Charge       | 375.00 kWh | @ | \$ 0.0018000 | \$0.71  |
| Energy Efficiency Pgm Charge | 375.00 kWh | @ | \$ 0.0001000 | \$0.04  |
| Total Service Amount         |            |   |              | \$47.29 |

|                    |         |
|--------------------|---------|
| Current Amount Due | \$47.29 |
| Prior Amount Due   | \$0.00  |
| Total Amount Due   | \$47.29 |

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.

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

**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: 5097

Invoice Date: 01-Dec-11

Customer No: 20220

Terms: 30 days

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

**Alliance Water Resources, Inc.**

*Professional Water and Wastewater Operations*

**208 South Keene Street**

**Columbia, Missouri 65201**

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

**SOLD TO:**

**Lake Ozark/Osage Beach Joint Utility Board**

**c/o Karri Bell**

**City of Osage Beach**

**1000 City Parkway**

**Osage Beach, MO 65065**

**INVOICE**

**Invoice No:** 6126

**Invoice Date:** 01-Dec-11

**Customer No:** 20220

**Terms:** 30 days

| REFERENCE | DESCRIPTION                              | AMOUNT   |
|-----------|------------------------------------------|----------|
|           | ITT Water & Wastewater - 1 Invoice - 50% | \$109.44 |
|           | HD Supply - 1 Invoice - 50%              | \$250.93 |
| TOTAL DUE |                                          | \$360.37 |

# ITT Water & Wastewater U. S. A.\*

14125 SOUTH BRIDGE CIRCLE  
CHARLOTTE, NC 28273  
Tel.(704)716-7600 Fax:(704)716-7610



P.O. BOX 223724  
Pittsburgh, PA 15251-2724

| INVOICE                  |                   |                          | YOUR PURCHASE ORDER<br>GARY110711 |  |
|--------------------------|-------------------|--------------------------|-----------------------------------|--|
| INVOICE NO.<br>07661434  | FUS NO.<br>817723 | DATE SHIPPED<br>11/08/11 | DELIVERY NOTE<br>946935           |  |
| INVOICE DATE<br>11/08/11 | TRN<br>A3         | WHS<br>115               | PAYMENT TERMS<br>NET 30 DAYS      |  |

Sold To:

Customer No. 135233

Ship To:

ALLIANCE WATER RESOURCES  
ATTN: ACCOUNTS PAYABLE  
3 ANDERSON ROAD  
PO BOX 1985  
LAKE OZARK MO 65049

ALLIANCE WATER RESOURCES  
ATTN: GARY HUTCHCRAFT  
3 ANDERSON ROAD  
LAKE OZARK, MO 65049

| ORDER LEAD TIME<br>1 week or less ex WWW or port |                                                                                            | F.O.B/FREIGHT<br>PP/Add Actual surcha |                               | ORDER PROCESSED BY<br>WEDECO, CHARLOTTE, NC |                 |
|--------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------|---------------------------------------------|-----------------|
| SHIP VIA<br>FedEx PKG Ground Busin               |                                                                                            | ORDER TEXT                            |                               | CUSTOMER TEXT<br>JULIE                      |                 |
| LINE                                             | ITEM/DESCRIPTION                                                                           | QUANTITY SHIPPED<br>UM                | UNIT PRICE<br>DISCOUNT/CHARGE | NET PRICE                                   | EXTENDED AMOUNT |
| 001                                              | 7600000036392<br>BRUSH, TAK, SS FOR NEW SENSOR<br>OLD NUMBER: I36392                       | 4<br>EA                               | 17.00                         | 17.000                                      | 68.00           |
| 002                                              | 7600000036552<br>LAMP INSERT, TAK, NEW VERSION<br>OLD ITEM # I702586<br>OLD NUMBER: I36552 | 2<br>EA                               | 55.00                         | 55.000                                      | 110.00          |
| 003                                              | 7600000039498<br>O-RING LAMP HOLDER SEAL<br>OLD NUMBER: I39498                             | 6<br>EA                               | 5.50                          | 5.500                                       | 33.00           |
| SUB-TOTAL OF POSITIONS                           |                                                                                            |                                       |                               | USD                                         | 211.00          |
| *PLUS ACTUAL FREIGHT CHARGES*                    |                                                                                            |                                       |                               |                                             | 7.87            |
| TOTAL WEIGHT 1.000 LBS                           |                                                                                            |                                       |                               |                                             |                 |
| NET AMOUNT BEFORE TAXES                          |                                                                                            |                                       |                               | USD                                         | 218.87          |
|                                                  |                                                                                            |                                       |                               |                                             |                 |
| DISPATCH INFO: 759028740007140                   |                                                                                            |                                       |                               | ORDER TOTAL                                 | USD             |
| GL Acct#: 6705-20 \$109.43 1220-20 \$109.44      |                                                                                            |                                       |                               |                                             | 218.87          |
| Signature: <i>Gary Hutchcraft</i>                |                                                                                            |                                       |                               |                                             |                 |
| Date: 11/14/11                                   |                                                                                            |                                       |                               |                                             |                 |



**Local Service, Nationwide**  
P.O. Box 1419  
Thomasville, GA 31799-1419

# INVOICE

BRANCH ADDRESS  
HDSWW - OSAGE BEACH MO  
Branch - 138  
1049 B Industrial Dr  
Osage Beach MO 65065  
573/348-1273

|                  |              |
|------------------|--------------|
| INVOICE #        | 4070186      |
| INVOICE DATE     | 11/23/11     |
| ACCOUNT #        | 116902       |
| SALESPERSON      | STEVEN BURKE |
| BRANCH #         | 138          |
| Total Amount Due | \$539.36     |

Remit To:  
HD SUPPLY WATERWORKS, LTD.  
PO BOX 503660  
ST LOUIS, MO 63150-3660

1510 1 MB Q.380 E0118X 10177 0402643445 P827971 0001:0002



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

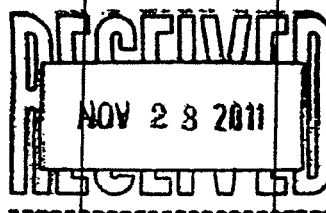
Shipped to:

CUSTOMER PICK-UP -

Return Top Portion With Payment For Faster Credit

Thank You For The Opportunity To Serve You.  
We appreciate your prompt payment.

| Date Ordered | Date Shipped                                              | Customer PO No.  | Job Name         | Job No.      | Bill of Lading | Shipped Via | Order Number |
|--------------|-----------------------------------------------------------|------------------|------------------|--------------|----------------|-------------|--------------|
| 11/16/11     | 11/22/11                                                  | VERBAL           | STOCK            |              |                | WILL CALL   | 4070186      |
| Product Code | Description                                               | Quantity Ordered | Quantity Shipped | Back-Ordered | Price          | Per         | Amount       |
| /80010195828 | 26957 FIRE HOSE - 1-1/2"NST X 50'DOUBLE JACKET - MXF ALUM | 2                | 2                |              | 189.95000      | EA          | 379.90       |
| /80010195829 | 70013 REDUCER/COUPLER ADAPTER - ALUM 6"(F) X 4"(M)        | 1                | 1                |              | 121.95000      | EA          | 121.95       |



GL Acct#: 7115-20 \$288.43 1220-20 \$250.93

Signature: *Sony Hutchcraft*

Date: 11/28/11

This transaction is governed by and subject to HD Supply Waterworks standard terms and conditions, which are incorporated herein by this reference and accepted. To review these terms and conditions, please point your web browser to <http://waterworks.hdsupply.com/TandC/>.

| Terms         | SubTotal |
|---------------|----------|
| NET 30        | 501.85   |
| Tax           |          |
| 37.51         |          |
| INVOICE TOTAL | \$539.36 |

| Freight | Delivery | Handling | Restock | Misc. | Tax   |
|---------|----------|----------|---------|-------|-------|
|         |          |          |         |       | 37.51 |

HDSWW - OSAGE BEACH MO  
Branch - 138  
1049 B Industrial Dr  
Osage Beach MO 65065

THANK YOU FOR YOUR ORDER  
VISIT  
WATERWORKS.HDSUPPLY.COM  
FOR OTHER SERVICES OFFERED

|          |         |
|----------|---------|
| INVOICE: | 4070186 |
|----------|---------|

3156

LAKE OF THE OZARKS REGIONAL  
WASTEWATER TREATMENT PLANT  
REMOVAL OF GRIT IN #2 OXIDATION DITCH

MONTHLY ESTIMATE NO: 1  
EST. PERIOD ENDING: 12/14/2011

CONTRACTOR: Drain Masters, LLC  
24940 Spencer Road  
Wayneville, MO 65583

ORIGINAL CONTRACT AMOUNT: \$34,950.00  
CHANGE ORDER NO. AND AMOUNT:

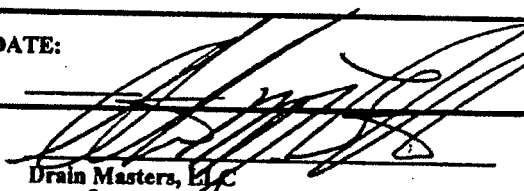
REVISED CONTRACT AMOUNT: \$34,950.00  
CONTRACT COMPLETION DATES: 90

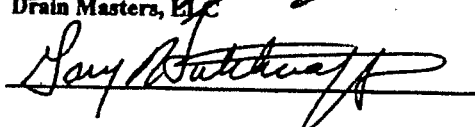
TIME EXTENSION: \_\_\_\_\_

REVISED COMPLETION DATE: \_\_\_\_\_

TOTAL IMPROVEMENTS TO DATE: \$34,950.00  
Less Retained Amount: 0% of Total To Date \$0.00  
Less Previous Payments:  
TOTAL DUE THIS ESTIMATE: \$34,950.00

PERCENT COMPLETION TO DATE: 100.0%  
CONTRACT TIME USED: 0.0%

PAYMENT REQUESTED:  Date: 12-16-11  
Drain Masters, LLC

PAYMENT RECOMMENDED:  Date: 12/16/11

**REMOVAL OF GRIT IN  
#2 OXIDATION DITCH**

|                              |                  |                 |       |                                          |               |             |
|------------------------------|------------------|-----------------|-------|------------------------------------------|---------------|-------------|
| MONTHLY ESTIMATE NO. _____ 1 |                  |                 |       | PERIOD ENDING: _____                     |               |             |
|                              |                  |                 |       |                                          |               |             |
| ITEM                         | Completed<br>QTY | Contract<br>QTY | UNITS | DESCRIPTION                              | UNIT<br>PRICE | TOTAL       |
| 1                            | 150              | 150             | TONS  | Removal of Grit in #2 Oxidation<br>Ditch | \$233.00      | \$34,950.00 |
| TOTAL CONTRACT AMOUNT        |                  |                 |       |                                          |               | \$34,950.00 |

# INVOICE

## Remit To:

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



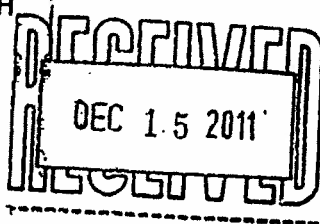
|                     |        |
|---------------------|--------|
| Invoice Number      |        |
| 8042981             |        |
| Invoice Date        | Page   |
| 12/12/2011 15:37:16 | 1 of 1 |
| Sales Order Number  |        |
| 1038801             |        |

Branch: 06

JEFFERSON CITY

## Bill To:

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



## Ship To:

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

Customer ID: 400263

|                                   |         |                |               |                       |                   |  |              |                |
|-----------------------------------|---------|----------------|---------------|-----------------------|-------------------|--|--------------|----------------|
| PO Number                         |         |                |               |                       | Terms Description |  | Net Due Date |                |
| VERBAL GARY H                     |         |                |               |                       | Net 30            |  | 1/1/2012     |                |
| Order Date                        |         | Pick Ticket No |               | Primary Salesrep Name |                   |  | Order Taker  |                |
| 12/12/2011 14:13:42               |         | 3041238        |               | Kevin Schupp, JI      |                   |  | JGOERES      |                |
| Quantities                        |         |                |               |                       | Item ID           |  | Pricing UOM  |                |
| Ordered                           | Shipped | Remaining      | UOM Unit Size | Digs                  | Item Description  |  | Unit Price   | Extended Price |
|                                   |         |                |               |                       |                   |  | Unit Size    |                |
| Order Note: REPAIR PER ICT 000000 |         |                |               |                       |                   |  |              |                |

Order Note: REPAIR PER JCI QUOTE #0463934304CM  
10/12/11

|      |      |      |     |                          |        |            |          |
|------|------|------|-----|--------------------------|--------|------------|----------|
| 1.00 | 1.00 | 0.00 | EA  | P ALLIANCE WATER 9-30-11 | EA     | 1,478.5700 | 1,478.57 |
|      |      |      | 1.0 | PUMP REPAIR              | 1.0000 |            |          |

Total Lines: 1

SUB-TOTAL: 1,478.57

TAX: 0.00

AMOUNT DUE: 1,478.57

Carrier: JCI TO DELIVER

Tracking #:

Merchandise cannot be returned without permission. Claims for shortages or errors must be made in writing within thirty (30) days after receipt of goods. All approved returns must include a JCI return authorization number and may be subject to a restocking fee up to 25%.

ORIGINAL



**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: 5129

Invoice Date: 1-Jan-12

Customer No: 20220

Terms: 30 days

| REFERENCE | DESCRIPTION                                                             | AMOUNT      |
|-----------|-------------------------------------------------------------------------|-------------|
|           | Wastewater Plant operating service for month of: Jan-12<br><br>Base Fee | \$22,745.70 |
| TOTAL DUE |                                                                         | \$22,745.70 |

**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: 5155

Invoice Date: 1-Jan-12

Customer No: 20220

Terms: 30 days

| REFERENCE | DESCRIPTION                                           | AMOUNT     |
|-----------|-------------------------------------------------------|------------|
|           | Environmental Analysis South, Inc. - 1 Invoice - 100% | \$1,324.00 |
|           | Staples - 1 Invoice - 100%                            | \$51.53    |
| TOTAL DUE |                                                       | \$1,375.53 |

Environmental Analysis South, Inc  
4000 East Jackson Blvd. - Jackson MO 63755 - 573-204-8817 - Fax 573-204-8818

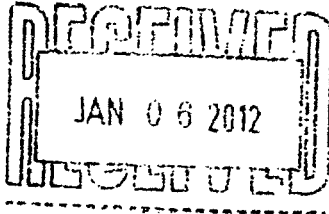
Client Invoice

Invoice Number 115781

Purchase Order # 1039-20

Bill To:

Accounts Payable  
Alliance Lake of the Ozarks  
P. O. Box 1985  
Lake Ozarks, MO 65049



Report To:

Lake Ozark Regional WWTP  
Alliance Lake of the Ozarks  
P. O. Box 1985  
Lake Ozarks, MO 65049

Invoice Date: 1/6/2012 Sent Via: US Mail Terms 30 Net

Analysis Charges:

| Item                  | Description                 | Quantity | Unit Cost | Item Total |
|-----------------------|-----------------------------|----------|-----------|------------|
| NONE                  | NO ANALYSIS CHARGES FOR RPT | 1        | \$0.00    | \$0.00     |
| Analysis Charge Total |                             |          |           | \$0.00     |

Additional Charges:

| Item               | Description                | Quantity | Unit Cost | Item Total |
|--------------------|----------------------------|----------|-----------|------------|
| SLAB               | Sub-Contracting Laboratory | 1324     | \$1.00    | \$1,324.00 |
| Other Charge Total |                            |          |           | \$1,324.00 |
| Invoice Total      |                            |          |           | \$1,324.00 |

GL Acct#: 1220-20  
Signature: Gary Hultcraft  
Date: 1/6/12

**STAPLES**

that was easy.

Low prices. Every item. Every day.

3534 Highway 54  
Lake Ozark, MO 65049  
(573) 365-8943

SALE 1467432 5 008 20810  
1178 12/01/11 02:31

\*\*\*\*\*

QTY SKU PRICE

REWARDS NUMBER 3752153134  
1 NEXT DAY AIR PACKA  
389773 51.53N  
SUBTOTAL 51.53  
TOTAL \$51.53  
Convenience 51.53  
Card No.: XXXXXXXXXXXX3152 [S]  
Auth No.: 0APRVO

SHIPMENT OF  
SLUDGE/GRIT NEEDED  
FOR LAND FILL

TOTAL ITEMS 1

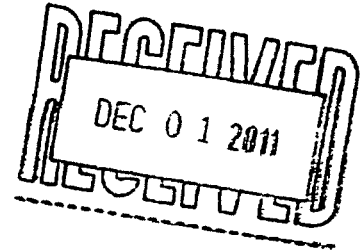
Master Account 0001665595  
Per the terms and conditions of the  
program, Staples Rewards are not available  
to Staples National Advantage or Staples  
Business Advantage customers. For  
questions, please call the Staples Rewards  
Hotline: 1-800-793-3320

Compare and Save  
with Staples-brand products.

THANK YOU FOR SHOPPING AT STAPLES !

Shop online at [www.staples.com](http://www.staples.com)

11781201112081008



GL Acct#: 1220-20

Signature: *Sam Hutchcraft*

Date: 12/1/11

# INVOICE

## Remit To:

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

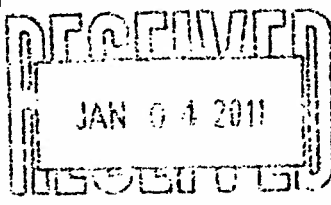


|                     |        |
|---------------------|--------|
| Invoice Number      |        |
| 8044138             |        |
| Invoice Date        | Page   |
| 12/30/2011 12:15:26 | 1 of 1 |
| Sales Order Number  |        |
| 1039501             |        |

Branch: 06 JEFFERSON CITY

## Bill To:

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



## Ship To:

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

Customer ID:400263

| PO Number              |         |                |                  |                       | Terms Description                                                      |  | Net Due Date   |               |                   |
|------------------------|---------|----------------|------------------|-----------------------|------------------------------------------------------------------------|--|----------------|---------------|-------------------|
| VERBEL GARY HUTCHCRAFT |         |                |                  |                       | Net 30                                                                 |  | 1/29/2012      |               |                   |
| Order Date             |         | Pick Ticket No |                  | Primary Salesrep Name |                                                                        |  |                | Order Taker   |                   |
| 12/30/2011 10:58:03    |         | 3042241        |                  | Kevin Schupp JI       |                                                                        |  |                | JGOERES       |                   |
| Quantities             |         |                |                  |                       | Item ID<br>Item Description                                            |  | Pricing<br>UOM | Unit<br>Price | Extended<br>Price |
| Ordered                | Shipped | Remaining      | UOM<br>Unit Size | Disp.                 |                                                                        |  | Unit Size      |               |                   |
| 1.00                   | 1.00    | 0.00           | EA               | 1.0                   | P ALLIANCE WATER 12-9-2011<br>PUMP REPAIR<br>FLYGT PUMP MODEL 3127.180 |  | EA<br>1.0000   | 2,250.0000    | 2,250.00          |

Total Lines: 1

**SUB-TOTAL:** 2,250.00

**TAX:** 0.00

Carrier: JCI TO DELIVER

Tracking #:

**AMOUNT DUE:** 2,250.00

Merchandise cannot be returned without permission. Claims for shortages or errors must be made in writing within thirty (30) days after receipt of goods. All approved returns must include a JCI return authorization number and may be subject to a restocking fee up to 25%.



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

| Account<br>Number    | Account Name          | 12/31/2011        |                   |                   |                                    | Percent<br>YTD              |
|----------------------|-----------------------|-------------------|-------------------|-------------------|------------------------------------|-----------------------------|
|                      |                       | 2009<br>Actual    | 2010<br>Actual    | 2011<br>Budget    | 2011<br>Actual as of<br>12/31/2011 | 2011<br>December<br>Revenue |
| 3020                 | Osage Beach           | 497,506.57        | 407,036.02        | 396,900.00        | 399,428.80                         | 33,448.18                   |
| 3010                 | Lake Ozark            | 88,558.73         | 92,130.61         | 93,100.00         | 90,571.18                          | 7,385.15                    |
| 3100                 | Interest              | 47.88             | 136.11            | 100.00            | 804.37                             | 9.97                        |
| 3060                 | Waste Haulers' Fee    | 45,240.00         | 41,630.00         | 38,000.00         | 39,457.00                          | 1,500.00                    |
| 3030                 | Misc Income Gen Grant | 209.40            | 0.00              | 0.00              | 0.00                               | 0.00                        |
| Total Operating Fund |                       | 631,562.58        | 540,932.74        | 528,100.00        | 530,261.35                         | 42,343.30                   |
| E/R Fund Income      |                       | 1,183.30          | 1,645.40          | 1,000.00          | 1,355.61                           | 20.93                       |
| <b>TOTAL INCOME</b>  |                       | <b>632,745.88</b> | <b>542,578.14</b> | <b>529,100.00</b> | <b>531,616.96</b>                  | <b>42,364.23</b>            |
|                      |                       |                   |                   |                   |                                    | <b>100%</b>                 |





**MONTH-TO-DATE AND YEAR-TO-DATE  
EXPENDITURE/BUDGET ANALYSIS  
12/31/2011**

| Account Number | Account Name                                | 2009 Actual | 2010 Actual      | 2011 Budget                      | 2011 Actual as of 12/31/2011   | 2011 December Expenses | Percent YTD      |
|----------------|---------------------------------------------|-------------|------------------|----------------------------------|--------------------------------|------------------------|------------------|
| 4000           | Equipment Replace Fund                      | 41,606.04   | 41,606.04        | 42,000.00                        | 41,606.04                      | 3,467.17               | 99%              |
| 4010           | ERF Repayment                               | 27,961.44   | 27,961.44        | 27,961.44                        | 27,961.44                      | 2,330.12               | 100%             |
| 4020           | **Maintenance & Repair                      | 34,052.32   | 15,811.62        | 57,000.00                        | 46,319.94                      | 36,788.94              | 81%              |
| 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                         | 2,835.38                       | 0.00                   | 95%              |
| 4160           | Haulers Fees to Contractor                  | 8,600.00    | 8,000.00         | 8,000.00                         | 8,000.00                       | 0.00                   | 100%             |
| 4170           | Contract Management                         | 308,837.65  | 312,836.20       | 265,000.00                       | 266,524.58                     | 21,787.07              | 101%             |
| 4185           | Electric                                    | 0.00        | 0.00             | 65,000.00                        | 61,407.39                      | 3,344.63               | 94%              |
| 4190           | Miscellaneous                               | 0.00        | 0.00             | 0.00                             | 0.00                           | 0.00                   | 0%               |
| 4200           | Audit                                       | 1,550.00    | 1,600.00         | 1,650.00                         | 1,650.00                       | 0.00                   | 100%             |
| 4220           | ***Professional Service                     | 155,052.28  | 24,828.71        | 30,000.00                        | 19,298.33                      | 4,818.15               | 64%              |
| 4240           | *Capital Purchases                          | 5,339.49    | 1,659.40         | 12,000.00                        | 13,241.91                      | 0.00                   | 110%             |
|                | Totals                                      | 605,210.95  | 452,974.46       | 528,611.44                       | 505,972.01                     | 72,536.08              | 96%              |
|                | **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                       | 507,495.01                     | 72,536.08              | 94%              |
| <br>           |                                             |             |                  |                                  |                                |                        |                  |
|                | ***Professional Services:                   |             |                  |                                  |                                |                        |                  |
|                | Engineering Consulting Fee/Backup Generator |             | 5,000.00         | Paid 09/11                       | 16 Channel Auto Dialer         |                        | 8,000.00         |
|                | Normal/Magruder Lawsuit                     |             | 25,000.00        | Paid 04/11                       | Pressure Washer/Steam Clean    |                        | 4,000.00         |
|                |                                             |             | <u>30,000.00</u> |                                  |                                |                        | <u>12,000.00</u> |
|                |                                             |             |                  | Paid 03/11                       | Unbudgeted Lab Equip. Purchase |                        | 2,344.53         |
| <br>           |                                             |             |                  |                                  |                                |                        |                  |
|                | **Maintenance & Repair                      |             |                  |                                  |                                |                        |                  |
|                | Paid 08/11                                  |             |                  | UV Spare Parts                   |                                |                        | 5,000.00         |
|                |                                             |             |                  | Replace Wooden drs w/ Fiberglass |                                |                        | 4,000.00         |
|                |                                             |             |                  | Rock for Road                    |                                |                        | 2,000.00         |
|                |                                             |             |                  | Normal Maintenance               |                                |                        | 6,000.00         |
|                | Paid 12/11                                  |             |                  | #2 Aeration Basin Main.          |                                |                        | <u>40,000.00</u> |
|                |                                             |             |                  |                                  |                                |                        | <u>57,000.00</u> |



**OPERATING FUND  
BALANCE SHEET  
12/31/2011**

|                      |                          | DEBITS     | CREDITS    |
|----------------------|--------------------------|------------|------------|
| ASSETS               | CASH AND INVESTMENTS     | 202,227.60 |            |
| ACCOUNTS PAYABLE     | DUE TO E.R. FUND - BASIN |            | 50,507.01  |
| EQUITY               | FUND BALANCE             |            | 151,720.59 |
| TOTAL OPERATING FUND |                          | 202,227.60 | 202,227.60 |

**EQUIPMENT REPLACEMENT FUND  
BALANCE SHEET  
12/31/2011**

|                                  |                                 | DEBITS     | CREDITS    |
|----------------------------------|---------------------------------|------------|------------|
| ASSETS                           | CASH AND INVESTMENTS            | 243,456.52 |            |
| ACCOUNTS RECEIVABLE              | DUE FROM OPERATING FUND - BASIN | 50,507.01  |            |
| EQUITY                           | FUND BALANCE                    |            | 293,963.53 |
| TOTAL EQUIPMENT REPLACEMENT FUND |                                 | 293,963.53 | 293,963.53 |



**OPERATING FUND INCOME AND EXPENSE SUMMARY**  
**12/31/2011**

|                                                 |                   |
|-------------------------------------------------|-------------------|
| Beginning Balance                               | 227,602.23        |
| Income - Osage Beach                            | 33,448.18         |
| Income - Lake Ozark                             | 7,385.15          |
| Income - Other                                  | 0.00              |
| Income - Waste Haulers' Fees                    | 1,500.00          |
| Interest - Checking                             | 9.97              |
| Income - CD Interest                            | 0.00              |
| Transfers From E/R Fund                         | 0.00              |
| Transfers to E/R fund                           | -5,797.29         |
| Expenses                                        | -61,920.64        |
| Ending Fund Balance                             | <b>202,227.60</b> |
| NOW Account - Central Bank                      | 101,546.34        |
| CD First National Bank, 1.00%, 01/26/12 #000049 | 100,681.26        |
| Outstanding Checks:                             | 0.00              |
| Deposit in Transit:                             | 0.00              |
|                                                 | <b>202,227.60</b> |

**EQUIPMENT REPLACEMENT FUND INCOME AND EXPENSE SUMMARY**  
**12/31/2011**

|                                                 |                   |
|-------------------------------------------------|-------------------|
| Beginning Balance                               | 237,638.30        |
| Interest - Checking                             | 20.93             |
| Income - CD Interest                            | 0.00              |
| Transfers From E/R Fund                         | 5,797.29          |
| Transfers to E/R Fund                           | 0.00              |
| Income - Miscellaneous                          | 0.00              |
| Expenses                                        | 0.00              |
| ***** Fraud Expenses reversed                   | 0.00              |
| Ending Fund Balance                             | <b>243,456.52</b> |
| NOW Account - First Bank                        | 131,038.27        |
| CD First National Bank, 1.00%, 01/09/12 #000048 | 112,418.25        |
| Deposit in Transit                              | 0.00              |
| Outstanding Checks:                             | 0.00              |
|                                                 | <b>243,456.52</b> |



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

|      |                         |   |                                    |                   |
|------|-------------------------|---|------------------------------------|-------------------|
|      |                         |   | <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> |
|      | Fraud Expenses          | X | 449.75                             | 101,511.26        |
|      | Interest                | X | 18.82                              | 101,530.08        |
|      | Deposit                 | X | 5,797.29                           | 107,327.37        |
|      |                         |   | <b>reconciled balance 8/31/11</b>  | <b>107,327.37</b> |
|      | Acct Setup Fees         |   | 53.58                              | 107,273.79        |
|      | Fraud Expenses Reversed | X | 449.75                             | 107,723.54        |
|      | Interest                | X | 11.47                              | 107,735.01        |
|      | Deposit                 | X | 5,797.29                           | 113,532.30        |
|      |                         |   | <b>reconciled balance 9/30/11</b>  | <b>113,532.30</b> |
|      | Acct Setup Fees         |   | 53.58                              | 113,585.88        |
|      | Interest                | X | 19.64                              | 113,605.52        |
|      | Deposit                 | X | 5,797.29                           | 119,402.81        |
|      |                         |   | <b>reconciled balance 10/31/11</b> | <b>119,402.81</b> |
|      | Interest                | X | 19.95                              | 119,422.76        |
|      | Deposit                 | X | 5,797.29                           | 125,220.05        |
|      |                         |   | <b>reconciled balance 11/30/11</b> | <b>125,220.05</b> |
|      | Interest                | X | 20.93                              | 125,240.98        |
|      | Deposit                 | X | 5,797.29                           | 131,038.27        |
|      |                         |   | <b>reconciled balance 12/31/11</b> | <b>131,038.27</b> |



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

009 00010 26  
ACCOUNT:  
DOCUMENTS:

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11/30/2011

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

Big changes in store for U.S. Savings Bonds! Paper savings bonds will not be sold through financial institutions or mail order after 12/31/2011  
You can buy electronic savings bonds online through TreasuryDirect:  
[www.treasurydirect.gov](http://www.treasurydirect.gov).

BUSINESS MMDA ACCOUNT

LAST STATEMENT 10/31/11 119,402.81  
2 CREDITS 5,817.24  
DEBITS .00  
THIS STATEMENT 11/30/11 125,220.05

REF #.....DATE.....AMOUNT REF #.....DATE.....AMOUNT REF #.....DATE.....AMOUNT  
11/17 5,797.29

DESCRIPTION OTHER CREDITS DATE AMOUNT  
INTEREST 11/30 19.95

AVERAGE LEDGER BALANCE: 122,108.21 INTEREST EARNED: 19.95  
AVERAGE AVAILABLE BALANCE: 121,335.24 DAYS IN PERIOD: 30  
INTEREST PAID THIS PERIOD: 19.95 ANNUAL PERCENTAGE YIELD EARNED: .20  
INTEREST PAID 2011: 51.06

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



## Operating Fund

## CHECK REGISTER - JOINT SEWER BOARD OPERATION FUND

|      |                                    |   |           |                   |
|------|------------------------------------|---|-----------|-------------------|
|      | <b>reconciled balance 8/31/11</b>  |   |           | <b>124,026.55</b> |
| 3123 | Alliance Water Resources, Inc.     | X | 21,787.07 | 102,239.48        |
| 3124 | Ameren UE                          | X | 8,382.46  | 93,857.02         |
| 3125 | ER Fund Transfer                   | X | 3,467.17  | 90,389.85         |
| 3126 | ER Fund Loan Payment               | X | 2,330.12  | 88,059.73         |
| 3127 | Alliance Water Resources, Inc.     | X | 211.98    | 87,847.75         |
| 3128 | UV Doctor Lamps LLC                | X | 3,225.89  | 84,621.86         |
| 3129 | Roemers Heavy Equipment            | X | 2,045.47  | 82,576.39         |
| 3130 | Zerger & Mauer LLP                 | X | 5,401.98  | 77,174.41         |
|      | Deposit                            | X |           | 34,127.67         |
|      | Deposit                            | X |           | 6,705.66          |
|      | Deposit                            | X |           | 7,000.00          |
|      | Interest                           | X |           | 10.90             |
|      | <b>reconciled balance 9/30/11</b>  |   |           | <b>125,018.64</b> |
| 3131 | Alliance Water Resources, Inc.     | X | 21,787.07 | 103,231.57        |
| 3132 | Ameren UE                          | X | 3,847.86  | 99,383.71         |
| 3133 | ER Fund Transfer                   | X | 3,467.17  | 95,916.54         |
| 3134 | ER Fund Loan Payment               | X | 2,330.12  | 93,586.42         |
| 3135 | Alliance Water Resources, Inc.     | X | 1,090.48  | 92,495.94         |
| 3136 | ECCO Electric LLC                  | X | 6,959.00  | 85,536.94         |
| 3137 | Zerger & Mauer LLP                 | X | 4,834.44  | 80,702.50         |
|      | Deposit                            | X |           | 34,112.08         |
|      | Deposit                            | X |           | 6,721.26          |
|      | Deposit                            | X |           | 1,700.00          |
|      | Interest                           | X |           | 10.44             |
|      | <b>reconciled balance 10/31/11</b> |   |           | <b>123,246.28</b> |
| 3138 | Alliance Water Resources, Inc.     | X | 21,787.07 | 101,459.21        |
| 3139 | Ameren UE                          | X | 3,697.08  | 97,762.13         |
| 3140 | ER Fund Transfer                   | X | 3,467.17  | 94,294.96         |
| 3141 | ER Fund Loan Payment               | X | 2,330.12  | 91,964.84         |
| 3143 | JCI                                | X | 1,487.57  | 90,477.27         |
| 3144 | Lake Sun Leader                    | X | 94.50     | 90,382.77         |
| 3147 | Alliance Water Resources, Inc.     |   | 1,308.31  | 89,074.46         |
|      | Deposit                            | X |           | 33,629.26         |
|      | Deposit                            | X |           | 7,204.07          |
|      | Deposit                            | X |           | 1,820.00          |
|      | Interest                           | X |           | 11.33             |
|      | <b>reconciled balance 11/30/11</b> |   |           | <b>131,739.12</b> |
| 3146 | Zerger & Mauer LLP                 | X | 4,818.15  | 126,920.97        |
| 3149 | Ameren UE                          | X | 3,344.63  | 123,576.34        |
| 3151 | ER Fund Transfer                   | X | 3,467.17  | 120,109.17        |
| 3152 | ER Fund Loan Payment               | X | 2,330.12  | 117,779.05        |
| 3153 | Alliance Water Resources, Inc.     | X | 21,787.07 | 95,991.98         |
| 3154 | Alliance Water Resources, Inc.     | X | 360.37    | 95,631.61         |
| 3156 | Drain Master                       | X | 34,950.00 | 60,681.61         |
| 3157 | JCI                                | X | 1,478.57  | 59,203.04         |
|      | Deposit                            | X |           | 33,448.18         |
|      | Deposit                            | X |           | 7,385.15          |
|      | Deposit                            | X |           | 1,500.00          |
|      | Interest                           | X |           | 9.97              |
|      | <b>reconciled balance 12/31/11</b> |   |           | <b>101,546.34</b> |



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

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ACCOUNT:  
DOCUMENTS:

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

Big changes in store for U.S. Savings Bonds! Paper savings bonds will not  
be sold through financial institutions or mail order after 12/31/2011  
You can buy electronic savings bonds online through TreasuryDirect:  
[www.treasurydirect.gov](http://www.treasurydirect.gov).

BUSINESS MMDA ACCOUNT

LAST STATEMENT 11/30/11 125,220.05  
2 CREDITS 5,818.22  
DEBITS .00  
THIS STATEMENT 12/30/11 131,038.27

REF #.....DATE.....AMOUNT REF #.....DATE.....AMOUNT REF #.....DATE.....AMOUNT  
12/16 5,797.29

DESCRIPTION OTHER CREDITS DATE AMOUNT  
INTEREST 12/30 20.93

AVERAGE LEDGER BALANCE: 128,118.69 INTEREST EARNED: 20.93  
AVERAGE AVAILABLE BALANCE: 127,345.72 DAYS IN PERIOD: 30  
INTEREST PAID THIS PERIOD: 20.93 ANNUAL PERCENTAGE YIELD EARNED: .20  
INTEREST PAID 2011: 71.99

\* \* \* C O N T I N U E D \* \* \*



# Central Bank of Lake of the Ozarks

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

001904

Return Service Requested



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

Period 11/01/2011-11/30/2011 Page 1 of 2

Web Address www.cbolobank.com

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## Your Financial Summary on November 30, 2011

### Account Balances & Other Assets

|              |                      |
|--------------|----------------------|
| Checking     | \$ 131,739.12        |
| <b>Total</b> | <b>\$ 131,739.12</b> |

## Detailed Explanation of Account Balances and Other Assets

### Basic Plus Interest Checking

|     |                                    |               |
|-----|------------------------------------|---------------|
| No. | Beginning Balance October 31, 2011 | \$ 123,246.28 |
|-----|------------------------------------|---------------|

#### Deposits

|                         |           |
|-------------------------|-----------|
| Nov. 10 Deposit         | 7,204.07  |
| Nov. 10 Deposit         | 33,629.26 |
| Nov. 22 Deposit         | 1,820.00  |
| Nov. 30 Interest Earned | 11.33     |

|              |                      |
|--------------|----------------------|
| <b>Total</b> | <b>+\$ 42,664.66</b> |
|--------------|----------------------|

#### Checks

| Check No. | Date Paid | Amount    | Check No. | Date Paid | Amount   |
|-----------|-----------|-----------|-----------|-----------|----------|
| 3138      | Nov. 18   | 21,787.07 | 3143      | Nov. 25   | 1,487.57 |
| 3139      | Nov. 18   | 3,697.08  | 3144      | Nov. 18   | 94.50    |
| 3140      | Nov. 18   | 3,467.17  | 3147      | Nov. 18   | 1,308.31 |
| 3141      | Nov. 18   | 2,330.12  |           |           |          |

|              |                      |
|--------------|----------------------|
| <b>Total</b> | <b>-\$ 34,171.82</b> |
|--------------|----------------------|

|                                         |                      |
|-----------------------------------------|----------------------|
| <b>Ending Balance November 30, 2011</b> | <b>\$ 131,739.12</b> |
|-----------------------------------------|----------------------|

Number of days since last statement/interest cycle 30  
Beginning and ending dates for calculation of statement/interest cycle are 11/01/2011 through 11/30/2011  
Average collected balance 137,891.00  
Interest rate 0.10%  
Annual percentage yield earned 0.10%



# Central Bank of Lake of the Ozarks

MEMBER FDIC

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

001999

Return Service Requested



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

Period 12/01/2011-12/30/2011 Page 1 of 2

Web Address  
www.cbolobank.com

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## Your Financial Summary on December 30, 2011

### Account Balances & Other Assets

|              |           |                   |
|--------------|-----------|-------------------|
| Checking     | \$        | 101,546.34        |
| <b>Total</b> | <b>\$</b> | <b>101,546.34</b> |

## Detailed Explanation of Account Balances and Other Assets

### Basic Plus Interest Checking

|    |                                     |    |            |
|----|-------------------------------------|----|------------|
| No | Beginning Balance November 30, 2011 | \$ | 131,739.12 |
|----|-------------------------------------|----|------------|

#### Deposits

|                         |           |
|-------------------------|-----------|
| Dec. 16 Deposit         | 400.00    |
| Dec. 16 Deposit         | 7,385.15  |
| Dec. 16 Deposit         | 33,448.18 |
| Dec. 20 Deposit         | 600.00    |
| Dec. 22 Deposit         | 500.00    |
| Dec. 30 Interest Earned | 9.97      |

|              |            |                  |
|--------------|------------|------------------|
| <b>Total</b> | <b>+\$</b> | <b>42,343.30</b> |
|--------------|------------|------------------|

#### Checks

| Check No. | Date Paid | Amount   | Check No. | Date Paid | Amount    |
|-----------|-----------|----------|-----------|-----------|-----------|
| 3146      | Dec. 01   | 4,818.15 | 3153      | Dec. 15   | 21,787.07 |
| 3149      | Dec. 15   | 3,344.63 | 3154      | Dec. 15   | 360.37    |
| 3151      | Dec. 19   | 3,467.17 | 3156      | Dec. 19   | 34,950.00 |
| 3152      | Dec. 19   | 2,330.12 | 3157      | Dec. 28   | 1,478.57  |

|              |            |                  |
|--------------|------------|------------------|
| <b>Total</b> | <b>-\$</b> | <b>72,536.08</b> |
|--------------|------------|------------------|

|                                         |           |                   |
|-----------------------------------------|-----------|-------------------|
| <b>Ending Balance December 30, 2011</b> | <b>\$</b> | <b>101,546.34</b> |
|-----------------------------------------|-----------|-------------------|

Number of days since last statement/interest cycle 31  
Beginning and ending dates for calculation of statement/interest cycle are 12/01/2011 through 12/31/2011  
Average collected balance 117,319.00  
Interest rate 0.10%  
Annual percentage yield earned 0.10%  
Interest earned year to date 123.11

LAKE OZARK - OSAGE BEACH JOINT SEWER BOARD  
CERTIFICATE OF DEPOSIT INTEREST RATE BIDS

Rates Checked on: 01/11/12

| FINANCIAL INSTITUTION | CONTACT  | 3 MONTH<br>RATE             | 6 MONTH<br>RATE             | 12 MONTH<br>RATE            | 15 MONTH<br>RATE |
|-----------------------|----------|-----------------------------|-----------------------------|-----------------------------|------------------|
| CENTRAL BANK          |          |                             | 0.40                        | 0.55                        |                  |
| 1ST NATIONAL BANK     | 348-2761 |                             |                             |                             |                  |
| APY                   | Shawna   |                             | 0.50                        | 0.75                        |                  |
| 1ST BANK OF THE LAKE  | 348-3171 |                             |                             |                             |                  |
| APY                   | Sharon   |                             | 0.15                        | 0.65                        |                  |
| GREAT SOUTHERN        | 348-2265 |                             |                             |                             |                  |
| 1-800-749-7113        | Celeste  |                             | 0.60                        | 0.85                        |                  |
| US BANK               | 348-1795 |                             |                             |                             |                  |
| APY                   |          | *****NO RATE AVIALABLE***** | *****NO RATE AVIALABLE***** | *****NO RATE AVIALABLE***** |                  |
| Providence Bank       | 348-1705 |                             |                             |                             |                  |
|                       | Susie    |                             | 0.40                        | 0.70                        | *1.05            |
|                       | 302-1117 |                             |                             |                             |                  |

\* After first six days, CD can be cashed with accrued interest and no penalty will be assessed.



**WATER RESOURCES®**  
**Alliance**  
Professional Water and Wastewater Operations

**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 November 2011**

Submitted by Alliance Water Resources, Inc. for the

January 2012

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**

|                 | BOD<br>mg/l | TSS<br>mg/l | pH  | Fecal Coliform<br>Colonies/100 ml |
|-----------------|-------------|-------------|-----|-----------------------------------|
| Monthly Average | 1.5         | 0.7         | NA  |                                   |
| Peak Day        | 1.7         | 1.2         | 7.9 |                                   |
| Percent Removal | 99.4        | 99.6        | NA  | NA                                |

### **NPDES EFFLUENT LIMITATIONS**

|                 | BOD<br>mg/l | TSS<br>mg/l | pH  | Fecal Coliform<br>Colonies/100 ml |
|-----------------|-------------|-------------|-----|-----------------------------------|
| 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 1.003 MGD or 33% of Permitted flow with Lake Ozark contributing 19% of the total flow and Osage Beach contributing 81%. 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 60530 pounds of BOD.

### **BIOSOLIDS APPLICATION AND INVENTORY**

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

573,987 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 281,875 gallons with a level of 3.0 feet in Tank 1 and 2.5 feet in Tank 2.



## **WASTEHAULERS**

The plant received 18 loads of septage during the month totaling 45,500 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 changed out 6 UV bulbs on the 2<sup>nd</sup>, which were covered under warranty.
- We pulled, cleaned and stored all the UV modules on the 4<sup>th</sup>.
- We changed out an air cylinder on one of the UV modules on the 8<sup>th</sup>, in preparation of next season.
- We drained, cleaned, inspected and refilled both Clarifiers #1 and 2 during the week of the 14<sup>th</sup>, in preparation for next season.
- We shut down Oxidation Ditch 2 on the 22<sup>nd</sup>, in preparation of the contractor cleaning the grit out.

## **SAFETY**

- We conducted our monthly routine Safety Meeting on Electrical Safety on the 8<sup>th</sup> of November.

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

- Mailed DMR to MDNR on the 8<sup>th</sup> of December.
- We received our 4<sup>th</sup> quarter 503 Regs lab results on the 28<sup>th</sup> and everything looked good. (see attachment)

## **MISCELLANEOUS AND RECOMMENDATIONS**

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

**MONTH OF November 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-Nov                                   |                     | 0.148     | 0.746     | 0.894       | 16.6 | 83.4 |            |            |              |            |            |              |
| 2-Nov                                   |                     | 0.160     | 0.798     | 0.958       | 16.7 | 83.3 |            |            |              |            |            |              |
| 3-Nov                                   | 1.2                 | 0.185     | 1.011     | 1.196       | 15.5 | 84.5 |            |            |              |            |            |              |
| 4-Nov                                   |                     | 0.175     | 0.813     | 0.988       | 17.7 | 82.3 | 162        | 242        | 255          | 124        | 246        | 222          |
| 5-Nov                                   |                     | 0.184     | 0.879     | 1.063       | 17.3 | 82.7 |            |            |              |            |            |              |
| 6-Nov                                   |                     | 0.200     | 0.900     | 1.100       | 18.2 | 81.8 |            |            |              |            |            |              |
| 7-Nov                                   | 1.75                | 0.231     | 1.103     | 1.334       | 17.3 | 82.7 |            |            |              |            |            |              |
| 8-Nov                                   | 1                   | 0.287     | 1.531     | 1.818       | 15.8 | 84.2 |            |            |              |            |            |              |
| 9-Nov                                   | 0.2                 | 0.281     | 1.340     | 1.621       | 17.3 | 82.7 |            |            |              |            |            |              |
| 10-Nov                                  |                     | 0.180     | 0.776     | 0.956       | 18.8 | 81.2 | 74         | 162        | 222          | 50         | 146        | 190          |
| 11-Nov                                  |                     | 0.172     | 0.764     | 0.936       | 18.4 | 81.6 |            |            |              |            |            |              |
| 12-Nov                                  |                     | 0.200     | 0.873     | 1.073       | 18.6 | 81.4 |            |            |              |            |            |              |
| 13-Nov                                  |                     | 0.217     | 0.974     | 1.191       | 18.2 | 81.8 |            |            |              |            |            |              |
| 14-Nov                                  |                     | 0.185     | 0.825     | 1.010       | 18.3 | 81.7 |            |            |              |            |            |              |
| 15-Nov                                  |                     | 0.173     | 0.718     | 0.891       | 19.4 | 80.6 |            |            |              |            |            |              |
| 16-Nov                                  |                     | 0.157     | 0.655     | 0.812       | 19.3 | 80.7 |            |            |              |            |            |              |
| 17-Nov                                  |                     | 0.172     | 0.626     | 0.798       | 21.6 | 78.4 |            |            |              |            |            |              |
| 18-Nov                                  |                     | 0.165     | 0.663     | 0.828       | 19.9 | 80.1 | 142        | 192        | 194          | 54         | 142        | 126          |
| 19-Nov                                  |                     | 0.169     | 0.743     | 0.912       | 18.5 | 81.5 |            |            |              |            |            |              |
| 20-Nov                                  |                     | 0.183     | 0.803     | 0.986       | 18.6 | 81.4 |            |            |              |            |            |              |
| 21-Nov                                  |                     | 0.171     | 0.606     | 0.777       | 22.0 | 78.0 |            |            |              |            |            |              |
| 22-Nov                                  | 0.75                | 0.184     | 0.714     | 0.898       | 20.5 | 79.5 |            |            |              |            |            |              |
| 23-Nov                                  |                     | 0.175     | 0.657     | 0.832       | 21.0 | 79.0 | 216        | 304        | 294          | 154        | 226        | 232          |
| 24-Nov                                  |                     | 0.170     | 0.620     | 0.790       | 21.5 | 78.5 |            |            |              |            |            |              |
| 25-Nov                                  |                     | 0.156     | 0.617     | 0.773       | 20.2 | 79.8 |            |            |              |            |            |              |
| 26-Nov                                  |                     | 0.194     | 0.868     | 1.062       | 18.3 | 81.7 |            |            |              |            |            |              |
| 27-Nov                                  | 0.7                 | 0.228     | 0.988     | 1.216       | 18.8 | 81.3 |            |            |              |            |            |              |
| 28-Nov                                  |                     | 0.171     | 0.684     | 0.855       | 20.0 | 80.0 |            |            |              |            |            |              |
| 29-Nov                                  |                     | 0.159     | 0.593     | 0.752       | 21.1 | 78.9 |            |            |              |            |            |              |
| 30-Nov                                  |                     | 0.157     | 0.607     | 0.764       | 20.5 | 79.5 |            |            |              |            |            |              |
|                                         |                     |           |           |             |      |      |            |            |              |            |            |              |
|                                         |                     |           |           |             |      |      |            |            |              |            |            |              |
| SUM                                     | 5.6                 | 5.589     | 24.495    | 30.084      |      |      |            |            |              |            |            |              |
|                                         |                     |           |           |             |      |      |            |            |              |            |            |              |
| AVG                                     |                     | 0.186     | 0.817     | 1.003       | 19   | 81   | 149        | 225        | 241          | 96         | 190        | 193          |
| NOTE: BOLD PRINT INDICATES WEEKEND DAYS |                     |           |           |             |      |      |            |            |              |            |            |              |

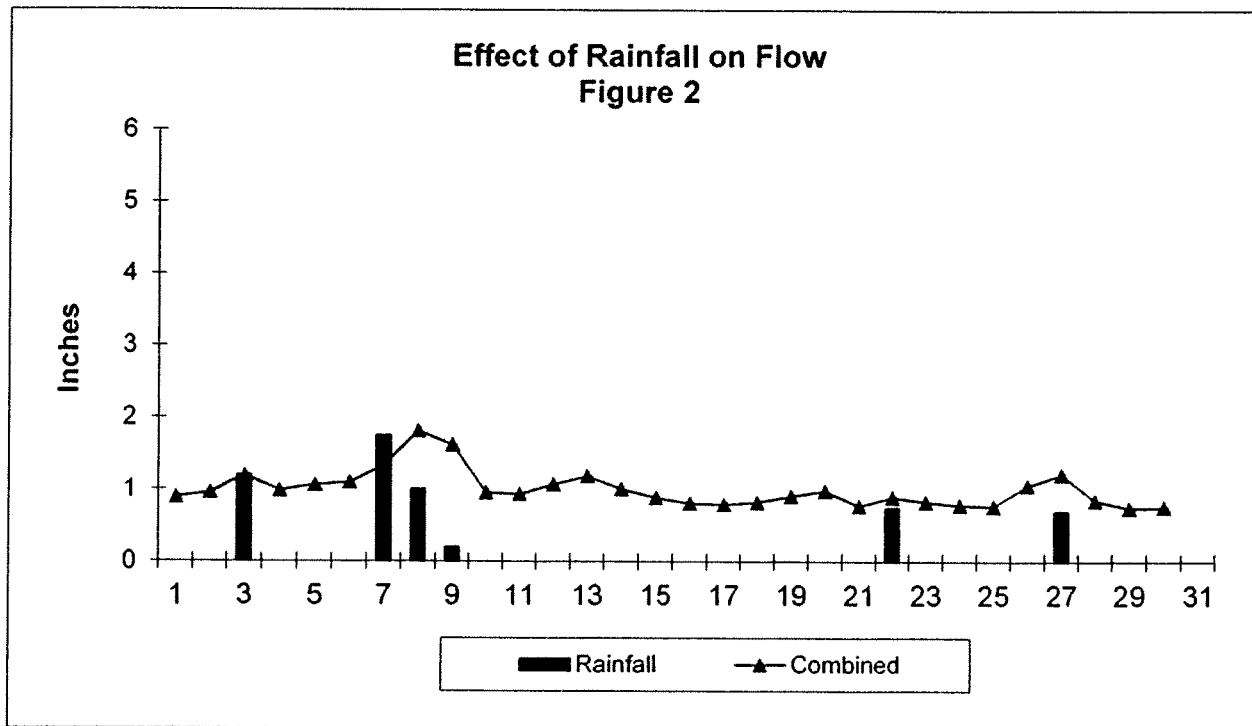
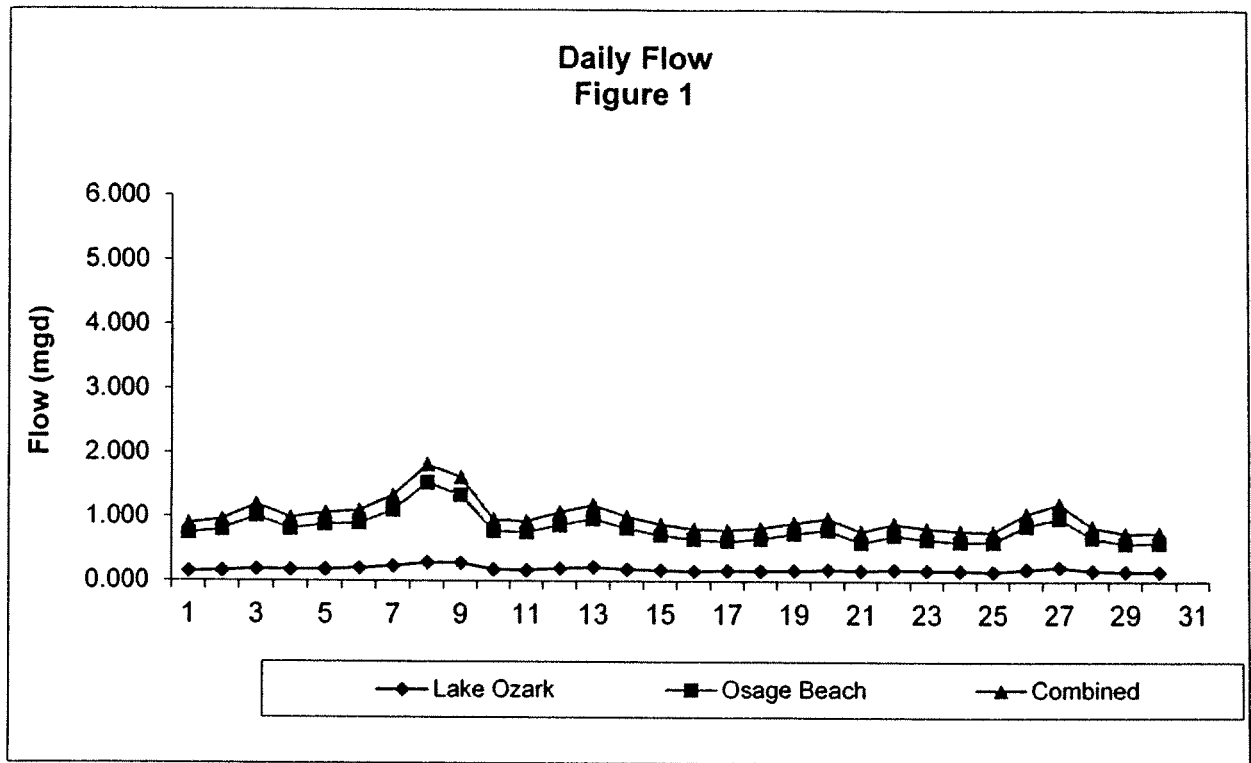


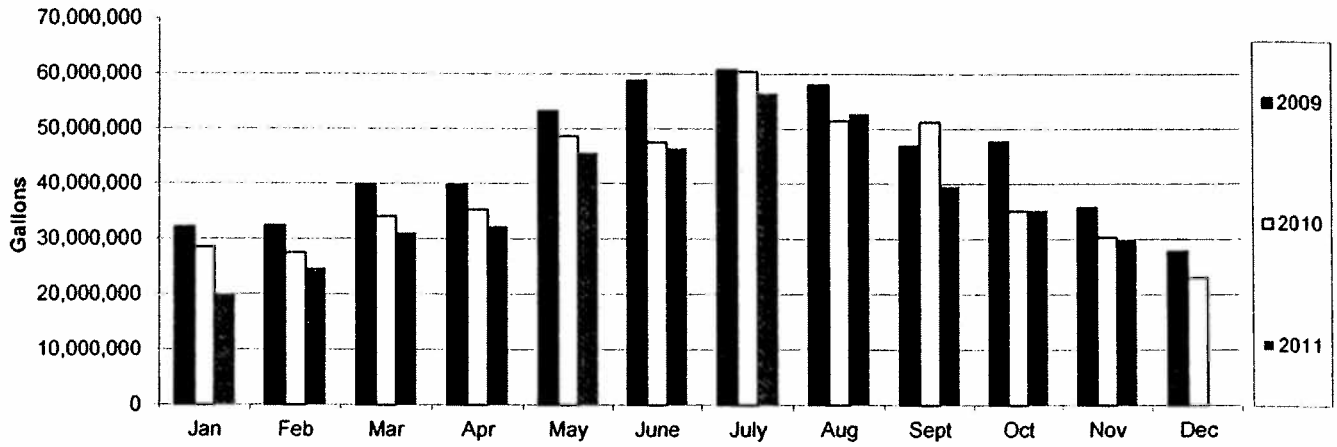
TABLE B  
JOINT SEWER BOARD  
Monthly Flows

| <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%     |
| <hr/>       |                 |                    |     |                   |     |              |          |
|             | 67.0            | 448,775,000        | 84% | 79,464,000        | 16% | 534,126,000  | 100%     |
| <hr/>       |                 |                    |     |                   |     |              |          |

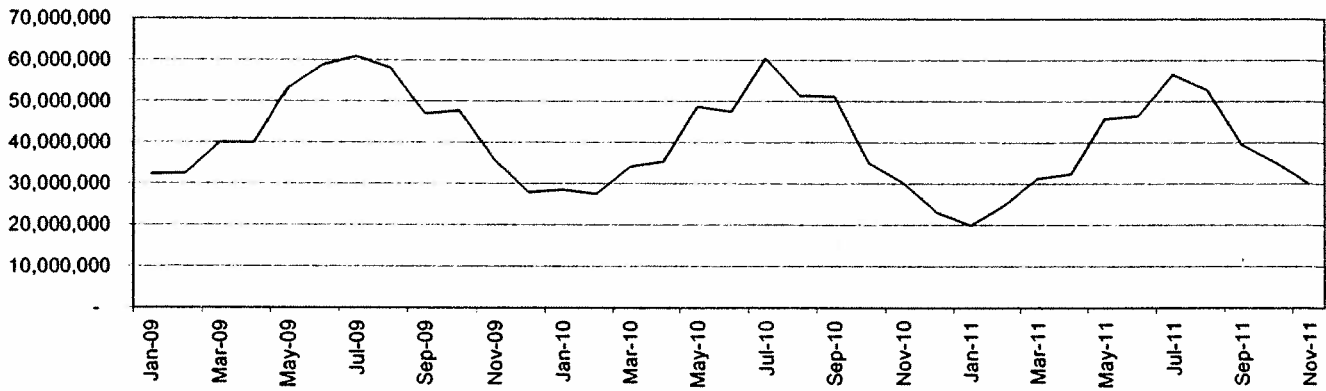
| <u>2010</u> | <u>RAINFALL</u> | <u>OSAGE BEACH</u> |     | <u>LAKE OZARK</u> |     | <u>TOTAL</u> | <u>%</u> |
|-------------|-----------------|--------------------|-----|-------------------|-----|--------------|----------|
| January     | 3.6             | 22,407,000         | 78% | 6,144,000         | 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%     |
| <hr/>       |                 |                    |     |                   |     |              |          |
|             | 55.9            | 389,102,000        | 82% | 80,008,000        | 18% | 473,536,000  | 100%     |
| <hr/>       |                 |                    |     |                   |     |              |          |

| <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      | 6.5             | 44,175,000         | 84% | 8,704,000         | 16% | 52,879,000   | 100%     |
| September   | 2.7             | 32,672,000         | 82% | 6,999,000         | 18% | 39,671,000   | 100%     |
| October     | 2.3             | 28,932,000         | 82% | 6,388,000         | 18% | 35,320,000   | 100%     |
| November    | 5.6             | 24,495,000         | 81% | 5,589,000         | 19% | 30,084,000   | 100%     |
| December    |                 |                    |     |                   |     |              |          |
| <hr/>       |                 |                    |     |                   |     |              |          |
|             | 48.6            | 340,281,000        | 81% | 75,087,000        | 19% | 415,368,000  | 100%     |
| <hr/>       |                 |                    |     |                   |     |              |          |

Monthly Influent Flow  
Figure 3A

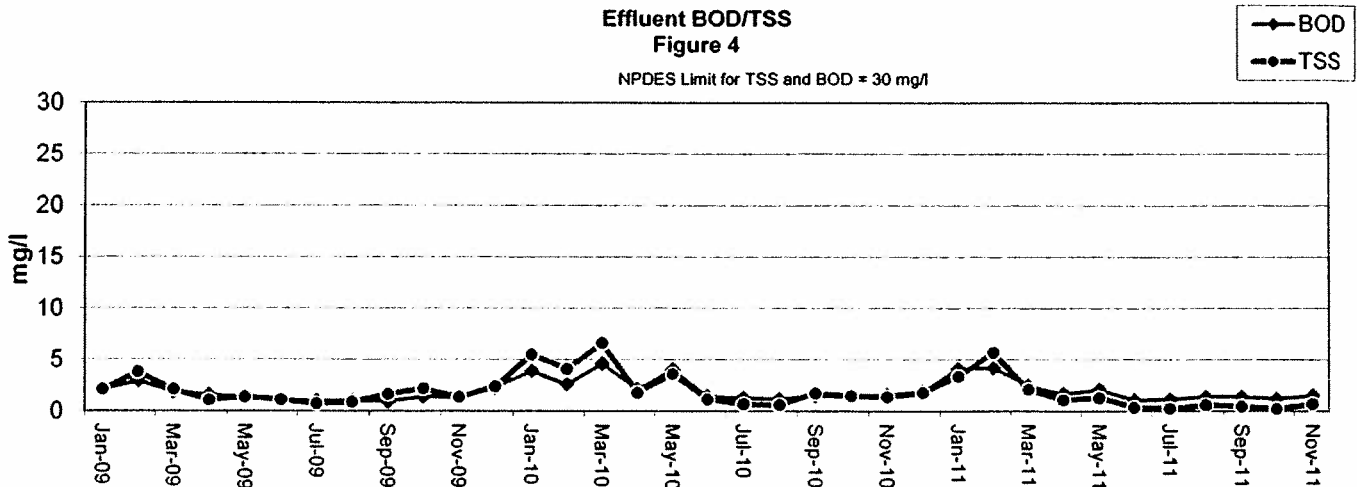


Monthly Influent Flow  
Figure 3B

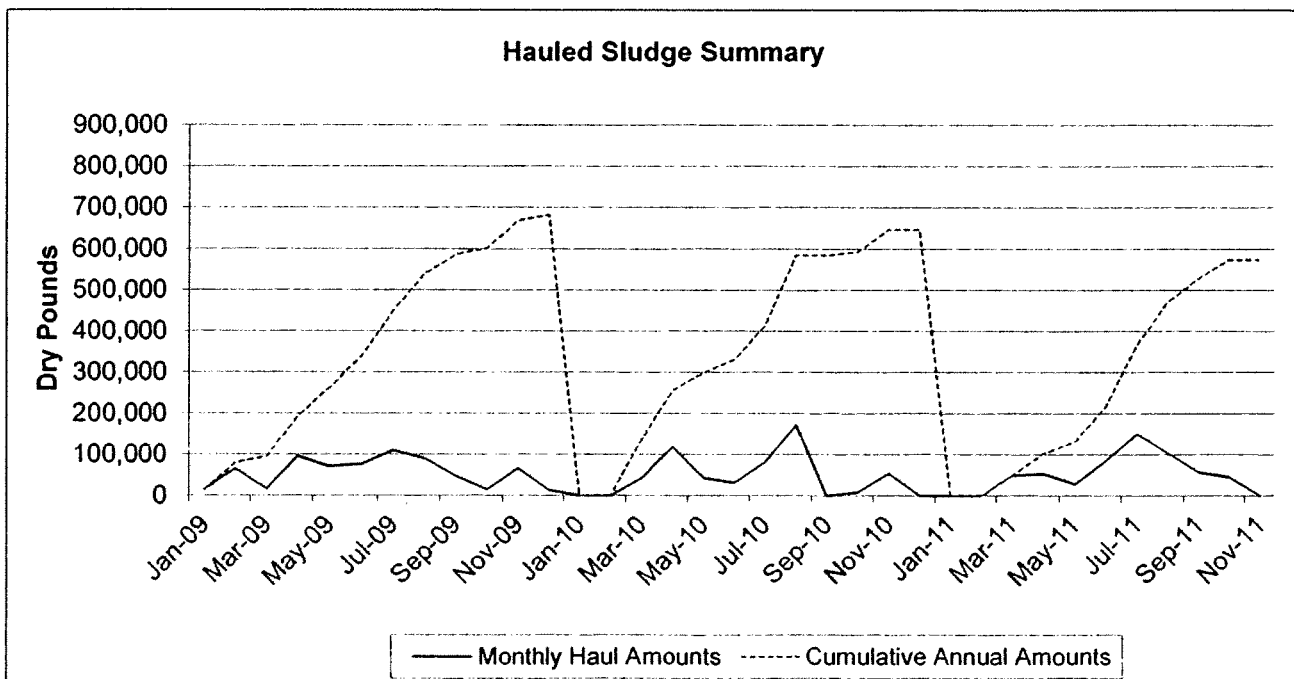
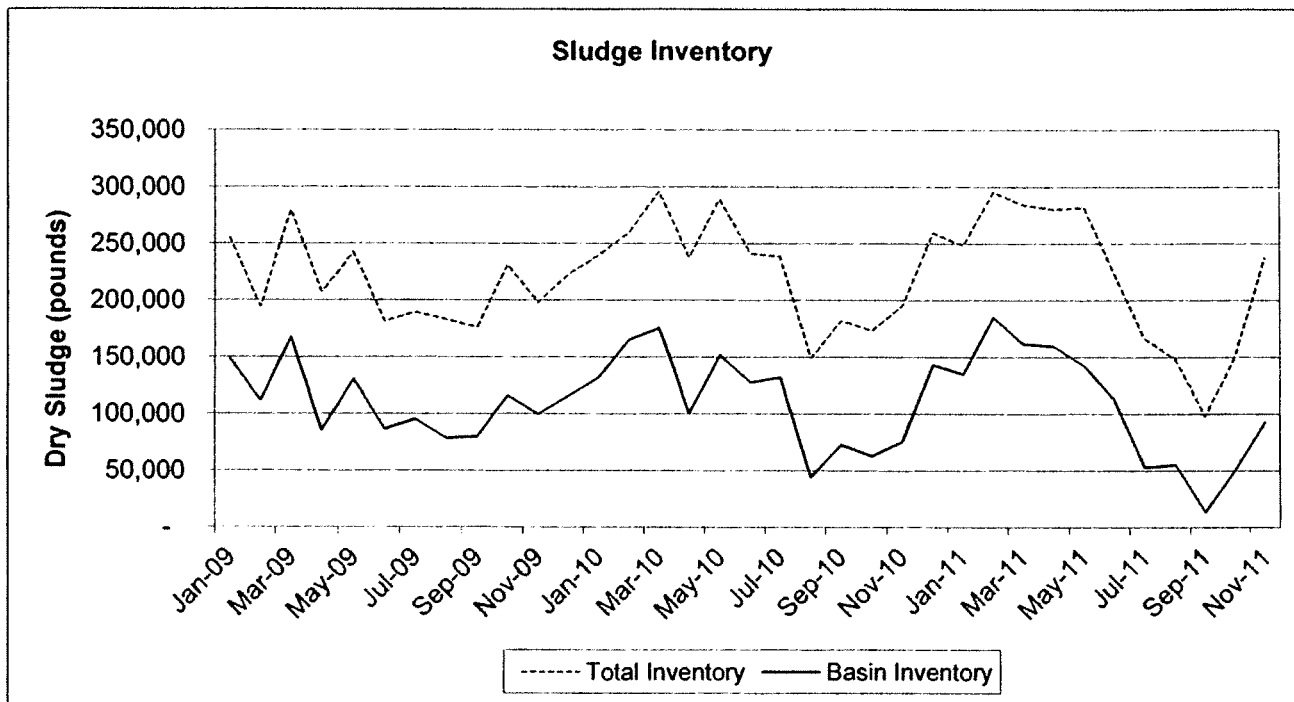


Effluent BOD/TSS  
Figure 4

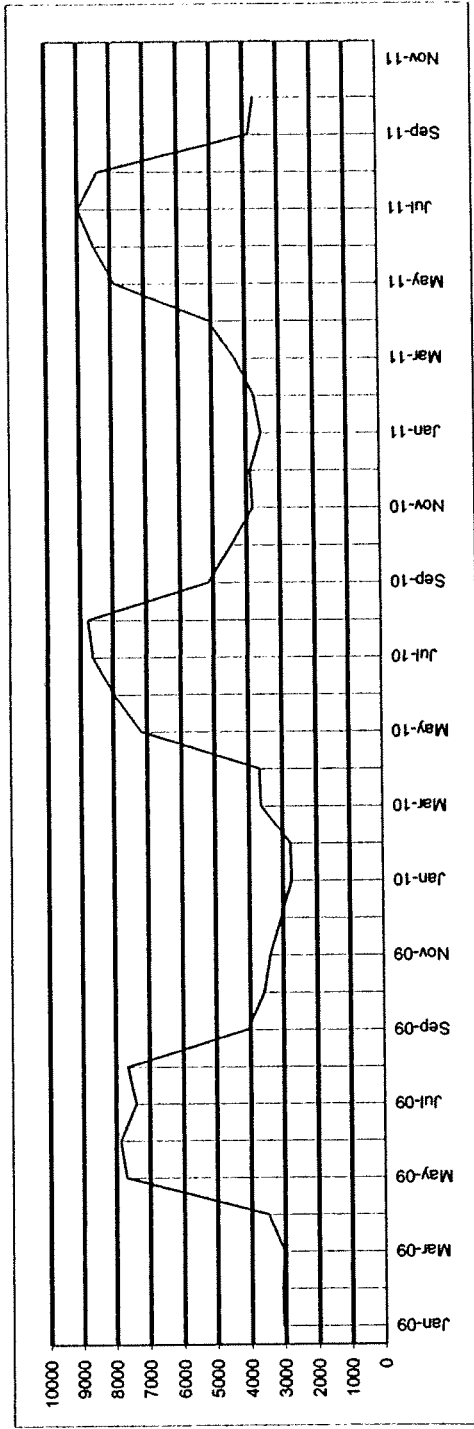
NPDES Limit for TSS and BOD = 30 mg/l



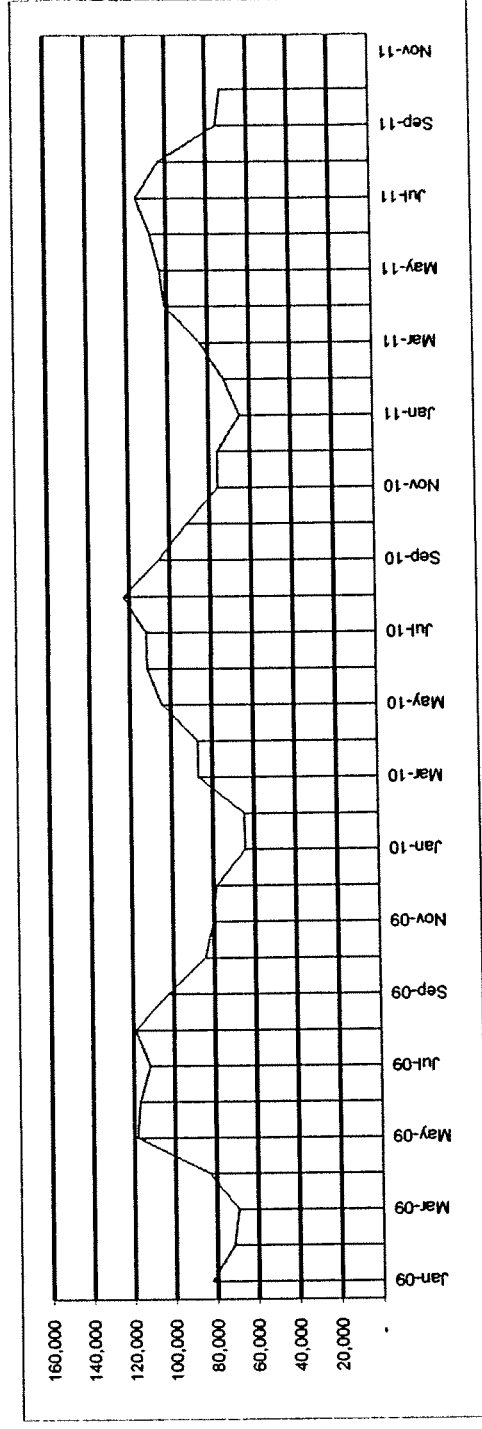
|        | Loads | Gallons | Hauled Sludge |          | Annual Cumulative # Dry | Basin Depths |         |       | # Dry   | Blanket Depths |          |          | MLSS Inventory |            |            | Blanket and MLSS Inventory |         |          | MLSS             |  | Total Dry |
|--------|-------|---------|---------------|----------|-------------------------|--------------|---------|-------|---------|----------------|----------|----------|----------------|------------|------------|----------------------------|---------|----------|------------------|--|-----------|
|        |       |         | # Dry         | % Solids |                         | Tank #1      | Tank #2 | AB #1 |         | Basin Gallons  | Clart #1 | Clart #2 | Clart #3       | MLSS AB #1 | MLSS AB #2 | Gallons                    | # Dry   | % 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      | 3,660      | 3,617,762                  | 106,800 | 0.00354  | 253,056          |  |           |
| Feb-09 | 53    | 196,100 | 65,018        | 4.0%     | 79,645                  | 5.0          | 2.5     | 0.0   | 337,500 | 111,900        | 0.0      | 0.5      | 0.0            | 1,840      | 3,640      | 3,608,861                  | 82,469  | 0.00274  | 194,369          |  |           |
| Mar-09 | 12    | 44,400  | 15,738        | 4.3%     | 95,383                  | 5.5          | 5.0     | 0.0   | 472,500 | 167,482        | 1.0      | 1.0      | 0.5            | 3,330      | 4,110      | 3,657,238                  | 112,855 | 0.00337  | 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            | 4,280      | 3,360      | 3,696,714                  | 122,089 | 0.00398  | 207,549          |  |           |
| May-09 | 53    | 196,100 | 71,251        | 4.4%     | 262,666                 | 5.5          | 2.5     | 0.0   | 360,000 | 130,602        | 1.0      | 1.0      | 1.0            | 3,380      | 3,350      | 3,678,952                  | 111,981 | 0.00365  | 242,793          |  |           |
| Jun-09 | 70    | 259,000 | 78,875        | 3.6%     | 339,541                 | 4.5          | 2.0     | 0.0   | 292,500 | 98,818         | 0.5      | 1.0      | 2.5            | 3,180      | 2,890      | 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         | 0.0      | 1.0      | 4.0            | 3,040      | 2,910      | 3,791,474                  | 94,072  | 0.00298  | 188,635          |  |           |
| 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            | 2,910      | 3,890      | 3,678,952                  | 104,320 | 0.0034   | 182,989          |  |           |
| Sep-09 | 43    | 159,100 | 47,213        | 3.6%     | 587,330                 | 6.0          | 0.0     | 0.0   | 270,000 | 80,123         | 0.5      | 0.5      | 0.0            | 3,750      | 2,620      | 3,617,762                  | 96,098  | 0.00318  | 176,221          |  |           |
| Oct-09 | 13    | 48,100  | 14,626        | 3.6%     | 601,958                 | 6.5          | 2.0     | 0.0   | 382,500 | 116,309        | 1.0      | 1.0      | 0.0            | 3,040      | 3,720      | 3,635,524                  | 115,217 | 0.00338  | 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      | 1.0      | 0.0            | 2,840      | 3,820      | 3,653,286                  | 98,413  | 0.00323  | 198,242          |  |           |
| Dec-09 | 10    | 37,000  | 13,577        | 4.4%     | 682,371                 | 5.0          | 2.0     | 0.0   | 315,000 | 115,588        | 2.0      | 2.0      | 1.0            | 3,320      | 3,600      | 3,714,476                  | 107,186 | 0.00346  | 222,774          |  |           |
| Jan-10 | 0     | -       | -             | 4.4%     | -                       | 5.0          | 3.0     | 0.0   | 360,000 | 132,106        | 1.0      | 1.0      | 0.0            | 3,310      | 2,910      | 3,653,286                  | 94,757  | 0.00311  | 239,743          |  |           |
| Feb-10 | 0     | -       | -             | 4.4%     | -                       | 5.0          | 5.0     | 0.0   | 450,000 | 165,132        | 2.0      | 1.0      | 0.0            | 3,340      | 3,890      | 3,682,904                  | 120,251 | 0.00392  | 296,109          |  |           |
| Mar-10 | 37    | 136,900 | 42,800        | 3.7%     | 136,900                 | 7.0          | 5.5     | 0.0   | 562,500 | 175,858        | 1.0      | 0.0      | 1.5            | 3,940      | 4,380      | 3,731,261                  | 137,234 | 0.00441  | 237,818          |  |           |
| Apr-10 | 101   | 373,700 | 119,328       | 3.8%     | 256,228                 | 6.0          | 1.0     | 0.0   | 315,000 | 100,584        | 1.0      | 1.5      | 2.0            | 4,440      | 4,360      | 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 | 151,997        | 1.5      | 4.5      | 2.0            | 3,930      | 4,750      | 3,678,952                  | 113,632 | 0.00371  | 241,559          |  |           |
| Jun-10 | 30    | 111,000 | 31,506        | 3.4%     | 330,781                 | 7.0          | 3.0     | 0.0   | 450,000 | 127,727        | 1.0      | 1.0      | 1.0            | 3,650      | 3,770      | 3,696,714                  | 106,396 | 0.00345  | 238,692          |  |           |
| Jul-10 | 68    | 251,600 | 82,206        | 3.9%     | 412,987                 | 8.0          | 1.0     | 0.0   | 405,000 | 132,327        | 1.0      | 2.0      | 1.0            | 3,650      | 3,250      | 3,696,714                  | 106,396 | 0.00345  | 238,692          |  |           |
| Aug-10 | 141   | 521,700 | 171,540       | 3.9%     | 584,527                 | 3.0          | 0.0     | 0.0   | 135,000 | 44,389         | 2.5      | 1.5      | 1.0            | 3,250      | 3,520      | 3,714,476                  | 104,708 | 0.00338  | 148,097          |  |           |
| Sep-10 | 0     | -       | -             | 3.8%     | 584,527                 | 2.5          | 2.5     | 0.0   | 225,000 | 73,184         | 2.0      | 2.0      | 1.0            | 3,300      | 3,750      | 3,714,476                  | 109,045 | 0.00352  | 162,228          |  |           |
| 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            | 3,460      | 3,680      | 3,704,618                  | 110,301 | 0.00357  | 173,603          |  |           |
| Nov-10 | 39    | 144,300 | 54,094        | 4.5%     | 647,138                 | 4.5          | 0.0     | 0.0   | 382,500 | 75,912         | 1.5      | 2.5      | 1.5            | 4,050      | 3,640      | 3,736,180                  | 118,654 | 0.00384  | 195,565          |  |           |
| Dec-10 | 0     | -       | -             | 4.5%     | -                       | 4.5          | 4.0     | 0.0   | 360,000 | 143,552        | 2.0      | 2.0      | 0.0            | 3,700      | 3,890      | 3,671,048                  | 116,037 | 0.00379  | 259,589          |  |           |
| Jan-11 | 0     | -       | -             | 4.5%     | -                       | 5.5          | 2.5     | 0.0   | 495,000 | 135,108        | 2.0      | 2.0      | 0.0            | 3,520      | 3,590      | 3,678,929                  | 113,495 | 0.00373  | 248,603          |  |           |
| Feb-11 | 0     | -       | -             | 4.5%     | -                       | 6.0          | 5.0     | 0.0   | 495,000 | 165,774        | 2.5      | 2.0      | 0.0            | 3,580      | 3,580      | 3,678,929                  | 113,495 | 0.00373  | 248,603          |  |           |
| Mar-11 | 43    | 159,100 | 49,803        | 3.8%     | 49,803                  | 7.5          | 4.0     | 0.0   | 517,500 | 161,993        | 1.0      | 1.0      | 0.5            | 4,100      | 3,940      | 3,657,238                  | 122,615 | 0.00402  | 284,608          |  |           |
| Apr-11 | 45    | 166,500 | 53,692        | 3.9%     | 103,495                 | 7.0          | 4.0     | 0.0   | 495,000 | 159,625        | 2.0      | 3.0      | 2.0            | 3,130      | 4,540      | 3,775,666                  | 120,781 | 0.00384  | 280,385          |  |           |
| May-11 | 24    | 88,900  | 28,051        | 3.8%     | 131,546                 | 5.5          | 4.5     | 0.0   | 450,000 | 142,150        | 2.0      | 2.0      | 2.5            | 4,960      | 3,920      | 3,779,618                  | 139,958 | 0.00444  | 282,108          |  |           |
| Jun-11 | 78    | 288,600 | 85,043        | 3.5%     | 216,589                 | 3.5          | 5.0     | 0.0   | 382,500 | 112,713        | 3.0      | 2.0      | 2.0            | 3,500      | 3,560      | 3,775,666                  | 111,166 | 0.00353  | 223,869          |  |           |
| Jul-11 | 138   | 510,600 | 150,712       | 3.5%     | 367,301                 | 4.0          | 0.0     | 0.0   | 180,000 | 53,130         | 1.5      | 2.5      | 1.0            | 3,740      | 3,550      | 3,714,476                  | 112,917 | 0.00365  | 166,047          |  |           |
| Aug-11 | 91    | 336,700 | 103,837       | 3.7%     | 471,138                 | 2.0          | 2.0     | 0.0   | 180,000 | 55,511         | 2.0      | 2.0      | 1.5            | 2,840      | 3,110      | 3,736,180                  | 92,700  | 0.00298  | 148,212          |  |           |
| Sep-11 | 52    | 192,400 | 57,488        | 3.6%     | 528,626                 | 0.0          | 1.0     | 0.0   | 45,000  | 13,446         | 2.5      | 2.5      | 1.5            | 2,530      | 2,900      | 3,753,952                  | 85,001  | 0.00272  | 98,447           |  |           |
| Oct-11 | 33    | 122,100 | 45,361        | 4.5%     | 573,987                 | 0.0          | 3.0     | 0.0   | 135,000 | 50,153         | 2.0      | 2.5      | 1.0            | 3,470      | 2,940      | 3,723,357                  | 99,524  | 0.00321  | 149,678          |  |           |
| Nov-11 | 0     | -       | -             | 4.5%     | 573,987                 | 3.0          | 2.5     | 0.0   | 247,500 | 92,887         | 2.0      | 3.0      | 2.0            | 4,610      |            | 3,775,666                  | 144,850 | 0.0046   | 237,756          |  |           |



# Electric Cost



# Kilowatts Used



| 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        |
| Jul-11 | 8983          | 114,906        |
| Aug-11 | 8382          | 103,698        |
| Sep-11 | 3848          | 75,430         |
| Oct-11 | 3697          | 73,005         |





**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                                  |                         |            |                               |            |               |             |  |
| Nov-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         |               |             | 17.2       | 1.237       | 7.8                     |             |                                                          |                         | 7.6        |                               | 14.7       |               |             |  |
| 2                                   | 7.3         |               |             | 18.7       | 1.328       | 7.8                     |             |                                                          |                         | 5.7        |                               | 15.3       |               |             |  |
| 3                                   | 7.4         |               |             | 17.9       | 1.536       | 7.8                     |             |                                                          | 0.04                    | 5.4        |                               | 15         |               |             |  |
| 4                                   | 7.5         | 255           | 222         | 16.9       | 1.494       | 7.9                     | 1.3         | 0.4                                                      |                         | 7.9        |                               | 14.4       | 99.5          | 99.8        |  |
| 5                                   | 7.5         |               |             | 16.9       | 1.306       | 7.8                     |             |                                                          |                         | 7.8        |                               | 14.6       |               |             |  |
| 6                                   | 7.5         |               |             | 17.9       | 1.511       | 7.8                     |             |                                                          |                         | 7.4        |                               | 15.1       |               |             |  |
| 7                                   | 7.4         |               |             | 18         | 1.730       | 7.8                     |             |                                                          |                         | 5.1        |                               | 16.1       |               |             |  |
| 8                                   | 7.4         |               |             | 17.9       | 2.141       | 7.7                     |             |                                                          |                         | 5.7        |                               | 16.7       |               |             |  |
| 9                                   | 7.3         |               |             | 16.8       | 2.096       | 7.8                     |             |                                                          | 0.02                    | 5.7        |                               | 15.3       |               |             |  |
| 10                                  | 7.4         | 222           | 190         | 16.6       | 1.382       | 7.8                     | 1.5         | 0.4                                                      |                         | 6.1        |                               | 14.8       | 99.3          | 99.8        |  |
| 11                                  | 7.3         |               |             | 15.4       | 1.374       | 7.8                     |             |                                                          |                         | 6.2        |                               | 13.8       |               |             |  |
| 12                                  | 7.2         |               |             | 16.4       | 1.392       | 7.8                     |             |                                                          |                         | 6.0        |                               | 13.3       |               |             |  |
| 13                                  | 7.3         |               |             | 17         | 1.566       | 7.8                     |             |                                                          |                         | 6.9        |                               | 14.6       |               |             |  |
| 14                                  | 7.4         |               |             | 18.1       | 1.301       | 5.7                     |             |                                                          |                         | 5.7        |                               | 15.8       |               |             |  |
| 15                                  | 7.4         |               |             | 16.3       | 1.512       | 7.8                     |             |                                                          |                         | 6.0        |                               | 14.6       |               |             |  |
| 16                                  | 7.5         |               |             | 15.3       | 0.884       | 7.8                     |             |                                                          |                         | 5.9        |                               | 14.5       |               |             |  |
| 17                                  | 7.4         |               |             | 15.2       | 1.318       | 7.8                     |             |                                                          | 0.07                    | 7.0        |                               | 13         |               |             |  |
| 18                                  | 7.3         | 194           | 126         | 15.6       | 1.349       | 7.8                     | 1.5         | 0.8                                                      |                         | 7.3        |                               | 12         | 99.2          | 99.4        |  |
| 19                                  | 7.4         |               |             | 16.6       | 1.193       | 7.8                     |             |                                                          |                         | 7.8        |                               | 13.1       |               |             |  |
| 20                                  | 7.3         |               |             | 15.3       | 1.176       | 7.8                     |             |                                                          |                         | 7.2        |                               | 12.5       |               |             |  |
| 21                                  | 7.5         |               |             | 15.8       | 1.229       | 7.9                     |             |                                                          |                         | 8.5        |                               | 13.1       |               |             |  |
| 22                                  | 7.4         |               |             | 15.8       | 1.353       | 7.8                     |             |                                                          | 0.08                    | 7.2        |                               | 12.8       |               |             |  |
| 23                                  | 7.3         | 294           | 232         | 13.3       | 2.586       | 7.7                     | 1.7         | 1.2                                                      |                         | 5.9        |                               | 13.3       | 99.4          | 99.5        |  |
| 24                                  | 7.2         |               |             | 15.1       | 1.471       | 7.8                     |             |                                                          |                         | 7.1        |                               | 12.9       |               |             |  |
| 25                                  | 7.2         |               |             | 14.5       | 1.135       | 7.9                     |             |                                                          |                         | 6.2        |                               | 13.3       |               |             |  |
| 26                                  | 7.3         |               |             | 15.4       | 1.314       | 7.8                     |             |                                                          |                         | 6.7        |                               | 14.2       |               |             |  |
| 27                                  | 7.3         |               |             | 13.7       | 1.701       | 7.9                     |             |                                                          |                         | 7.2        |                               | 12.5       |               |             |  |
| 28                                  | 7.2         |               |             | 13.7       | 1.340       | 7.8                     |             |                                                          |                         | 5.3        |                               | 12.3       |               |             |  |
| 29                                  | 7.3         |               |             | 13.9       | 1.248       | 7.9                     |             |                                                          |                         | 5.7        |                               | 12.2       |               |             |  |
| 30                                  | 7.3         |               |             | 13.9       | 1.192       | 7.8                     |             |                                                          |                         | 5.4        |                               | 11.1       |               |             |  |
|                                     |             |               |             |            |             |                         |             |                                                          |                         |            |                               |            |               |             |  |
| Total                               |             |               |             |            | 43.395      |                         |             |                                                          |                         |            |                               |            |               |             |  |
| Avg                                 |             | 241           | 193         | 16         | 1.447       |                         | 1.5         | 0.7                                                      | 0.1                     | 6.5        | 0.0                           | 13.9       | 99.4          | 99.6        |  |
| Min                                 | 7.2         | 194           | 126         | 13         | 0.884       | 5.7                     | 1.3         | 0.4                                                      | 0.0                     | 5.1        | 0.0                           | 11.1       | 99.2          | 99.4        |  |
| Max                                 | 7.5         | 294           | 232         | 19         | 2.586       | 7.9                     | 1.7         | 1.2                                                      | 0.1                     | 8.5        | 0.0                           | 16.7       | 99.5          | 99.8        |  |

| 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                           | < 5.0                |                               |              |
| 8                           |                      |                               |              |
| 9                           |                      |                               |              |
| 10                          |                      |                               |              |
| 11                          |                      |                               |              |
| 12                          |                      |                               |              |
| 13                          |                      |                               |              |
| 14                          |                      |                               |              |
| 15                          |                      |                               |              |
| 16                          |                      |                               |              |
| 17                          |                      |                               |              |
| 18                          |                      |                               |              |
| 19                          |                      |                               |              |
| 20                          |                      |                               |              |
| 21                          |                      |                               |              |
| 22                          |                      |                               |              |
| 23                          |                      |                               |              |
| 24                          |                      |                               |              |
| 25                          |                      |                               |              |
| 26                          |                      |                               |              |
| 27                          |                      |                               |              |
| 28                          |                      |                               |              |
| 29                          |                      |                               |              |
| 30                          |                      |                               |              |
|                             |                      |                               |              |
| Total                       |                      |                               |              |
| Avg                         | < 5.0                | 0.00                          | 0.00         |
| Min                         | < 5.0                | 0.00                          | 0.00         |
| Max                         | < 5.0                | 0.00                          | 0.00         |

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

| DATE | SLUDGE<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                     |                 |                |             | * Ambient<br>Temp<br>° F | *RAIN<br>inches | Time |
|      |                                       | * DO<br>mg/l                     | ** MLSS<br>mg/l | *Settleability |             | * DO<br>mg/l                     | ** MLSS<br>mg/l | *Settleability |             |                          |                 |      |
|      |                                       |                                  |                 | *30 min<br>ml  | Temp<br>° C |                                  |                 | *30 min<br>ml  | Temp<br>° C |                          |                 |      |
|      |                                       |                                  |                 |                |             |                                  |                 |                |             |                          |                 |      |
| 1    |                                       | 4.6                              | 3,070           | 300            | 14.5        | 4                                | 3,320           | 350            | 14.7        | 42                       |                 | 7:30 |
| 2    |                                       | 2.4                              | 2,860           | 340            | 15.7        | 2.7                              | 3,420           | 400            | 15.7        | 55                       |                 | 7:30 |
| 3    |                                       | 1.5                              | 2,960           | 260            | 15          | 1                                | 3,750           | 410            | 15.2        | 42                       | 1.2             | 7:30 |
| 4    |                                       | 4.3                              | 3,650           | 450            | 14.4        | 3.4                              | 2,940           | 320            | 14.5        | 42                       |                 | 7:30 |
| 5    |                                       | 5.3                              | 3,660           | 430            | 14.9        | 4.2                              | 2,630           | 280            | 15          | 48                       |                 | 7:30 |
| 6    |                                       | 2.7                              | 3,240           | 350            | 15.6        | 3.7                              | 3,100           | 330            | 15.4        | 59                       |                 | 7:30 |
| 7    |                                       | 0.9                              | 3,060           | 350            | 16.8        | 1.1                              | 3,240           | 340            | 16.4        | 59                       | 1.75            | 7:30 |
| 8    |                                       | 1.1                              | 3,350           | 350            | 16.9        | 1.3                              | 2,610           | 250            | 17          | 60                       | 1               | 7:30 |
| 9    |                                       | 1.1                              | 3,720           | 410            | 15.1        | 2.6                              | 2,980           | 280            | 15.6        | 42                       | 0.2             | 7:30 |
| 10   |                                       | 3.3                              | 3,150           | 350            | 14.6        | 4.4                              | 3,290           | 370            | 14.6        | 40                       |                 | 7:30 |
| 11   |                                       | 3.8                              | 2,820           | 290            | 13.2        | 3.3                              | 3,640           | 400            | 13          | 33                       |                 | 7:30 |
| 12   |                                       | 3.1                              | 2,980           | 290            | 13.6        | 3.6                              | 3,300           | 410            | 13.5        | 42                       |                 | 7:30 |
| 13   |                                       | 2.5                              | 3,270           | 330            | 14.8        | 3.1                              | 3,430           | 400            | 15          | 63                       |                 | 7:30 |
| 14   |                                       | 2.3                              | 3,310           | 360            | 16.5        | 2.4                              | 3,260           | 370            | 16.1        | 68                       |                 | 7:30 |
| 15   |                                       | 1.9                              | 3,370           | 400            | 14.8        | 3.2                              | 3,130           | 380            | 14.7        | 45                       |                 | 7:30 |
| 16   |                                       | 2.3                              | 3,790           | 480            | 14.4        | 3.6                              | 3,000           | 330            | 14.4        | 43                       |                 | 7:30 |
| 17   |                                       | 3.7                              | 3,050           | 350            | 12.7        | 6.1                              | 3,050           | 390            | 12.5        | 31                       |                 | 7:30 |
| 18   |                                       | 3.8                              | 2,710           | 280            | 12.5        | 4.9                              | 3,690           | 530            | 12.4        | 35                       |                 | 7:30 |
| 19   |                                       | 5.0                              | 2,940           | 340            | 13.7        | 5.2                              | 2,930           | 380            | 13.3        | 54                       |                 | 7:30 |
| 20   |                                       | 3.8                              | 3,290           | 390            | 13          | 4.7                              | 3,000           | 380            | 12.8        | 42                       |                 | 7:30 |
| 21   |                                       | 5.2                              | 3,080           | 360            | 13.3        | 5.9                              | 3,170           | 400            | 13.1        | 43                       |                 | 7:30 |
| 22   |                                       | 5.1                              | 4,150           | 570            | 12.9        | 2.5                              | 2,200           | 250            | 13.2        | 46                       | 0.75            | 7:30 |
| 23   |                                       | 2.1                              | 3,710           | 510            | 13.7        |                                  |                 |                |             | 47                       |                 | 7:30 |
| 24   |                                       | 0.8                              | 5,050           | 770            | 13.5        |                                  |                 |                |             | 46                       |                 | 7:30 |
| 25   |                                       | 0.8                              | 5,000           | 800            | 13.6        |                                  |                 |                |             | 42                       |                 | 7:30 |
| 26   |                                       | 1.0                              | 4,310           | 650            | 14.4        |                                  |                 |                |             | 57                       |                 | 7:30 |
| 27   |                                       | 0.9                              | 4,210           | 700            | 12.9        |                                  |                 |                |             | 38                       | 0.7             | 7:30 |
| 28   |                                       | 0.8                              | 4,560           | 770            | 12.3        |                                  |                 |                |             | 38                       |                 | 7:30 |
| 29   |                                       | 0.8                              | 4,530           | 750            | 12.6        |                                  |                 |                |             | 33                       |                 | 7:30 |
| 30   |                                       | 1.2                              | 4,610           | 780            | 11.2        |                                  |                 |                |             | 24                       |                 | 7:30 |
|      |                                       |                                  |                 |                |             |                                  |                 |                |             |                          |                 |      |

**COMMENTS:**

We took oxidation ditch #2 off line on the 22nd for maintenance.

|                                               |                                     |                          |                   |
|-----------------------------------------------|-------------------------------------|--------------------------|-------------------|
| TESTS PERFORMED BY (PRINT)<br>Frank Hendricks | SIGNATURE<br><i>Frank Hendricks</i> | PHONE #<br>(573)365-0455 | DATE<br>12/6/2011 |
| REPORT APPROVED BY (PRINT)<br>Gary Hutchcraft | SIGNATURE<br><i>Gary Hutchcraft</i> | PHONE #<br>(573)365-0455 | DATE<br>12/6/2011 |

\*Required Daily (Monday - Friday)

P. 49

\*\*Required 1/week



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

Prepared by GH, FH, JH

Approved by \_\_\_\_\_ GH

Date \_\_\_\_\_

P.51



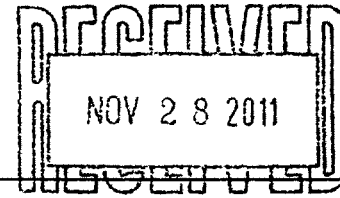
# Environmental Analysis South, Inc

4000 East Jackson Blvd. - Jackson MO 63755 - 573-204-8817 - Fax 573-204-8818

Lake Ozark Regional WWTP  
Alliance Lake of the Ozarks  
P. O. Box 1985  
Lake Ozarks, MO 65049

Report Number: 115139

## Report of Analysis



### Reference:

The analysis of biosolids from wastewater treatment facilities is conducted in accordance with 40 CFR Part 503.

Log Number: 1402628      Sample Description: Quarterly Sludge      Sample Date: 10/18/2011      Sample Received Date: 10/19/2011

### Coli S

| Test Description         | Result | Units | Method       | Comment Code | Analysis Date | Analyst |
|--------------------------|--------|-------|--------------|--------------|---------------|---------|
| Fecal Coliform In Sludge | 17100  | CFU/g | SM-9222 D-97 |              | 10/19/11      | 133     |
| Total Solids Average     | 2.27   | % w/w | SM-2540 G-97 |              | 10/19/11      | 133     |

### Nutrients

| Test Description | Result | Units | Method            | Comment Code | Analysis Date | Analyst |
|------------------|--------|-------|-------------------|--------------|---------------|---------|
| Phosphorus       | 26100  | mg/Kg | SM-20 4500-P E-99 |              | 10/25/11      | 133     |

### PAN Group

| Test Description             | Result | Units | Method               | Comment Code | Analysis Date | Analyst |
|------------------------------|--------|-------|----------------------|--------------|---------------|---------|
| Ammonia as Nitrogen          | 14,400 | mg/Kg | Lachat-10-107-06-1-K |              | 10/24/11      | 102     |
| Kjeldahl Nitrogen            | 47,200 | mg/Kg | Lachat-10-107-06-2-K |              | 10/24/11      | 102     |
| Nitrate as Nitrogen          | 279    | mg/Kg | EPA-300.0 Rev. 2     |              | 10/24/11      | 133     |
| Nitrite as Nitrogen          | < 86   | mg/Kg | EPA-300.0 Rev. 2     |              | 10/24/11      | 133     |
| Organic Nitrogen             | 32,800 | mg/Kg | Lachat-10-107-06-2-K |              | 10/24/11      | 102     |
| PAN - Subsurface Application | 21238  | ppm   | Calculation          |              | 11/02/11      | 127     |
| PAN - Surface Application    | 16918  | ppm   | Calculation          |              | 11/02/11      | 127     |

### Preparation Methods

| Test Description                | Result | Units | Method             | Comment Code | Analysis Date | Analyst |
|---------------------------------|--------|-------|--------------------|--------------|---------------|---------|
| Anions IC Sample Preparation    | 1      | Prep  | SM-4110B-00        |              | 10/20/11      | 133     |
| Metals ICP Sample Digestion     | 1      | Prep  | EPA-200.7 Rev. 4.4 | PDC          | 10/31/11      |         |
| Total Metals Flame-AA Digestion | 1      | Prep  | EPA-200.2          |              | 10/24/11      | 133     |

# Environmental Analysis South, Inc

4000 East Jackson Blvd. - Jackson MO 63755 - 573-204-8817 - Fax 573-204-8818

Lake Ozark Regional WWTP  
Alliance Lake of the Ozarks  
P. O. Box 1985  
Lake Ozarks, MO 65049

Report Number: 115139

## Report of Analysis

Log Number: 1402628  
Sample Description: Quarterly Sludge

Sample Date:  
10/18/2011

Sample Received Date:  
10/19/2011

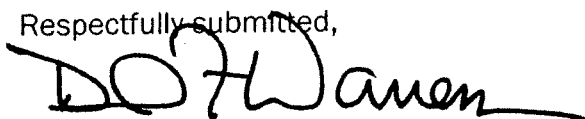
### Solids

| Test Description | Result | Units | Method       | Comment Code | Analysis Date | Analyst |
|------------------|--------|-------|--------------|--------------|---------------|---------|
| Total Solids     | 2.33   | % w/w | SM-2540 G-97 |              | 10/21/11      | 102     |

### Total (Total Recoverable) Trace Metals

| Test Description                | Result | Units | Method             | Comment Code | Analysis Date | Analyst |
|---------------------------------|--------|-------|--------------------|--------------|---------------|---------|
| Arsenic by ICP                  | 4.0    | mg/Kg | EPA-200.7 Rev. 4.4 | PDC          | 10/31/11      |         |
| Cadmium                         | 1.3    | mg/Kg | SM-3111 B-99       |              | 11/08/11      | 133     |
| Chromium                        | 22.3   | mg/Kg | SM-3111 B-99       |              | 11/14/11      | 133     |
| Copper                          | 658    | mg/Kg | SM-3111 B-99       |              | 11/14/11      | 133     |
| Lead by ICP                     | 28     | mg/Kg | EPA-200.7 Rev. 4.4 | PDC          | 10/31/11      |         |
| Mercury by Cold-Vapor Technique | < 0.10 | mg/Kg | SM-3112 B-99       |              | 10/25/11      | 133     |
| Molybdenum by ICP               | 4.8    | mg/Kg | EPA-200.7 Rev. 4.4 | PDC          | 10/31/11      |         |
| Nickel                          | 13.7   | mg/Kg | SM-3111 B-99       |              | 11/08/11      | 133     |
| Potassium                       | 1950   | mg/Kg | SM-3111 B-99       |              | 11/14/11      | 133     |
| Selenium by ICP                 | < 2.0  | mg/Kg | EPA-200.7 Rev. 4.4 | PDC          | 10/31/11      |         |
| Zinc                            | 1200   | mg/Kg | SM-3111 B-99       |              | 11/14/11      | 133     |

Respectfully submitted,



David F. Warren

### Comments:

PDC This parameter or group of analytes was analyzed by the subcontracting lab - PDC Lab  
Saint Louis, MO



**Client:**

**Sampler's Signature:**

Aug 10 1867

Date: 10/18/11 Time: 10:40 ☐ See Table

Additional Comments:

Address: P.O. Box 1985 / #3 ANDERSON RD.

City/State/Zip: LAKE OZARK, MO 65049

PO Number:        /        /        Rush Requested ☐ (Due Date:       )

[illegible]

**FECAL COLIFORM IN SLUDGE**

Standard Methods 18th edition method 9222D/SW-846 method 9132

Log #

1402628

Date:

10/19/2011

Analyst:

SCS 133

**Total Solid calculation**

| Sample    | Sample Size | Tare Weight | Tare Wt. + Res. | Residue Wt.         | Final Result |
|-----------|-------------|-------------|-----------------|---------------------|--------------|
| Replicate | (grams)     | (grams)     | (grams)         | (grams)             | (%w/w)       |
| A         | 17.8269     | 0.9946      | 1.3991          | 0.4045              | 2.27         |
| B         | 12.7656     | 1.0145      | 1.2945          | 0.2800              | 2.19         |
| C         | 12.6434     | 1.0220      | 1.3124          | 0.2904              | 2.30         |
| D         | 13.9025     | 0.9957      | 1.3039          | 0.3082              | 2.22         |
| E         | 14.9493     | 1.0188      | 1.3629          | 0.3441              | 2.30         |
| F         | 14.2151     | 1.0214      | 1.3471          | 0.3257              | 2.29         |
| G         | 11.9743     | 1.0342      | 1.3105          | 0.2763              | 2.31         |
|           |             |             |                 | Average Total Solid | 2.27         |

**Colony Counts**

Date:

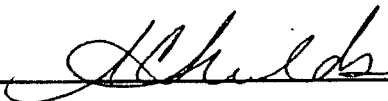
10/19/2011

Analyst:

SCS 133

| Sample            | Wt. Of Sample | Sample Size          | Colony Count | Final Count  |
|-------------------|---------------|----------------------|--------------|--------------|
| Replicate         | (grams)       | (mls - 0.1, 1.0, 10) | used         | #/gram (dry) |
| A                 | 0.3919        | 1                    | <1           | <11240       |
| B                 | 0.3599        | 1                    | 1            | 12,700       |
| C                 | 0.4437        | 1                    | 30           | 294,000      |
| D                 | 0.4422        | 1                    | 3            | 30,600       |
| E                 | 0.3673        | 1                    | <1           | <11840       |
| F                 | 0.4284        | 1                    | <1           | <10190       |
| G                 | 0.3902        | 1                    | 2            | 22,200       |
| Geometric Average |               |                      |              | 17,100       |

Approved by:



Environmental Analysis South, Inc.  
Clarification Coagulant Sludges  
Sludge Analysis

11/21/2011

|                                   |        |          |        |           |              |
|-----------------------------------|--------|----------|--------|-----------|--------------|
| Submitted by: Alliance Lake Ozark |        |          |        |           |              |
| Log Number: 1402628               |        |          |        |           |              |
| pH                                |        |          |        |           |              |
| Coliform                          |        |          |        |           |              |
| Parameter                         | Wet %  | Wet ppm  | Dry %  | Dry ppm   | lbs/dry Tons |
| Moisture                          |        |          | 97.67  |           |              |
| Solids                            |        |          | 2.33   |           |              |
| Volatile Solids                   |        |          |        |           |              |
| Ash                               |        |          |        |           |              |
| Nitrogen (TKN)                    | 0.110% | 1099.760 | 4.720% | 47200.000 | 94.400       |
| Nitrate N                         | 0.001% | 6.477    | 0.028% | 278.000   | 0.556        |
| Nitrite N                         | 0.000% | 0.000    | 0.000% | ND        | 0.000        |
| Ammonia N                         | 0.034% | 335.520  | 1.440% | 14400.000 | 28.800       |
| Organic N                         | 0.076% | 764.240  | 3.280% | 32800.000 | 65.600       |
| PAN Surface Application           | 0.039% | 394.189  | 1.692% | 16918.000 | 33.836       |
| PAN Subsurface Application        | 0.049% | 494.845  | 2.124% | 21238.000 | 42.476       |
| Potassium (as K)                  | 0.005% | 45.435   | 0.195% | 1950.000  | 3.900        |
| Phosphorus (as P)                 | 0.051% | 608.130  | 2.610% | 26100.000 | 52.200       |
| Arsenic (as As)                   | 0.000% | 0.093    | 0.000% | 4.000     | 0.008        |
| Cadmium (as Cd)                   | 0.000% | 0.030    | 0.000% | 1.300     | 0.003        |
| Chromium (as Cr)                  | 0.000% | 0.520    | 0.002% | 22.300    | 0.045        |
| Copper (as Cu)                    | 0.002% | 15.331   | 0.066% | 658.000   | 1.316        |
| Molybdenum (as Mo)                | 0.000% | 0.112    | 0.000% | 4.800     | 0.010        |
| Nickel (as Ni)                    | 0.000% | 0.319    | 0.001% | 13.700    | 0.027        |
| Lead (as Pb)                      | 0.000% | 0.652    | 0.003% | 28.000    | 0.056        |
| Selenium (as Se)                  | ND     | ND       | ND     | ND        | ND           |
| Zinc (as Zn)                      | 0.003% | 27.960   | 0.120% | 1200.000  | 2.400        |
| Mercury (as Hg)                   | ND     | ND       | ND     | ND        | ND           |
| code ND = none detected           |        |          |        |           |              |
| code NT = not tested              |        |          |        |           |              |

WATER RESOURCES®  
**Alliance**  
Professional Water and Wastewater Operations

**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 December 2011**

Submitted by Alliance Water Resources, Inc. for the

January 2012

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 | 3.9                       | 1.9                       | NA        |                                                 |
| Peak Day        | 5.1                       | 3.2                       | 7.9       |                                                 |
| Percent Removal | 98.3                      | 98.9                      | 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 0.906 MGD or 30% of Permitted flow with Lake Ozark contributing 19% of the total flow and Osage Beach contributing 81%. 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 54345 pounds of BOD.

### **BIOSOLIDS APPLICATION AND INVENTORY**

Plant personnel land applied 5 tanker loads of bio-solids during the month equivalent to a total of 18,500 gallons and 3,549 pounds dry weight solids.

577,536 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 461,250 gallons with a level of 6.0 feet in Tank 1 and 3.0 feet in Tank 2.

## **WASTEHAULERS**

The plant received 15 loads of septage during the month totaling 37,500 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)
- The contractor got started moving equipment in for the Oxidation Ditch project on the 28<sup>th</sup> of November and got started hauling the grit on Dec. 12<sup>th</sup> and finished hauling on the 14<sup>th</sup>. They removed 272.42 ton and they still have a little dressing up with a bobcat to do after the area where the machine was, dries up a little, along with reseeding it.
- We took Clarifier #3 off line for the winter on the 17<sup>th</sup>.
- We received RAS pump #2 back from JCI on the 23<sup>rd</sup> and plan on installing it sometime after the holidays. We also sent the Flygt decant pump that needed repaired back with them, which was mentioned at the October board meeting with bids and verbally approved by email by Nancy Viselli & Dave VanDee back in September.

## **SAFETY**

- We conducted our monthly routine Safety Meeting on Confined Spaces on the 13<sup>th</sup> of December.

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

- Mailed DMR to MDNR on the 9<sup>th</sup> of January.

## **MISCELLANEOUS AND RECOMMENDATIONS**

- We would like to Thank Matt and the City of Lake Ozark for sending their utility/boom truck to help lift the RAS pumps out and drop them back in the RAS basement after they were repaired. And also for the help they assisted us with on the Oxidation Ditch project. Many Thanks.

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

**MONTH OF December 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-Dec                                   |                     | 0.151     | 0.627     | 0.778       | 19.4 | 80.6 |            |            |              |            |            |              |
| 2-Dec                                   |                     | 0.153     | 0.648     | 0.801       | 19.1 | 80.9 | 192        | 330        | 306          | 124        | 184        | 182          |
| 3-Dec                                   |                     | 0.164     | 0.685     | 0.849       | 19.3 | 80.7 |            |            |              |            |            |              |
| 4-Dec                                   | 0.6                 | 0.199     | 0.936     | 1.135       | 17.5 | 82.5 |            |            |              |            |            |              |
| 5-Dec                                   |                     | 0.170     | 0.668     | 0.838       | 20.3 | 79.7 |            |            |              |            |            |              |
| 6-Dec                                   |                     | 0.148     | 0.638     | 0.786       | 18.8 | 81.2 |            |            |              |            |            |              |
| 7-Dec                                   |                     | 0.147     | 0.562     | 0.709       | 20.7 | 79.3 |            |            |              |            |            |              |
| 8-Dec                                   |                     | 0.147     | 0.561     | 0.708       | 20.8 | 79.2 |            |            |              |            |            |              |
| 9-Dec                                   |                     | 0.176     | 0.635     | 0.811       | 21.7 | 78.3 | 158        | 250        | 242          | 94         | 160        | 134          |
| 10-Dec                                  |                     | 0.155     | 0.598     | 0.753       | 20.6 | 79.4 |            |            |              |            |            |              |
| 11-Dec                                  |                     | 0.177     | 0.629     | 0.806       | 22.0 | 78.0 |            |            |              |            |            |              |
| 12-Dec                                  |                     | 0.160     | 0.646     | 0.806       | 19.9 | 80.1 |            |            |              |            |            |              |
| 13-Dec                                  | 0.3                 | 0.147     | 0.606     | 0.753       | 19.5 | 80.5 |            |            |              |            |            |              |
| 14-Dec                                  | 0.3                 | 0.179     | 0.812     | 0.991       | 18.1 | 81.9 |            |            |              |            |            |              |
| 15-Dec                                  | 0.3                 | 0.199     | 0.918     | 1.117       | 17.8 | 82.2 |            |            |              |            |            |              |
| 16-Dec                                  |                     | 0.173     | 0.650     | 0.823       | 21.0 | 79.0 | 240        | 236        | 234          | 224        | 142        | 202          |
| 17-Dec                                  |                     | 0.160     | 0.609     | 0.769       | 20.8 | 79.2 |            |            |              |            |            |              |
| 18-Dec                                  |                     | 0.160     | 0.581     | 0.741       | 21.6 | 78.4 |            |            |              |            |            |              |
| 19-Dec                                  |                     | 0.151     | 0.619     | 0.770       | 19.6 | 80.4 |            |            |              |            |            |              |
| 20-Dec                                  | 1.8                 | 0.435     | 1.745     | 2.180       | 20.0 | 80.0 |            |            |              |            |            |              |
| 21-Dec                                  |                     | 0.280     | 1.152     | 1.432       | 19.6 | 80.4 |            |            |              |            |            |              |
| 22-Dec                                  |                     | 0.171     | 0.690     | 0.861       | 19.9 | 80.1 | 86         | 226        | 186          | 76         | 200        | 178          |
| 23-Dec                                  |                     | 0.146     | 0.627     | 0.773       | 18.9 | 81.1 |            |            |              |            |            |              |
| 24-Dec                                  |                     | 0.151     | 0.692     | 0.843       | 17.9 | 82.1 |            |            |              |            |            |              |
| 25-Dec                                  |                     | 0.127     | 0.646     | 0.773       | 16.4 | 83.6 |            |            |              |            |            |              |
| 26-Dec                                  |                     | 0.118     | 0.597     | 0.715       | 16.5 | 83.5 |            |            |              |            |            |              |
| 27-Dec                                  | 0.2                 | 0.138     | 0.726     | 0.864       | 16.0 | 84.0 |            |            |              |            |            |              |
| 28-Dec                                  |                     | 0.150     | 0.789     | 0.939       | 16.0 | 84.0 |            |            |              |            |            |              |
| 29-Dec                                  |                     | 0.145     | 0.775     | 0.920       | 15.8 | 84.2 | 184        | 204        | 192          | 136        | 124        | 136          |
| 30-Dec                                  |                     | 0.148     | 0.824     | 0.972       | 15.2 | 84.8 |            |            |              |            |            |              |
| 31-Dec                                  |                     | 0.173     | 0.898     | 1.071       | 16.2 | 83.8 |            |            |              |            |            |              |
| SUM                                     | 3.5                 | 5.298     | 22.789    | 28.087      |      |      |            |            |              |            |            |              |
| AVG                                     |                     | 0.171     | 0.735     | 0.906       | 19   | 81   | 172        | 249        | 232          | 131        | 162        | 166          |
| NOTE: BOLD PRINT INDICATES WEEKEND DAYS |                     |           |           |             |      |      |            |            |              |            |            |              |

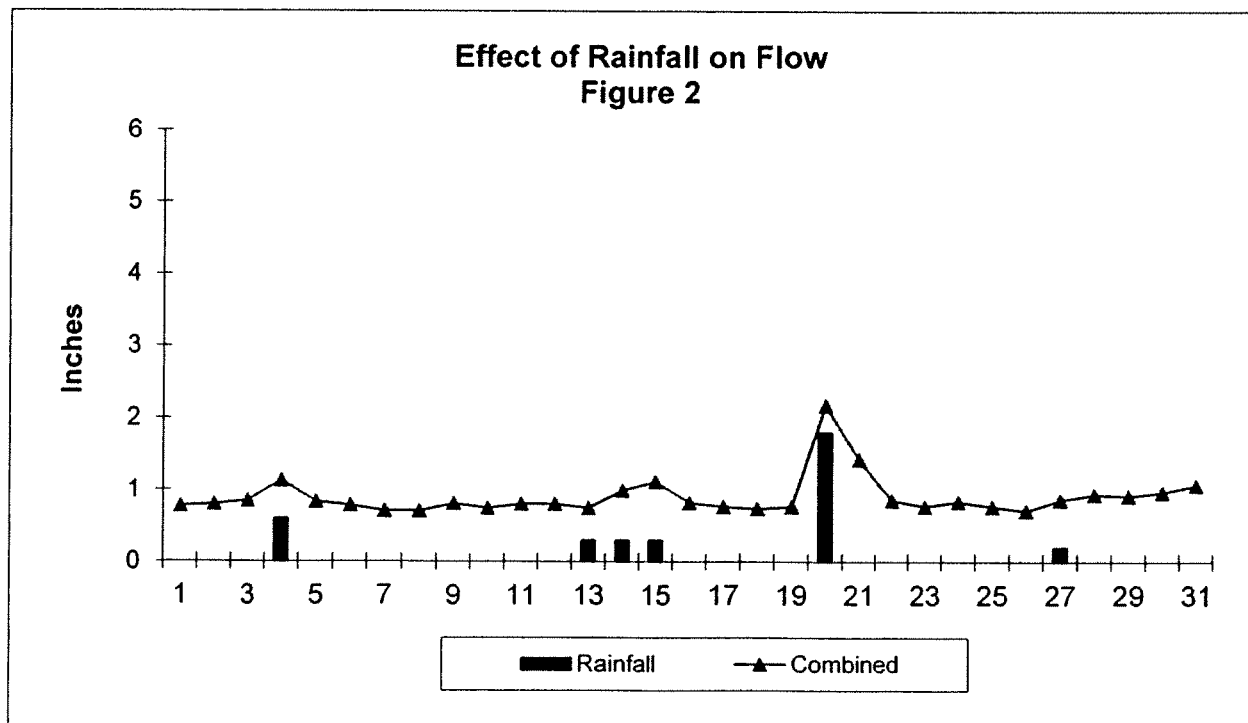
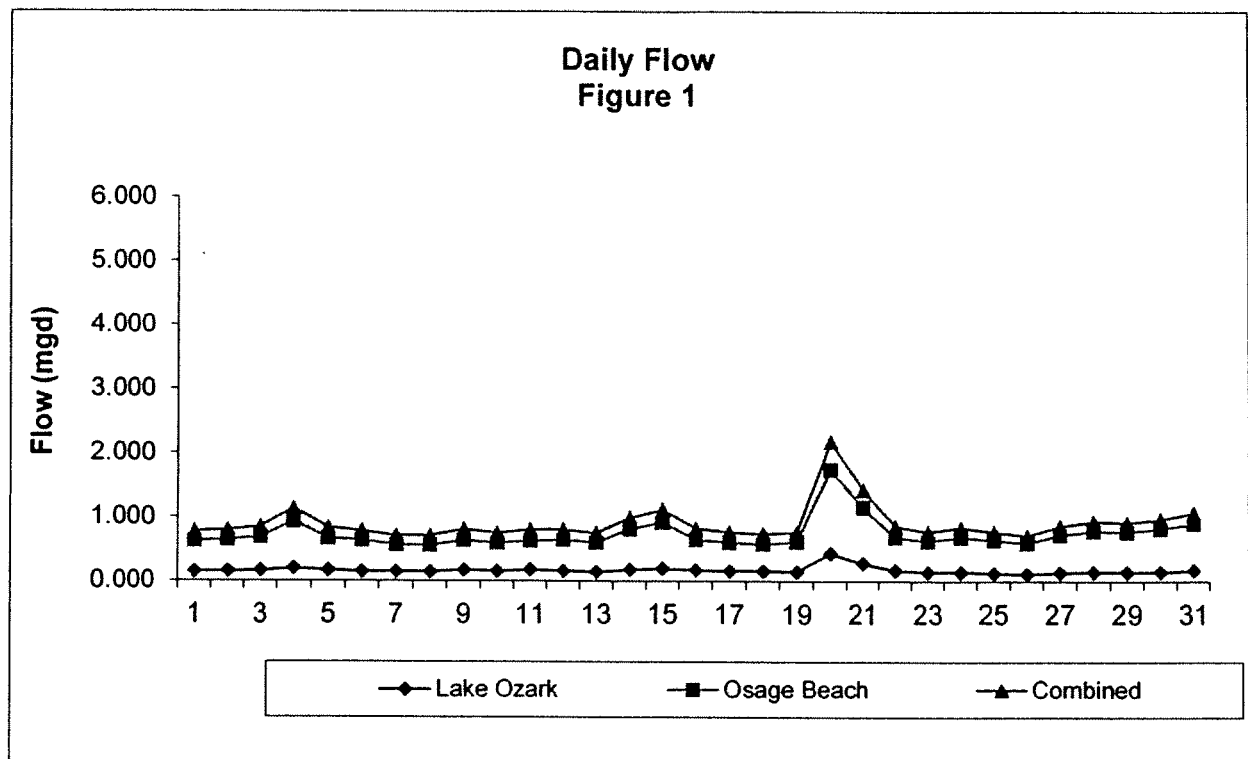
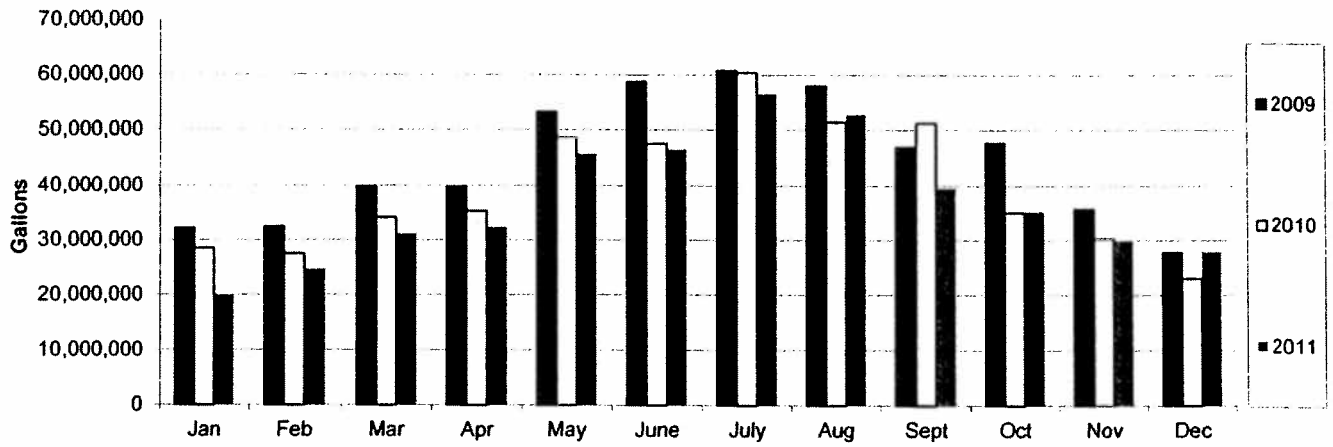




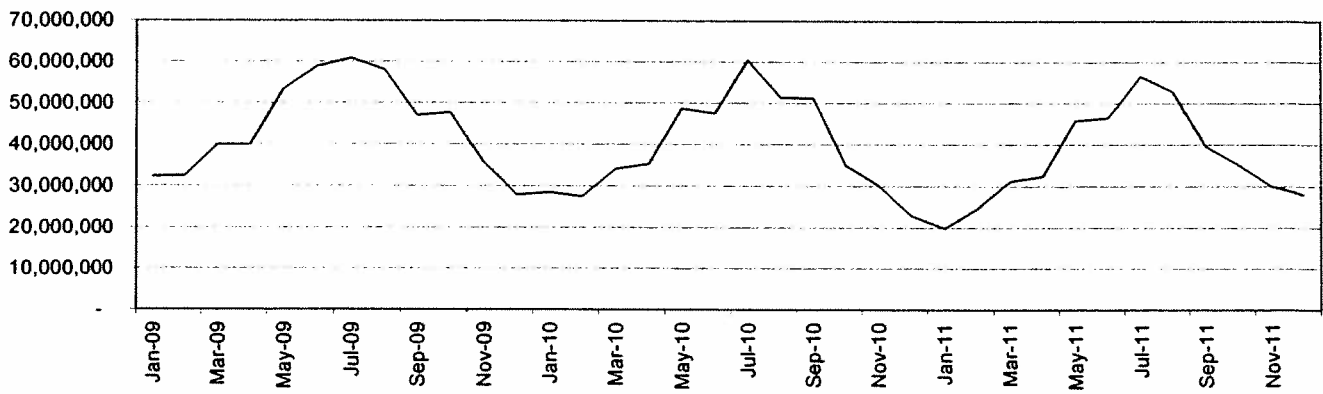
TABLE B  
JOINT SEWER BOARD  
Monthly Flows

| <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%     |
| <hr/>       |                 |                    |     |                   |     |              |          |
|             | 67.0            | 448,775,000        | 84% | 79,464,000        | 16% | 534,126,000  | 100%     |
| <hr/>       |                 |                    |     |                   |     |              |          |
| <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%     |
| <hr/>       |                 |                    |     |                   |     |              |          |
|             | 55.9            | 389,102,000        | 82% | 80,008,000        | 18% | 473,536,000  | 100%     |
| <hr/>       |                 |                    |     |                   |     |              |          |
| <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      | 6.5             | 44,175,000         | 84% | 8,704,000         | 16% | 52,879,000   | 100%     |
| September   | 2.7             | 32,672,000         | 82% | 6,999,000         | 18% | 39,671,000   | 100%     |
| October     | 2.3             | 28,932,000         | 82% | 6,388,000         | 18% | 35,320,000   | 100%     |
| November    | 5.6             | 24,495,000         | 81% | 5,589,000         | 19% | 30,084,000   | 100%     |
| December    | 3.5             | 22,789,000         | 81% | 5,298,000         | 19% | 28,087,000   | 100%     |
| <hr/>       |                 |                    |     |                   |     |              |          |
|             | 52.1            | 363,070,000        | 81% | 75,087,000        | 19% | 443,455,000  | 100%     |
| <hr/>       |                 |                    |     |                   |     |              |          |

Monthly Influent Flow  
Figure 3A

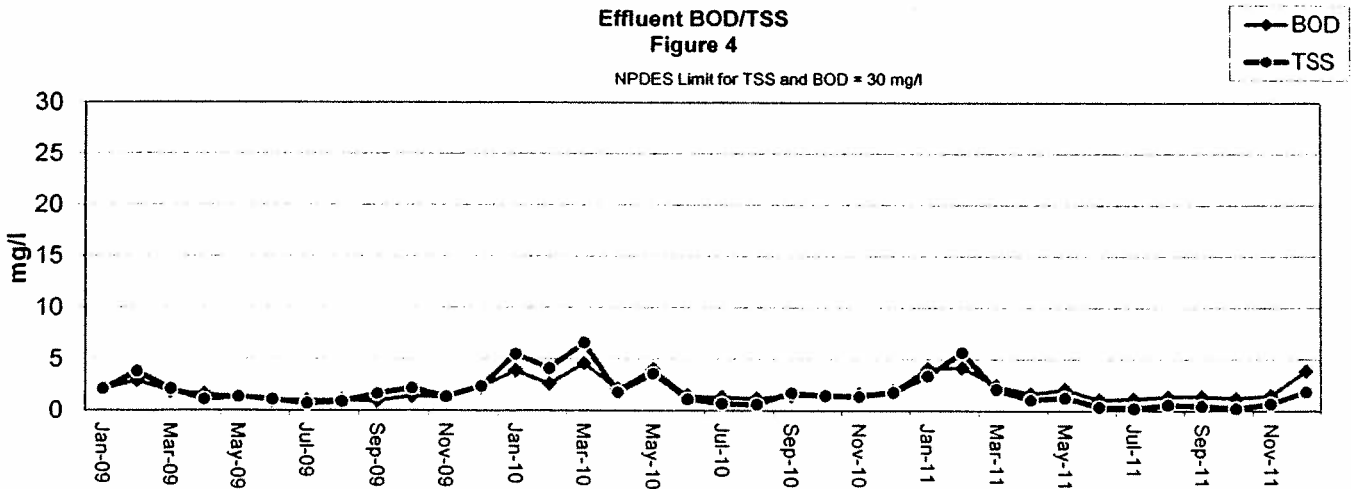


Monthly Influent Flow  
Figure 3B

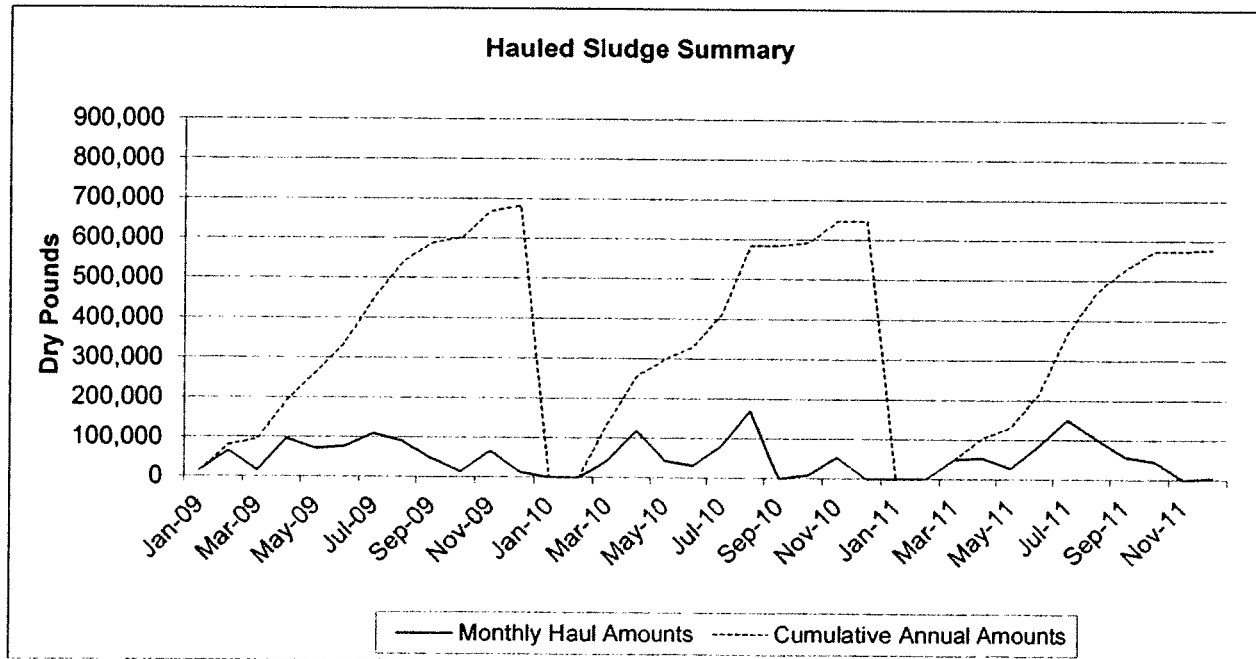
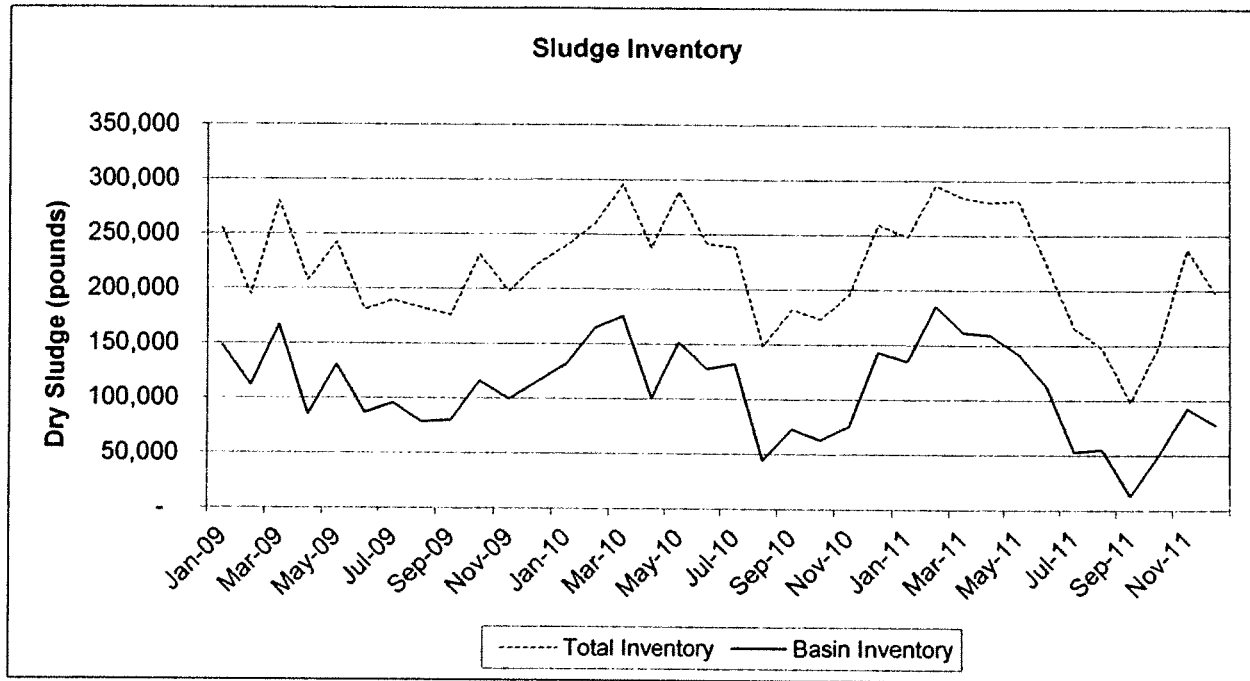


Effluent BOD/TSS  
Figure 4

NPDES Limit for TSS and BOD = 30 mg/l



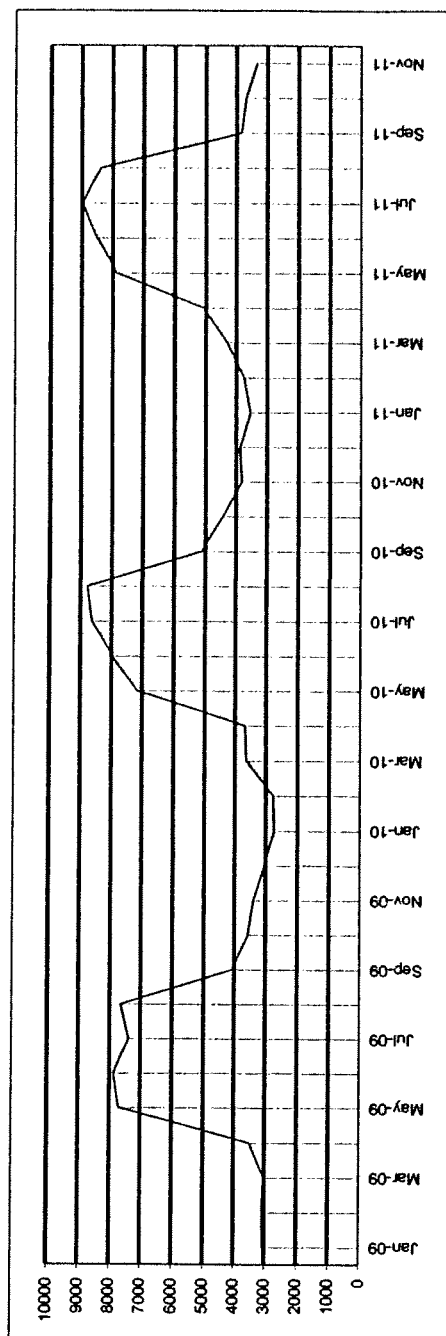
| Basin Depths |         |         |          | Blanket Depths |         |       |               |         |          |          |          |            |            | MLSS Inventory |           |         |          | Blanket and MLSS Inventory |      |         |               | Total Dry       |  |
|--------------|---------|---------|----------|----------------|---------|-------|---------------|---------|----------|----------|----------|------------|------------|----------------|-----------|---------|----------|----------------------------|------|---------|---------------|-----------------|--|
| Loads        | Gallons | # Dry   | % Solids | Tank #1        | Tank #2 | AB #1 | Basin Gallons | # Dry   | Clarf #1 | Clarf #2 | Clarf #3 | MLSS AB #1 | MLSS AB #2 | MLSS AB #3     | Gallons   | # Dry   | % Solids | MLSS                       | MLSS | MLSS    | Septage Loads | Septage Gallons |  |
| Jan-09       | 12      | 44,400  | 14,627   | 4.0%           | 6.0     | 4.0   | 0.0           | 450,000 | 149,247  | 0.0      | 1.0      | 0.0        | 3,220      | 3,860          | 3,617,762 | 106,809 | 0.00354  | 255,056                    | 24   | 59,000  | 24            | 59,000          |  |
| Feb-09       | 53      | 196,100 | 65,018   | 4.0%           | 5.0     | 2.5   | 0.0           | 337,500 | 111,900  | 0.0      | 0.5      | 0.0        | 1,840      | 3,640          | 3,608,881 | 82,469  | 0.00274  | 194,369                    | 24   | 62,000  | 24            | 62,000          |  |
| Mar-09       | 12      | 44,400  | 15,738   | 4.3%           | 5.5     | 5.0   | 0.0           | 472,500 | 167,482  | 1.0      | 1.0      | 0.5        | 3,330      | 4,110          | 3,657,238 | 112,855 | 0.00371  | 280,337                    | 18   | 45,000  | 18            | 45,000          |  |
| Apr-09       | 82      | 303,400 | 96,032   | 3.8%           | 5.0     | 1.0   | 0.0           | 270,000 | 85,480   | 3.0      | 0.0      | 1.0        | 4,260      | 3,360          | 3,696,714 | 122,069 | 0.00366  | 207,549                    | 26   | 65,000  | 26            | 65,000          |  |
| May-09       | 53      | 196,100 | 71,251   | 4.4%           | 5.5     | 2.5   | 0.0           | 360,000 | 130,802  | 1.0      | 1.0      | 1.0        | 3,390      | 3,350          | 3,678,952 | 111,991 | 0.00365  | 242,793                    | 32   | 84,000  | 32            | 84,000          |  |
| Jun-09       | 70      | 259,000 | 76,875   | 3.6%           | 4.5     | 2.0   | 0.0           | 292,500 | 96,818   | 0.5      | 1.0      | 2.5        | 3,180      | 2,890          | 3,735,213 | 94,545  | 0.00304  | 181,364                    | 32   | 78,500  | 32            | 78,500          |  |
| Jul-09       | 70      | 259,011 | 110,008  | 5.1%           | 5.0     | 0.0   | 0.0           | 225,000 | 95,563   | 0.0      | 1.0      | 4.0        | 3,040      | 2,910          | 3,791,474 | 94,072  | 0.00298  | 169,635                    | 50   | 163,500 | 50            | 163,500         |  |
| Aug-09       | 84      | 310,800 | 90,568   | 3.5%           | 4.5     | 1.5   | 0.0           | 270,000 | 78,678   | 1.0      | 1.0      | 1.0        | 2,910      | 3,890          | 3,678,952 | 104,320 | 0.0034   | 182,969                    | 55   | 145,000 | 55            | 145,000         |  |
| Sep-09       | 43      | 159,100 | 47,213   | 3.6%           | 6.0     | 0.0   | 0.0           | 270,000 | 80,123   | 0.5      | 0.5      | 0.0        | 3,750      | 2,620          | 3,617,762 | 96,098  | 0.00319  | 176,221                    | 37   | 97,500  | 37            | 97,500          |  |
| Oct-09       | 13      | 48,100  | 14,626   | 3.6%           | 6.5     | 2.0   | 0.0           | 382,500 | 116,309  | 1.0      | 1.0      | 0.0        | 3,040      | 3,720          | 3,635,524 | 115,217 | 0.0038   | 231,528                    | 43   | 112,500 | 43            | 112,500         |  |
| Nov-09       | 57      | 210,900 | 66,838   | 3.8%           | 6.0     | 1.0   | 0.0           | 315,000 | 99,829   | 2.0      | 1.0      | 0.0        | 2,840      | 3,820          | 3,653,286 | 98,413  | 0.00323  | 198,242                    | 57   | 146,500 | 57            | 146,500         |  |
| Dec-09       | 10      | 37,000  | 13,577   | 4.4%           | 5.0     | 2.0   | 0.0           | 315,000 | 115,588  | 2.0      | 2.0      | 1.0        | 3,320      | 3,600          | 3,714,476 | 107,186 | 0.00346  | 222,774                    | 25   | 60,000  | 25            | 60,000          |  |
| Jan-10       | 0       | -       | 0        | 4.4%           | 5.0     | 3.0   | 0.0           | 360,000 | 132,106  | 1.0      | 1.0      | 0.0        | 3,640      | 3,460          | 3,635,524 | 107,637 | 0.00355  | 239,743                    | 20   | 50,500  | 20            | 50,500          |  |
| Feb-10       | 0       | -       | 0        | 4.4%           | 5.0     | 5.0   | 0.0           | 450,000 | 165,132  | 2.0      | 1.0      | 0.0        | 3,310      | 2,910          | 3,653,286 | 94,757  | 0.00311  | 259,889                    | 35   | 93,000  | 35            | 93,000          |  |
| Mar-10       | 37      | 136,900 | 42,800   | 3.7%           | 7.0     | 5.5   | 0.0           | 562,500 | 175,858  | 1.0      | 0.0      | 1.5        | 3,940      | 3,890          | 3,682,904 | 120,251 | 0.00392  | 296,109                    | 13   | 33,000  | 13            | 33,000          |  |
| Apr-10       | 101     | 373,700 | 119,328  | 3.8%           | 6.0     | 1.0   | 0.0           | 315,000 | 100,584  | 1.0      | 1.5      | 2.0        | 4,440      | 4,360          | 3,731,261 | 137,234 | 0.00441  | 297,818                    | 48   | 124,000 | 48            | 124,000         |  |
| May-10       | 31      | 114,700 | 43,047   | 4.5%           | 6.0     | 3.0   | 0.0           | 405,000 | 151,997  | 1.5      | 4.5      | 2.0        | 3,930      | 4,750          | 3,793,428 | 137,305 | 0.00434  | 286,302                    | 48   | 126,000 | 48            | 126,000         |  |
| Jun-10       | 30      | 111,000 | 31,506   | 3.4%           | 7.0     | 3.0   | 0.0           | 450,000 | 127,727  | 1.0      | 1.0      | 1.0        | 3,650      | 3,770          | 3,678,952 | 113,832 | 0.00371  | 241,559                    | 60   | 157,500 | 60            | 157,500         |  |
| Jul-10       | 68      | 251,600 | 82,206   | 3.9%           | 8.0     | 1.0   | 0.0           | 405,000 | 132,327  | 1.0      | 2.0      | 1.0        | 3,650      | 3,250          | 3,696,714 | 106,366 | 0.00345  | 238,692                    | 22   | 52,000  | 22            | 52,000          |  |
| Aug-10       | 141     | 521,700 | 171,540  | 3.9%           | 3.0     | 0.0   | 0.0           | 135,000 | 44,389   | 2.5      | 1.5      | 1.0        | 3,250      | 3,520          | 3,714,476 | 104,708 | 0.00338  | 149,097                    | 96   | 252,000 | 96            | 252,000         |  |
| Sep-10       | 0       | -       | 0        | 3.9%           | 2.5     | 2.5   | 0.0           | 225,000 | 73,184   | 2.0      | 2.0      | 1.0        | 3,300      | 3,750          | 3,714,476 | 108,045 | 0.00352  | 182,229                    | 18   | 46,500  | 18            | 46,500          |  |
| Oct-10       | 9       | 33,300  | 8,517    | 3.1%           | 4.0     | 1.5   | 0.0           | 247,500 | 63,302   | 1.0      | 0.0      | 2.0        | 3,460      | 3,680          | 3,704,618 | 110,301 | 0.00357  | 173,603                    | 26   | 65,000  | 26            | 65,000          |  |
| Nov-10       | 39      | 144,300 | 54,094   | 4.5%           | 4.5     | 0.0   | 0.0           | 202,500 | 75,912   | 1.5      | 2.5      | 1.5        | 4,050      | 3,640          | 3,736,190 | 119,654 | 0.00384  | 195,565                    | 16   | 38,000  | 16            | 38,000          |  |
| Dec-10       | 0       | -       | 0        | 4.5%           | 4.5     | 4.0   | 0.0           | 382,500 | 143,552  | 2.0      | 2.0      | 0.0        | 3,700      | 3,890          | 3,671,048 | 116,037 | 0.00379  | 259,589                    | 24   | 56,500  | 24            | 56,500          |  |
| Jan-11       | 0       | -       | 0        | 4.5%           | 5.5     | 2.5   | 0.0           | 360,000 | 135,108  | 1.0      | 2.0      | 0.0        | 3,520      | 3,930          | 3,653,286 | 113,495 | 0.00373  | 248,603                    | 19   | 45,000  | 19            | 45,000          |  |
| Feb-11       | 0       | -       | 0        | 4.5%           | 6.0     | 5.0   | 0.0           | 495,000 | 185,774  | 2.5      | 2.0      | 0.0        | 3,580      | 3,580          | 3,678,929 | 109,872 | 0.00358  | 295,646                    | 6    | 15,000  | 6             | 15,000          |  |
| Mar-11       | 43      | 159,100 | 49,803   | 3.8%           | 7.5     | 4.0   | 0.0           | 517,500 | 181,983  | 1.0      | 1.0      | 0.5        | 4,100      | 3,940          | 3,657,238 | 122,615 | 0.00402  | 284,608                    | 25   | 59,000  | 25            | 59,000          |  |
| Apr-11       | 45      | 166,500 | 53,692   | 3.9%           | 7.0     | 4.0   | 0.0           | 495,000 | 159,625  | 2.0      | 3.0      | 2.0        | 3,130      | 4,540          | 3,775,686 | 120,761 | 0.00384  | 280,365                    | 27   | 70,300  | 27            | 70,300          |  |
| May-11       | 24      | 88,800  | 28,051   | 3.8%           | 5.5     | 4.5   | 0.0           | 450,000 | 142,150  | 3.0      | 2.0      | 2.5        | 4,960      | 3,820          | 3,779,618 | 136,958 | 0.00444  | 282,106                    | 39   | 101,500 | 39            | 101,500         |  |
| Jun-11       | 78      | 288,600 | 85,043   | 3.5%           | 3.5     | 5.0   | 0.0           | 382,500 | 112,713  | 2.0      | 2.0      | 2.0        | 3,500      | 3,560          | 3,775,686 | 111,156 | 0.00353  | 223,869                    | 36   | 96,000  | 36            | 96,000          |  |
| Jul-11       | 138     | 510,600 | 150,712  | 3.5%           | 4.0     | 0.0   | 0.0           | 180,000 | 53,130   | 1.5      | 2.5      | 1.0        | 3,740      | 3,550          | 3,714,476 | 112,917 | 0.00365  | 166,047                    | 51   | 127,500 | 51            | 127,500         |  |
| Aug-11       | 91      | 336,700 | 103,837  | 3.7%           | 2.0     | 2.0   | 0.0           | 180,000 | 55,511   | 2.0      | 2.0      | 1.5        | 2,840      | 3,110          | 3,736,190 | 92,700  | 0.00298  | 148,212                    | 47   | 118,500 | 47            | 118,500         |  |
| Sep-11       | 52      | 192,400 | 57,488   | 3.6%           | 0.0     | 1.0   | 0.0           | 45,000  | 13,446   | 2.5      | 2.5      | 1.5        | 2,530      | 2,900          | 3,753,952 | 85,001  | 0.00272  | 98,447                     | 68   | 175,000 | 68            | 175,000         |  |
| Oct-11       | 33      | 122,100 | 45,361   | 4.5%           | 3.0     | 3.0   | 0.0           | 135,000 | 50,153   | 2.0      | 2.5      | 1.0        | 3,470      | 2,940          | 3,723,357 | 99,524  | 0.00321  | 149,678                    | 17   | 42,500  | 17            | 42,500          |  |
| Nov-11       | 0       | -       | 0        | 4.5%           | 3.0     | 2.5   | 0.0           | 247,500 | 92,887   | 3.0      | 3.0      | 2.0        | 4,610      | 3,775,686      | 3,775,686 | 144,850 | 0.0046   | 237,736                    | 18   | 45,500  | 18            | 45,500          |  |
| Dec-11       | 5       | 18,500  | 3,549    | 2.3%           | 6.0     | 3.0   | 0.0           | 405,000 | 77,687   | 3.0      | 4.0      | 0.0        | 3,850      | 3,724,334      | 3,724,334 | 119,585 | 0.00385  | 197,272                    | 15   | 37,500  | 15            | 37,500          |  |



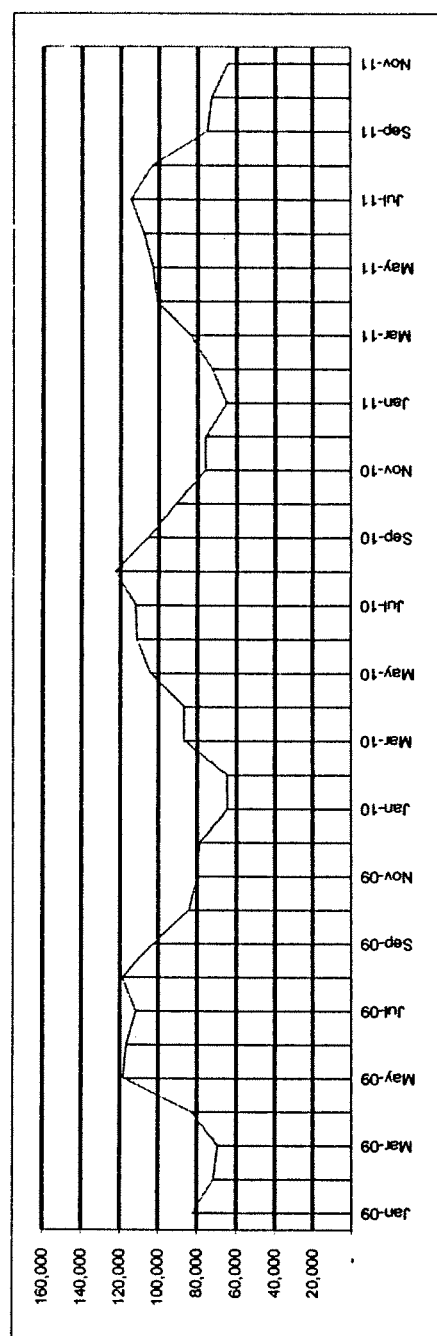
**Month      Electric Cost      Kilowatts Used**

|        |      |         |
|--------|------|---------|
| 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 |
| Jul-11 | 8983 | 114,906 |
| Aug-11 | 8382 | 103,698 |
| Sep-11 | 3848 | 75,430  |
| Oct-11 | 3697 | 73,005  |
| Nov-11 | 3345 | 64,695  |

**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                                  |                         |            |                               |               |             |             |  |
| Dec-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                                   | 7.4         |               |             | 14         | 1.331       | 7.8                     |             |                                                          | 5.7                     | 6.4        |                               | 11.4          |             |             |  |
| 2                                   | 7.5         | 306           | 182         | 14.4       | 1.287       | 7.8                     | 4.5         | 1.8                                                      |                         | 5.9        |                               | 11.8          | 98.5        | 99.0        |  |
| 3                                   | 7.5         |               |             | 15         | 1.184       | 7.8                     |             |                                                          |                         | 7.2        |                               | 12.9          |             |             |  |
| 4                                   | 7.4         |               |             | 14.1       | 1.621       | 7.8                     |             |                                                          |                         | 6.0        |                               | 13            |             |             |  |
| 5                                   | 7.4         |               |             | 14.1       | 1.374       | 7.8                     |             |                                                          |                         | 5.8        |                               | 12            |             |             |  |
| 6                                   | 7.4         |               |             | 13.4       | 1.292       | 7.8                     |             |                                                          |                         | 6.2        |                               | 10.6          |             |             |  |
| 7                                   | 7.4         |               |             | 13         | 1.118       | 7.8                     |             |                                                          |                         | 6.4        |                               | 10.4          |             |             |  |
| 8                                   | 7.5         |               |             | 13.7       | 1.269       | 7.8                     |             |                                                          | 1.0                     | 6.6        |                               | 10.7          |             |             |  |
| 9                                   | 7.3         | 242           | 134         | 13         | 1.368       | 7.8                     | 4.7         | 0.8                                                      |                         | 6.6        |                               | 10.2          | 98.1        | 99.4        |  |
| 10                                  | 7.2         |               |             | 13.1       | 1.111       | 7.8                     |             |                                                          |                         | 6.7        |                               | 10.2          |             |             |  |
| 11                                  | 7.3         |               |             | 12.6       | 1.324       | 7.8                     |             |                                                          |                         | 6.5        |                               | 9.4           |             |             |  |
| 12                                  | 7.3         |               |             | 12.9       | 1.280       | 7.8                     |             |                                                          |                         | 6.1        |                               | 10.5          |             |             |  |
| 13                                  | 7.5         |               |             | 12.9       | 1.326       | 7.8                     |             |                                                          |                         | 6.0        |                               | 10.8          |             |             |  |
| 14                                  | 7.4         |               |             | 13.9       | 1.601       | 7.7                     |             |                                                          |                         | 5.9        |                               | 12.9          |             |             |  |
| 15                                  | 7.2         |               |             | 12.7       | 1.761       | 7.7                     |             |                                                          | 2.0                     | 5.3        |                               | 12.1          |             |             |  |
| 16                                  | 7.4         | 234           | 202         | 12.8       | 1.611       | 7.8                     | 5.1         | 3.2                                                      |                         | 5.5        |                               | 11            | 97.8        | 98.4        |  |
| 17                                  | 7.3         |               |             | 11         | 1.196       | 7.8                     |             |                                                          |                         | 6.5        |                               | 10.8          |             |             |  |
| 18                                  | 7.2         |               |             | 13.9       | 1.248       | 7.7                     |             |                                                          |                         | 6.9        |                               | 10.2          |             |             |  |
| 19                                  | 7.3         |               |             | 14.3       | 1.192       | 7.7                     |             |                                                          |                         | 6.0        |                               | 12.1          |             |             |  |
| 20                                  | 7.4         |               |             | 13.3       | 2.791       | 7.7                     |             |                                                          |                         | 4.9        |                               | 12.5          |             |             |  |
| 21                                  | 7.5         |               |             | 12.5       | 1.902       | 7.7                     |             |                                                          | 1.0                     | 6.5        |                               | 12            |             |             |  |
| 22                                  | 7.4         | 186           | 178         | 13         | 1.420       | 7.7                     | 3.7         | 2.2                                                      |                         | 6.2        |                               | 11.8          | 98.0        | 98.8        |  |
| 23                                  | 7.1         |               |             | 12.1       | 1.204       | 7.7                     |             |                                                          |                         | 5.7        |                               | 10.2          |             |             |  |
| 24                                  | 7.2         |               |             | 11.8       | 1.381       | 7.7                     |             |                                                          |                         | 6.3        |                               | 10            |             |             |  |
| 25                                  | 7.3         |               |             | 10.4       | 1.238       | 7.7                     |             |                                                          |                         | 6.1        |                               | 9.1           |             |             |  |
| 26                                  | 7.3         |               |             | 11         | 1.184       | 7.8                     |             |                                                          |                         | 7.1        |                               | 9             |             |             |  |
| 27                                  | 7.3         |               |             | 11         | 1.409       | 7.8                     |             |                                                          |                         | 6.5        |                               | 9.3           |             |             |  |
| 28                                  | 7.3         |               |             | 11.5       | 1.451       | 7.7                     |             |                                                          | 0.08                    | 5.7        |                               | 9.1           |             |             |  |
| 29                                  | 7.3         | 192           | 136         | 12         | 1.335       | 7.7                     | 1.7         | 1.6                                                      |                         | 6.3        |                               | 10            | 99.1        | 98.8        |  |
| 30                                  | 7.3         |               |             | 13.7       | 1.457       | 7.7                     |             |                                                          |                         | 5.7        |                               | 11.9          |             |             |  |
| 31                                  | 7.4         |               |             | 13.6       | 1.517       | 7.8                     |             |                                                          |                         | 5.7        |                               | 11.3          |             |             |  |
| Total                               |             |               |             |            | 43.783      |                         |             |                                                          |                         |            |                               |               |             |             |  |
| Avg                                 |             | 232           | 166         | 13         | 1.412       |                         | 3.9         | 1.9                                                      | 1.0                     | 6.2        | 0.0                           | 10.9          | 98.3        | 98.9        |  |
| Min                                 | 7.1         | 186           | 134         | 10         | 1.111       | 7.7                     | 1.7         | 0.8                                                      | 0.08                    | 4.9        | 0.0                           | 9.0           | 97.8        | 98.4        |  |
| Max                                 | 7.5         | 306           | 202         | 15         | 2.791       | 7.8                     | 5.1         | 3.2                                                      | 2.0                     | 7.2        | 0.0                           | 13.0          | 99.1        | 99.4        |  |

| 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                           | < 5.0                |                               |              |
| 8                           |                      |                               |              |
| 9                           |                      |                               |              |
| 10                          |                      |                               |              |
| 11                          |                      |                               |              |
| 12                          |                      |                               |              |
| 13                          |                      |                               |              |
| 14                          |                      |                               |              |
| 15                          |                      |                               |              |
| 16                          |                      |                               |              |
| 17                          |                      |                               |              |
| 18                          |                      |                               |              |
| 19                          |                      |                               |              |
| 20                          |                      |                               |              |
| 21                          |                      |                               |              |
| 22                          |                      |                               |              |
| 23                          |                      |                               |              |
| 24                          |                      |                               |              |
| 25                          |                      |                               |              |
| 26                          |                      |                               |              |
| 27                          |                      |                               |              |
| 28                          |                      |                               |              |
| 29                          |                      |                               |              |
| 30                          |                      |                               |              |
| 31                          |                      |                               |              |
| Total                       |                      |                               |              |
| Avg                         | < 5.0                | 0.00                          | 0.00         |
| Min                         | < 5.0                | 0.00                          | 0.00         |
| Max                         | < 5.0                | 0.00                          | 0.00         |

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

| DATE | SLUDGE<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    |                                       | 1.4                              | 4,810   | 770            | 11.8        |                                  |         |                |             | 29                  | 0               | 7:30 |
| 2    |                                       | 1.2                              | 4,780   | 770            | 12.4        |                                  |         |                |             | 38                  | 0               | 7:30 |
| 3    |                                       | 2.0                              | 4,360   | 730            | 13.2        |                                  |         |                |             | 47                  | 0               | 7:30 |
| 4    |                                       | 1.0                              | 4,440   | 730            | 13.6        |                                  |         |                |             | 42                  | 0.6             | 7:30 |
| 5    |                                       | 1.2                              | 4,460   | 740            | 12.5        |                                  |         |                |             | 33                  | 0               | 7:30 |
| 6    |                                       | 1.4                              | 4,600   | 760            | 11.4        |                                  |         |                |             | 28                  | 0               | 7:30 |
| 7    |                                       | 3.0                              | 4,100   | 750            | 10.7        |                                  |         |                |             | 23                  | 0               | 7:30 |
| 8    |                                       | 2.1                              | 4,340   | 760            | 10.7        |                                  |         |                |             | 27                  | 0               | 7:30 |
| 9    |                                       | 1.4                              | 4,240   | 730            | 10.7        |                                  |         |                |             | 34                  | 0               | 7:30 |
| 10   |                                       | 3.1                              | 3,710   | 590            | 9.8         |                                  |         |                |             | 22                  | 0               | 7:30 |
| 11   |                                       | 2.7                              | 3,810   | 650            | 9.7         |                                  |         |                |             | 26                  | 0               | 7:30 |
| 12   | 3,549                                 | 1.4                              | 3,910   | 630            | 10.6        |                                  |         |                |             | 40                  | 0               | 7:30 |
| 13   |                                       | 2.1                              | 3,830   | 560            | 11.7        |                                  |         |                |             | 45                  | 0.3             | 7:30 |
| 14   |                                       | 1.9                              | 3,900   | 500            | 13.5        |                                  |         |                |             | 54                  | 0.3             | 7:30 |
| 15   |                                       | 1.3                              | 3,910   | 550            | 12.3        |                                  |         |                |             | 48                  | 0.3             | 7:30 |
| 16   |                                       | 2.0                              | 4,190   | 640            | 11.4        |                                  |         |                |             | 29                  | 0               | 7:30 |
| 17   |                                       | 3.7                              | 4,110   | 570            | 11          |                                  |         |                |             | 30                  | 0               | 7:30 |
| 18   |                                       | 4.6                              | 3,820   | 550            | 11.3        |                                  |         |                |             | 30                  | 0               | 7:30 |
| 19   |                                       | 2.2                              | 3,900   | 550            | 13          |                                  |         |                |             | 55                  | 0               | 7:30 |
| 20   |                                       | 1.4                              | 3,560   | 370            | 12.6        |                                  |         |                |             | 48                  | 1.8             | 7:30 |
| 21   |                                       | 4.6                              | 3,010   | 340            | 12.1        |                                  |         |                |             | 40                  | 0               | 7:30 |
| 22   |                                       | 3.5                              | 4,160   | 600            | 12          |                                  |         |                |             | 35                  | 0               | 7:30 |
| 23   |                                       | 3.6                              | 3,660   | 550            | 10.1        |                                  |         |                |             | 34                  | 0               | 7:30 |
| 24   |                                       | 3.8                              | 3,160   | 430            | 9.4         |                                  |         |                |             | 27                  | 0               | 7:30 |
| 25   |                                       | 4.2                              | 3,840   | 500            | 8.8         |                                  |         |                |             | 29                  | 0               | 7:30 |
| 26   |                                       | 5.0                              | 3,920   | 570            | 8.8         |                                  |         |                |             | 28                  | 0               | 7:30 |
| 27   |                                       | 3.5                              | 3,960   | 600            | 9.7         |                                  |         |                |             | 39                  | 0.2             | 7:30 |
| 28   |                                       | 2.2                              | 4,040   | 560            | 9.1         |                                  |         |                |             | 29                  | 0               | 7:30 |
| 29   |                                       | 2.4                              | 3,430   | 410            | 10.1        |                                  |         |                |             | 42                  | 0               | 7:30 |
| 30   |                                       | 1.4                              | 3,610   | 490            | 12.6        |                                  |         |                |             | 49                  | 0               | 7:30 |
| 31   |                                       | 2.7                              | 3,850   | 500            | 11.8        |                                  |         |                |             | 32                  | 0               | 7:30 |

**COMMENTS:**

We had 274.42 tons of Grit removed from oxidation ditch #2 on the 12th through the 14th and it was all hauled to Republic Services landfill in Jefferson City. Scale tickets and landfill manifest sheets are on file at the Wastewater Treatment Plant.

|                            |                        |               |          |
|----------------------------|------------------------|---------------|----------|
| TESTS PERFORMED BY (PRINT) | SIGNATURE              | PHONE #       | DATE     |
| Frank Hendricks            | <i>Frank Hendricks</i> | (573)365-0455 | 1/6/2012 |
| REPORT APPROVED BY (PRINT) | SIGNATURE              | PHONE #       | DATE     |
| Gary Hutchcraft            | <i>Gary Hutchcraft</i> | (573)365-0455 | 1/6/2012 |

\*Required Daily (Monday, Friday)

(P. 70)

\*\*Required 1/week



## Operation Report

FOR December 2011  
month year

| PORT NO. 1 RECORD | CORRELATION PORT NO. 2 RECORD |                |                |                | CLAMPING NO. 1 | CLAMPING NO. 2 | PLANT EFFICIENCY |                |                |                |                |                | WATER BALANCE TO PLANTAGE |                |       |        |         |         |        |
|-------------------|-------------------------------|----------------|----------------|----------------|----------------|----------------|------------------|----------------|----------------|----------------|----------------|----------------|---------------------------|----------------|-------|--------|---------|---------|--------|
|                   | WATER (cc/gal)                | WATER (cc/gal) | WATER (cc/gal) | WATER (cc/gal) |                |                | WATER (cc/gal)   | WATER (cc/gal) | WATER (cc/gal) | WATER (cc/gal) | WATER (cc/gal) | WATER (cc/gal) | WATER (cc/gal)            | WATER (cc/gal) |       |        |         |         |        |
| 160               | 7.55                          | 1.4            |                |                | 3              | 2.5            | 1                | 1.331          | 7.78           |                |                | 6.4            | 5.7                       | 11.4           | 1.01  | 7.470  |         |         |        |
| 161               | 7.56                          | 1.2            |                |                | 2              | 3              | 2                | 1.287          | 7.82           | 4.5            | 1.8            | 5.9            |                           | 11.8           | 0.83  | 8.610  | 90,000  | 6,463   |        |
| 167               | 7.65                          | 2              |                |                | 3              | 2              | 1                | 1.184          | 7.82           |                |                | 7.2            |                           | 12.9           | 0.873 | 6.070  |         |         |        |
| 164               | 7.59                          | 1              |                |                | 3              | 2              | 1                | 1.621          | 7.78           |                |                | 6              |                           | 13             | 0.857 | 8.990  |         |         |        |
| 166               | 7.57                          | 1.2            |                |                | 2.5            | 1              | 1.5              | 1.374          | 7.8            |                |                | 5.8            |                           | 12             | 0.651 | 8.700  |         |         |        |
| 165               | 7.59                          | 1.4            |                |                | 3              | 2              | 1                | 1.292          | 7.83           |                |                | 6.2            |                           | 10.6           | 0.79  | 9.360  | 90,000  | 7,026   |        |
| 183               | 7.65                          | 3              |                |                | 3              | 2              | 1                | 1.118          | 7.88           |                |                | 6.4            |                           | 10.4           | 0.798 | 5.780  |         |         |        |
| 175               | 7.62                          | 2.1            |                |                | 2.5            | 1              | 1                | 1.269          | 7.76           |                |                | 6.6            | 1.0                       | 10.7           | 1.014 | 5.950  |         |         |        |
| 172               | 7.5                           | 1.4            |                |                | 3              | 2              | 2                | 1.368          | 7.77           | 4.7            | 0.8            | 6.6            |                           | 10.2           | 0.801 | 8.170  | 90,000  | 6,132   |        |
| 159               | 7.54                          | 3.1            |                |                | 1.5            | 2              | 2                | 1.111          | 7.78           |                |                | 6.7            |                           | 10.2           | 0.778 | 4.950  |         |         |        |
| 171               | 7.58                          | 2.7            |                |                | 2              | 2              | 2                | 1.324          | 7.78           |                |                | 6.5            |                           | 9.4            | 1.032 | 7.080  |         |         |        |
| 161               | 7.54                          | 1.4            |                |                | 1.5            | 2              | 1                | 1.280          | 7.75           |                |                | 6.1            |                           | 10.5           | 0.875 | 8.480  |         |         |        |
| 146               | 7.67                          | 2.1            |                |                | 2              | 3              | 2                | 1.326          | 7.8            |                |                | 6              |                           | 10.8           | 0.654 | 6.990  | 90,000  | 5,247   |        |
| 128               | 7.59                          | 1.9            |                |                | 3              | 4              | 0                | 1.601          | 7.71           |                |                | 5.4            |                           | 12.9           | 0.753 | 6.190  |         |         |        |
| 141               | 7.48                          | 1.3            |                |                | 2.5            | 3              | 0                | 1.761          | 7.71           |                |                | 5.3            | 2.0                       | 12.1           | 0.853 | 7.380  |         |         |        |
| 153               | 7.6                           | 2              |                |                | 1.5            | 3              | 0                | 1.611          | 7.78           | 5.1            | 3.2            | 5.5            |                           | 11             | 0.72  | 8.310  | 90,000  | 6,237   |        |
| 139               | 7.62                          | 3.7            |                |                | 1.5            | 1              | 0                | 1.196          | 7.83           |                |                | 6.5            |                           | 10.8           | 0.642 | 5.390  |         |         |        |
| 144               | 7.59                          | 4.6            |                |                | 2              | 3              | 0                | 1.248          | 7.73           |                |                | 6.9            |                           | 10.2           | 0.628 | 7.640  |         |         |        |
| 141               | 7.6                           | 2.2            |                |                | 1              | 4              | 0                | 1.192          | 7.74           |                |                | 6              |                           | 12.1           | 0.61  | 9.710  |         |         |        |
| 104               | 7.56                          | 1.4            |                |                | 6.5            | 14             | 0                | 2.791          | 7.72           |                |                | 4.9            |                           | 12.5           | 0.94  | 12.770 | 90,000  | 9,585   |        |
| 113               | 7.58                          | 4.6            |                |                | 3.5            | 7              | 0                | 1.902          | 7.69           |                |                | 6.5            | 1.0                       | 12             | 0.492 | 7.200  |         |         |        |
| 144               | 7.57                          | 3.5            |                |                | 1              | 3              | 0                | 1.420          | 7.69           | 3.7            | 2.2            | 6.2            |                           | 11.8           | 0.762 | 5.880  | 90,000  | 4,414   |        |
| 150               | 7.48                          | 3.5            |                |                | 2              | 2              | 0                | 1.204          | 7.73           |                |                | 5.7            |                           | 10.2           | 0.719 | 6.430  |         |         |        |
| 136               | 7.48                          | 3.8            |                |                | 1.5            | 7              | 0                | 1.381          | 7.72           |                |                | 6.3            |                           | 10             | 0.602 | 11.010 |         |         |        |
| 130               | 7.53                          | 4.2            |                |                | 1.5            | 1.5            | 0                | 1.238          | 7.74           |                |                | 6.1            |                           | 9.1            | 0.875 | 5.820  |         |         |        |
| 145               | 7.52                          | 5              |                |                | 1.5            | 2              | 0                | 1.184          | 7.79           |                |                | 7.1            |                           | 9              | 0.869 | 7.470  |         |         |        |
| 152               | 7.54                          | 3.5            |                |                | 1.5            | 1.5            | 0                | 1.709          | 7.78           |                |                | 6.5            |                           | 9.3            | 0.837 | 7.350  |         |         |        |
| 139               | 7.48                          | 2.2            |                |                | 1.5            | 2              | 0                | 1.451          | 7.7            |                |                | 5.7            | 0.08                      | 9.1            | 0.736 | 8.370  | 90,000  | 6,283   |        |
| 120               | 7.48                          | 2.4            |                |                | 1              | 1.5            | 0                | 1.335          | 7.67           | 1.7            | 1.6            | 6.3            |                           | 10             | 0.692 | 6.270  |         |         |        |
| 136               | 7.54                          | 1.4            |                |                | 1              | 2              | 0                | 1.457          | 7.71           |                |                | 5.7            |                           | 11.9           | 0.838 | 3.890  |         |         |        |
| 130               | 7.6                           | 2.7            |                |                | 3              | 4              | 0                | 1.514          | 7.75           |                |                | 5.7            |                           | 11.3           | 0.79  | 3.830  |         |         |        |
| 1,595             | 234.5                         | 77.9           | 0              | 0              | 69             | 92             | 18.5             | 44,080         | 240.5          | 19.7           | 9.6            | 190.7          | 9.78                      | 319.2          | 0     | 24,421 | 227,610 | 720,000 | 51,387 |
| 183               | 7.67                          | 5              | 0              | 0              | 6.5            | 14             | 2                | 2,791          | 7.88           | 5.1            | 3.2            | 7.2            | 5.7                       | 13             | 0     | 0.32   | 12,770  | 90,000  | 9,585  |
| 104               | 7.48                          | 1              | 0              | 0              | 1              | 1              | 0                | 1,111          | 7.67           | 1.7            | 0.8            | 4.9            | 0.08                      | 9              | 0     | 0.492  | 3,830   | 90,000  | 4,414  |
| 148               | 7.56                          | 2.5            | 0              | 0              | 2.2            | 3.0            | 0.6              | 1,422          | 7.76           | 3.9            | 1.9            | 6.2            | 1.96                      | 10.9           | 0.0   | 0.788  | 7,342   | 90,000  | 6,423  |

1/4/2012



# LAKE OZARK-OSAGE BEACH JOINT SEWER BOARD

C/O Mayor Penny Lyons, Chairman  
3 Anderson Road  
Lake Ozark, Missouri 65049

## CONTRACT MODIFICATION NO. 1

January 18, 2012

Drain Masters, LLC  
Attn: Steven Butler  
24940 Spencer Road  
Waynesville, Missouri 65583

Reference: Construction Contract  
Removal of Grit in #2 Oxidation Ditch

Dear Mr. Butler:

You are hereby directed to perform the following changed and/or additional work. All work shall be in accordance with the applicable portions of the contract specifications.

1. Bid Item #1, "Removal and Disposal of Grit in #2 Oxidation Ditch per ton", increase by 122.42 tons. Revised quantity shall be 272.24 tons.

Compensation for the work performed shall be in accordance with the Revised Contract Bid Schedule herein and shall be considered as full compensation for all labor, equipment, materials, and incidentals required to complete the accepted item.

| REVISED BID SCHEDULE  |                 |                 |       |                                          |               |             |
|-----------------------|-----------------|-----------------|-------|------------------------------------------|---------------|-------------|
| ITEM                  | MODIFIED<br>QTY | ORIGINAL<br>QTY | UNITS | DESCRIPTION                              | UNIT<br>PRICE | TOTAL       |
| 1                     | 272.42          | 150             | TONS  | Removal of Grit in #2 Oxidation<br>Ditch | \$233.00      | \$63,473.86 |
| TOTAL CONTRACT AMOUNT |                 |                 |       |                                          |               | \$63,473.86 |

Your Contract Amount is hereby revised as indicated:

|                             |     |             |
|-----------------------------|-----|-------------|
| Original Contract Amount    |     | \$34,950.00 |
| Contract Modification No. 1 | ADD | \$28,523.86 |
| Revised Contract Amount     |     | \$63,473.86 |

There will be no extension of contract time.

Sincerely,

Penny Lyons  
Chairman

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Drain Masters, LLC hereby accepts the terms and conditions of Contract Modification No. 1.

\_\_\_\_\_  
Drain Masters, LLC

\_\_\_\_\_  
Date

LAKE OF THE OZARKS REGIONAL  
WASTEWATER TREATMENT PLANT  
REMOVAL OF GRIT IN #2 OXIDATION DITCH

MONTHLY ESTIMATE NO: Final  
EST. PERIOD ENDING: 1-6-2012

CONTRACTOR: Drain Masters, LLC  
24940 Spencer Road  
Waynesville, MO 65583

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|                              |             |
|------------------------------|-------------|
| ORIGINAL CONTRACT AMOUNT:    | \$34,950.00 |
| CHANGE ORDER NO. AND AMOUNT: |             |
| Contract Mod #1              | 28,523.86   |

|                            |             |
|----------------------------|-------------|
| REVISED CONTRACT AMOUNT:   | \$63,473.86 |
| CONTRACT COMPLETION DATES: | 90          |

TIME EXTENSION: \_\_\_\_\_

REVISED COMPLETION DATE: \_\_\_\_\_

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|                             |                            |
|-----------------------------|----------------------------|
| TOTAL IMPROVEMENTS TO DATE: | \$63,473.86                |
| Less Retained Amount:       | 0% of Total To Date \$0.00 |
| Less Previous Payments:     | \$34,950.00                |
| TOTAL DUE THIS ESTIMATE:    | \$28,523.86                |

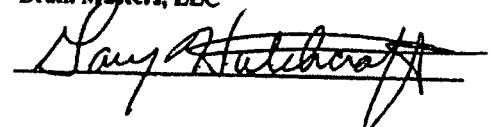
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|                             |        |
|-----------------------------|--------|
| PERCENT COMPLETION TO DATE: | 100.0% |
| CONTRACT TIME USED:         | 0.0%   |

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|                    |                                                                                                            |                     |
|--------------------|------------------------------------------------------------------------------------------------------------|---------------------|
| PAYMENT REQUESTED: | <br>Drain Masters, LLC | Date: <u>1-6-12</u> |
|--------------------|------------------------------------------------------------------------------------------------------------|---------------------|

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|                      |                                                                                                         |                     |
|----------------------|---------------------------------------------------------------------------------------------------------|---------------------|
| PAYMENT RECOMMENDED: | <br>Gary Hutchcraft | Date: <u>1/9/12</u> |
|----------------------|---------------------------------------------------------------------------------------------------------|---------------------|

**REMOVAL OF GRIT IN  
#2 OXIDATION DITCH**

| MONTHLY ESTIMATE NO. <u>Final</u> |                  |                 |       | PERIOD ENDING: _____                     |               |             |
|-----------------------------------|------------------|-----------------|-------|------------------------------------------|---------------|-------------|
| ITEM                              | Completed<br>QTY | Contract<br>QTY | UNITS | DESCRIPTION                              | UNIT<br>PRICE | TOTAL       |
| 1                                 | 272.42           | 272             | TONS  | Removal of Grit in #2 Oxidation<br>Ditch | \$233.00      | \$63,473.86 |
| TOTAL CONTRACT AMOUNT             |                  |                 |       |                                          |               | \$63,473.86 |

**RELEASE OF CLAIMS**

Contract Date: November 28, 2011

Whereas, by the terms of the above-identified contract for:

**Removal of Grit in #2 Oxidation Ditch**

Entered into by the Sewer Treatment Plant Board of Osage Beach and Lake Ozark and the contractor whose name appears on the contract as:

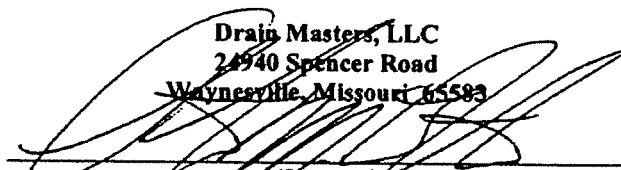
**Drain Masters, LLC**

It is provided that after completion of all work, and prior to final payment, the contractor will furnish the Sewer Treatment Plant Board of Osage Beach and Lake Ozark with a release of all claims:

NOW, THEREFORE, in consideration of the above premises and the payment by the Sewer Treatment Plant Board of Osage Beach and Lake Ozark to the contractor of the amount now due under the contract, to wit, the sum of Twenty Eight Thousand Five Hundred Twenty Three and 86/100 Dollars (\$28,523.86).

The contractor hereby remises, releases, and forever discharges the Sewer Treatment Plant Board of Osage Beach and Lake Ozark, its officers, agents, and employees, of and from all manner of debts, dues, liabilities, obligations, accounts, claims, and demands whatsoever, in law and equity, under or by virtue of the said contract except:

IN WITNESS WHEREOF, the contractor has executed this release this 6 day of JAN, 2012.

Drain Masters, LLC  
24940 Spencer Road  
Waynesville, Missouri 65583  
  
(Signature)  
STEVEN M. BUTLER  
(Name - Type or Print)  
OWNER  
(Title)

**COMPLETE ONLY IF CONTRACTOR IS A CORPORATION**

I, \_\_\_\_\_, CERTIFY That I am the \_\_\_\_\_ of the corporation named as Contractor herein; that \_\_\_\_\_, who signed this release on behalf of the corporation, was then \_\_\_\_\_ of said corporation; and that said release was duly signed for and on behalf of said corporation by authority of its governing body.

\_\_\_\_\_  
(Signature)

