

# *N O T I C E*

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**DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS  
(INDIVIDUAL WQC AUTHORIZATION)**

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**PROJECT:** Trigg County, Item No. 1-180.60  
Bridge Replacement

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The Section 401 activities for this project have been previously permitted under the authority of the Division of Water Individual Water Quality Certification. In order for these authorizations to be valid, the attached conditions must be followed. The contractor shall post a copy of this Individual WQC in a conspicuous location at the project site for the duration of construction and comply with the general conditions as required.

To more readily expedite construction, the contractor may elect to alter the design or perform the work in a manner different from what was originally proposed and specified. Prior to commencing such alternative work, the contractor shall obtain **written** permission from the Division of Construction and the Corps of Engineers. A copy of any request to the Corps of Engineers to alter this proposal and subsequent responses shall be forwarded to the Division of Environmental Analysis, DA Permit Coordinator, for office records and for informational purposes.



STEVEN L. BESHEAR  
GOVERNOR

LEONARD K. PETERS  
SECRETARY

**ENERGY AND ENVIRONMENT CABINET**  
DEPARTMENT FOR ENVIRONMENTAL PROTECTION  
DIVISION OF WATER  
200 FAIR OAKS LANE, 4TH FLOOR  
FRANKFORT, KENTUCKY 40601  
[www.kentucky.gov](http://www.kentucky.gov)

September 5, 2014

David Waldner, Director  
Kentucky Transportation Cabinet  
200 Mero Street, 5<sup>th</sup> Floor  
Frankfort, KY 40622

Re: Water Quality Certification #WQC 2014-051-1  
US 68/KY80 Over Lake Barkley - Trigg Co  
KYTC Item No. 1-180.60  
AI No.: 6816  
Activity ID: APE20140001  
Trigg County, Kentucky

Dear Mr. Waldner:

Pursuant to Section 401 of the Clean Water Act (CWA), the Commonwealth of Kentucky certifies it has reasonable assurances that applicable water quality standards under Kentucky Administrative Regulations Title 401, Chapter 10, established pursuant to Sections 301, 302, 303, 304, 306, and 307 of the CWA, will not be violated by the above referenced project provided that the U.S. Army Corps of Engineers authorizes the activity under 33 CFR part 330, and the attached conditions are met.

All future correspondence on this project must reference **AI No. 6816**. **The attached document is your official Water Quality Certification; please read it carefully.** If you should have any questions concerning the conditions of this water quality certification, please contact James Bicknell of my staff by calling (502) 564-3410.

Sincerely,

**Adam Jackson, Supervisor**  
Water Quality Certification Section  
Kentucky Division of Water

AJ:JB

Attachment

cc: Amy Robison, USACE: Nashville District  
Roy Collins, KYTC DEA

## KTC Water Quality Certification

US 68 - Trigg Co

Facility Requirements

Permit Number:WQC 2014-051-1

Activity ID No.: APE20140001

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### ACTV0000000005 (KYTC 1-180.60) Lake Barkley Bridge:

#### Submittal/Action Requirements:

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Condition No.	Condition
S-1	The Kentucky Transportation Cabinet (KYTC) must notify the Division: Due prior to any construction activity. Notify the Water Quality Certification (WQC) Section of the Kentucky Division of Water (KDOW) at (502) 564-3410 at least two weeks prior to construction. [Clean Water Act]
S-2	The KYTC must notify the Division: Due when construction is complete. Notify the WQC Section of the KDOW at (502) 564-3410 no later than two weeks post construction. [Clean Water Act]

#### Narrative Requirements:

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Condition No.	Condition
T-1	The work approved by this certification shall be limited to: - the loss of 750 linear feet of ephemeral stream channel due to bridge construction - the loss of 0.97 acres of open waterbody due to the construction of the Causeway - the loss of 0.33 acres of open waterbody due to the construction of the Bridge Piers (approach spans and main span). [Clean Water Act]
T-2	All work performed under this certification shall adhere to the design and specifications set forth in the application package titled " US 68/KY80 Over Lake Barkley 1-180.60" received by KDOW on April 4th, 2014. [Clean Water Act]
T-3	The KYTC is responsible for preventing degradation of waters of the Commonwealth from soil erosion. An erosion and sedimentation control plan must be designed, implemented, and maintained in effective operating condition at all times during construction. [Clean Water Act]
T-4	The Division of Water reserves the right to modify or revoke this certification should it be determined that the activity is in noncompliance with any condition set forth in this certification. [Clean Water Act]
T-5	If construction does not commence within two years of the date of this letter, this certification will become void. A letter requesting a renewal should be submitted. [Clean Water Act]

## KTC Water Quality Certification

US 68 - Trigg Co

Facility Requirements

Permit Number:WQC 2014-051-1

Activity ID No.: APE20140001

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### ACTV0000000005 (continued):

#### Narrative Requirements:

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Condition No.	Condition
T-6	Other permits from the Division of Water may be required for this activity. If this activity occurs within a floodplain, a Permit to Construct Across or Along a Stream may be required. Please contact Todd Powers (502-564-3410) for more information. If the project will disturb one acre or more of land, or is part of a larger common plan of development or sale that will ultimately disturb one acre or more of land, a Kentucky Pollution Discharge Elimination System (KPDES) stormwater permit shall be required from the Surface Water Permits Branch. This permit requires the development of a Stormwater Pollution Prevention Plan (SWPPP). The SWPPP must include erosion prevention and sediment control measures. Contact: Surface Water Permits Branch (SWPB) Support (502-564-3410 or SWPBsupport@ky.gov). [Clean Water Act]
T-7	Dredging work shall not be conducted during the fish spawning season, April 15th through June 15th. [Clean Water Act]
T-8	Mitigation for impacts shall begin prior to or concurrently with impacts. [Clean Water Act]
T-9	Check dams are not allowed within the stream channel. [Clean Water Act]
T-10	Remove all sediment and erosion control measures after re-vegetation has become well-established. [Clean Water Act]



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## **ATTENTION APPLICANT**

**If your project involves one or more of the following activities, you may need more than one permit from the Kentucky Division of Water.**

- \*building in a floodplain**
- \*road culvert in a stream**
- \*streambank stabilization**
- \*stream cleanout**
- \*utility line crossing a stream**
- \*construction sites an acre or more**

- **If the project will disturb one acre or more of land, or is part of a larger common plan of development or sale that will ultimately disturb one acre or more of land, a Kentucky Pollution Discharge Elimination System (KPDES) stormwater permit shall be required from the Operational Permits Section. This permit requires the creation of an erosion control plan.  
Contact Allen Ingram.**
- **Projects that involve filling in the floodplain will require a stream construction permit from the Floodplain Management Section.  
Contact Todd Powers.**
- **Projects that involve work IN a stream, such as bank stabilization, road culverts, utility line crossings, and stream alteration will require a stream construction permit and a Water Quality Certification from the Water Quality Certification Section.  
Contact Barbara Scott.**

**All three contacts listed above can be reached at 502/564-3410. A complete listing of environmental programs administered by the Kentucky Department for Environmental Protection is available from Pete Goodman by calling 502/564-3410.**

## **GENERAL CONDITIONS FOR WATER QUALITY CERTIFICATION**

1. The Kentucky Division of Water may require submission of a formal application for an Individual Certification for any project if the project has been determined to likely have a significant adverse effect upon water quality or degrade the waters of the Commonwealth so that existing uses of the water body or downstream waters are precluded.
2. Nationwide permits issued by the U.S. Army Corps of Engineers for projects in Outstanding State Resource Waters, Cold Water Aquatic Habitats, and Exceptional Waters as defined by 401 KAR 10:026 shall require individual water quality certifications.
3. Erosion and sedimentation pollution control plans and Best Management Practices must be designed, installed, and maintained in effective operating condition at all times during construction activities so that violations of state water quality standards do not occur.
4. Sediment and erosion control measures (e.g., check-dams, silt fencing, or hay bales) shall not be placed within surface waters of the Commonwealth, either temporarily or permanently, without prior approval by the Kentucky Division of Water's Water Quality Certification Section. If placement of sediment and erosion control measures in surface waters is unavoidable, placement shall not be conducted in such a manner that may cause instability of streams that are adjacent to, upstream, or downstream of the structures. All sediment and erosion control measures shall be removed and the natural grade restored prior to withdrawal from the site.
5. Measures shall be taken to prevent or control spills of fuels, lubricants, or other toxic materials used in construction from entering the watercourse.
6. To the maximum extent practicable, all in-stream work under this certification shall be performed during low flow.
7. Heavy equipment (e.g. bulldozers, backhoes, draglines, etc.), if required for this project, should not be used or operated within the stream channel. In those instances where such in-stream work is unavoidable, then it shall be performed in such a manner and duration as to minimize re-suspension of sediments and disturbance to the channel, banks, or riparian vegetation.
8. If there are water supply intakes located downstream that may be affected by increased turbidity, the permittee shall notify the operator when work will be performed.
9. Removal of existing riparian vegetation should be restricted to the minimum necessary for project construction.
10. Should stream pollution, wetland impairment, and/or violations of water quality standards occur as a result of this activity (either from a spill or other forms of water pollution), the Kentucky Division of Water shall be notified immediately by calling 800/564-2380.