

STATE OF MISSOURI

Jeremiah W (Jay) Nixon, Governor \* Sara Parker Pauley, Director

## DEPARTMENT OF NATURAL RESOURCES

573/368-2175 www.dnr.mo.gov

July 13, 2011

Lake Tishomingo Property Owners Association  
C/O Mr. John Dauernheim  
5699 Tishomingo Road  
Hillsboro, Missouri 63050

RE: Lake Tishomingo Dam (MO 30039) Jefferson County

Dear Mr. Dauernheim:

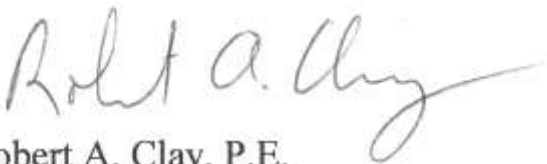
As a result of an inspection of the Lake Tishomingo Dam on June 28, 2011, I am pleased to inform you that Registration Permit R-156 has been renewed and is enclosed for your use. The term of the permit will be three years from the expiration date of the last registration permit issued for the dam and will expire on July 14, 2014. At that time, the dam will be reinspected by the Dam and Reservoir Safety Program at no cost to you. The permit is being renewed for three years based on the downstream environmental zone classification.

Please refer to the enclosed inspection report and summary for additional information on the inspection. If you have any questions, please feel free to contact Mr. Lloyd at (573) 368-2175.

Thanks for your cooperation in renewing this permit.

Sincerely,

**WATER RESOURCES CENTER,**



Robert A. Clay, P.E.

Chief Engineer

Dam and Reservoir Safety Program

RAC/clb  
Enclosure

**STATE OF MISSOURI  
DEPARTMENT OF NATURAL RESOURCES  
DAM AND RESERVOIR SAFETY COUNCIL**

**REGISTRATION PERMIT**

Pursuant to Chapters 236.400 through 236.500 of the Revised Statutes of Missouri and the rules established by the Dam and Reservoir Safety Council, and on the basis of an inspection by the Department of Natural Resources for the Lake Tishomingo Dam, Jefferson County, all of which are made a part hereof by reference, **PERMISSION IS HEREBY GRANTED** to Lake Tishomingo Property Owners Association, hereafter known as the permittee, whose address for the purpose of notices and other communications pertaining to this permit is 5699 Tishomingo Road; Hillsboro, Missouri 63050, which address is subject to change by written notice from the permittee, **TO OPERATE** said dam and reservoir located in Section 5, Township 41 North, Range 4 East, having identification number of MO 30039, a dam height of 63 feet, a principal spillway elevation of 547.5 feet (site datum), a minimum crest elevation of 555.4 feet (site datum), a reservoir area of 120 acres at the water storage elevation and approximate UTM Coordinates of 4,243,500 Meters North and 709,600 Meters East, Zone 15, subject to the following provisions:

**GENERAL PROVISIONS:**

1. No liability shall be imposed upon or incurred by the State of Missouri and/or the Dam and Reservoir Safety Council, or any of their officers, agents, employees, and members, officially or personally, on account of the granting hereof or on account of any damage to any person or property resulting from any act or omission of the permittee or any of its agents, employees, or contractors, or closed corporations or successors relating to any matter hereunder. This permit shall not be construed as estopping or limiting any legal claim or right of action of the state against the permittee, its agents, employees or contractors for any damages or injury resulting from any such act or omission by them or for violation of or failure to comply with the provisions of the permit or applicable provisions of law.
2. The permittee shall comply with all Federal, State and local laws and regulations, and shall obtain such other permits as may be required.
3. In cases where the doing by the permittee of anything authorized by this permit shall involve the taking, using or damaging of any property rights or interest of any other person or persons, or of any publicly owned lands or improvements thereon or interests therein, it is the sole responsibility of the permittee, before proceeding therewith, to obtain the written consent of all persons, agencies, or authorities concerned, and to acquire all property, rights and interests necessary therefore, including flood easements or permissions for all properties which may be

inundated by the dam on a temporary or permanent basis in the upstream impoundment area below the top of dam elevation.

4. The permittee shall notify the Dam and Reservoir Safety Council in writing upon the sale or other transfer of interest in the dam or reservoir.

5. Based on conditions existing at the time of issuing this permit, the Downstream Environment Zone is Class II. Future development in the vicinity of the dam and flood plain below the dam may result in a change in classification. This change will necessitate hydraulic and structural upgrading of the dam so the dam is in compliance with the rules and regulations of the Missouri Dam and Reservoir Safety Council. Permittee or its representatives, successors or assigns shall perform any such upgrading upon a change in classification and upon notification from the Missouri Dam and Reservoir Safety Council.

6. The permittee shall not alter, enlarge, reduce, repair or remove the dam, reservoir or appurtenances without first obtaining a construction permit from the Dam and Reservoir Safety Council.

7. The permittee shall immediately notify in writing, the Chief Engineer of any conditions relating to structural stability of and seepage through the dam discovered during the term of this permit which differs from those conditions identified in the renewal inspection summary.

8. The terms and provisions of this permit shall extend to and bind the successors in authority of the Dam and Reservoir Safety Council and the legally assigned successors in interest of the permittee.

9. Maintenance of the dam and reservoir herein permitted shall be the responsibility of the permittee.

10. The term of this permit shall be three (3) years from the expiration date of the last registration permit issued for the dam and will expire on July 14, 2011. The permittee shall apply for renewal not less than sixty (60) days prior to this expiration date.

Executed at Rolla, Missouri on this 13th day of  
July, 2011

**DAM & RESERVOIR SAFETY COUNCIL**



Robert A. Clay, P.E.

Chief Engineer

Dam and Reservoir Safety Program

**DEPARTMENT OF NATURAL RESOURCES  
DAM & RESERVOIR SAFETY PROGRAM  
DAM INSPECTION REPORT**

DATE: June 29, 2011

**COVER SHEET**

NAME OF DAM: Lake Tishomingo Dam

I.D.#: M030039

LOCATION: County: Jefferson

Section: 5, Twp. 41 N, Rge. 4 E

OWNER: Lake Tishomingo Property Owners Association  
ADDRESS: C/O Mr. John Dauernheim, President  
5699 Tishomingo Road  
CITY/STATE/ZIP: Hillsboro, Missouri 63050  
TELEPHONE: 636-274-1597

| PERMIT # | HAZARD CLASS | TYPE OF DAM |
|----------|--------------|-------------|
| R-156    | CLASS II     | EARTHFILL   |

TYPE OF SPILLWAY (s)

Principal Open channel on left abutment  
Emergency None

√ I hereby certify that the Lake Tishomingo Dam was inspected on June 28, 2011 in accordance with RSMO 236.400 through RSMO 236.500.

√ I hereby certify that the Lake Tishomingo Dam did not have any observed defects that required correction at the time of the inspection.

√ Judgement of Slope Stability — The embankment and appurtenant structures appeared to be in good overall condition at the time of the inspection, with no indications of slope instability or excessive seepage.

Defects were found that will have to be corrected prior to the permit being renewed.

| STATION | ELEVATION | COMMENTS                 |
|---------|-----------|--------------------------|
| TBM     | 547.5     | Principal spillway crest |
|         | 555.4     | Minimum crest of dam     |
|         | 547.6     | Water surface            |
|         |           |                          |
|         |           |                          |

Elevations are in feet and are based on the site datum of 547.5 feet at the temporary benchmark.



### Inspection Checklist

NAME OF DAM: *Lake Tishomingo Dam*

INSPECTION DATE: *June 28, 2011*

ID #: *MO 30039*

COUNTY: *Jefferson*

HAZARD CLASS: *2*

HAZARD CLASSIFICATION:  Unchanged       Changed

| Item                          | Condition* | Comments   |
|-------------------------------|------------|--|
| 1. Vegetation                 | N.P.       |  |
| 2. Seepage                    | O.R.       | Monitor the seepage in the right groin. If there is any change in the color or flow rate contact the Water Resources Center Dam Safety |
| 3. Principal Spillway         | N.P.       |  |
| 4. Emergency Spillway         | N.A.       |  |
| 5. Embankment                 | N.P.       |  |
| 6. Reservoir Area             | N.P.       |  |
| 7. Lake Drain Gates or Valves | NA.        |  |
| 8. Spillway Outlet Channels   | N.P.       |  |
| 9. Embankment Drain Outlets   | N.P.       |  |
| 10. Riprap                    | N.P.       |  |

\*N.P. = No observable problem; M.R. = Maintenance Required; D.O. = Defect Observed; E.C Emergency Condition; O.R. = Observation Required; N.A. Not Applicable

Required Freeboard: 7.7 feet

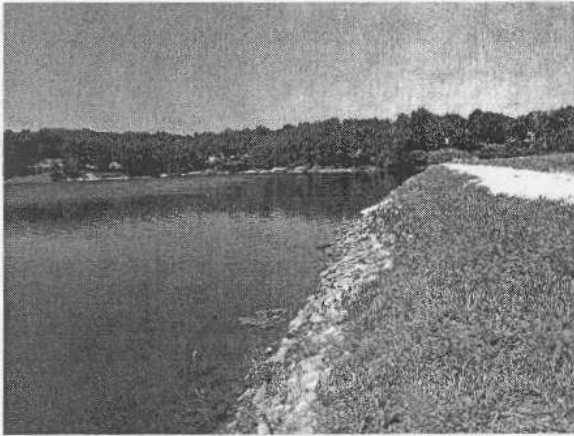
Available Freeboard: 7.9 feet

**RECOMMENDATION:**

Permit is being renewed

Permit is not being renewed

APPENDIX A: Photographs of MO30039 on June 28, 2011



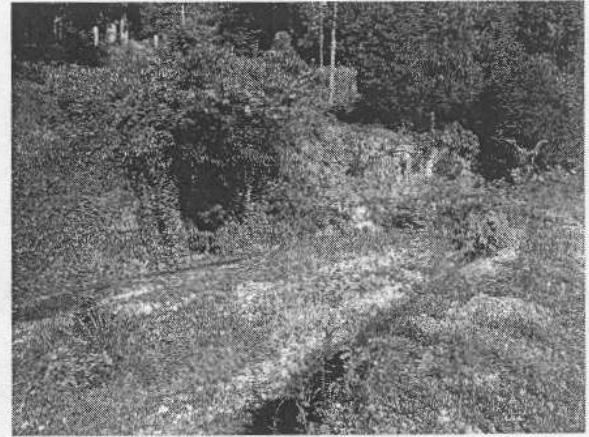
Upstream face



Downstream face



Principal spillway inlet



Principal spillway outlet



Crest of dam



Embankment drain outlet