



US Army Corps
of Engineers
Kansas City District

TUTTLE CREEK DAM

FACT SHEET

April 2001

PROJECT PURPOSES AND ECONOMICS

Project Purposes and Benefits:

The project purposes are flood control, recreation, fish and wildlife, water quality, water supply, and supplemental releases for navigation on the Missouri River downstream of Kansas City.

Average annual project economic benefits are as listed below:

Flood Control	\$46.0 million
Recreation & Other	\$6.5 million
Navigation	\$2.5 million

Total average annual benefits \$55 million (2000 Dollars)

Flood damages that have been prevented by Tuttle Creek since the early 1960s total \$3.9 billion. Some of the major flood years and damages prevented are 1993 - \$1.25 billion prevented; 1995 - \$697million; and 1999 - \$881million.

Dam Safety Assurance – Project Economics

Corps of Engineers regulation requires that economic justification for dam safety projects be developed on a sunk cost basis. In simpler terms, this essentially means that the total cost of any dam modifications divided by the number of years remaining in the economic life of the dam must be less than the project annual benefits. Therefore, the total cost of any modifications to Tuttle Creek dam divided by the remaining economic life of the project (60 years) must be less than the \$55 million average annual benefits being provided by the project.

Dam Safety Assurance – Population at Risk Projections

Using flood mapping developed based on extreme earthquake or flood events, we estimate the number of people potentially at risk in the flooded area to be 12,878 and the potential loss of life to be 384 people. These estimates are made from models developed by the Bureau of Reclamation, the Corps of Engineers and other sources. Any potential for loss of life, despite relatively low probability, is taken very seriously, hence the high priority placed upon community input and the Dam Safety Assurance Program.

This fact sheet is published by the U.S. Army Corps of Engineers, the lead agency for the Tuttle Creek Dam Safety Assurance Program. Comments or questions about this fact sheet or the Dam Safety Assurance Program should be directed to Bill Empson of the Kansas City District, Corps of Engineers at (816) 983-3556 or by E-mail at tcdam.nwk@usace.army.mil.

Questions or comments about lake operations or Tuttle Creek project office activities should be directed to the on-site Operations Manager, Brian McNulty at 785-539-8511.

For additional information, visit our web site: <http://www.nwk.usace.army.mil/tcdam>

