

Kansas Administrative Regulations

Kansas Department of Agriculture—Division of Water Resources

Article 40.—Design of Earth Dams

5-40-52. Stilling basins.

(a) For each new dam, for each primary spillway conduit replacement, and for each existing dam for which the chief engineer determines that it is necessary to protect the integrity of the embankment, each primary spillway conduit with a cross-sectional area in excess of 1.75 square feet shall discharge into one of the following:

- (1) A constructed stilling basin below the downstream toe of the dam; or
- (2) any other constructed works designed to dissipate energy and prevent erosion.

(b) If a stilling basin is required or constructed, the stilling basin shall be designed to dissipate the energy of the water exiting the conduit so that the stilling basin discharges water to the receiving channel without causing excessive erosion and the stilling basin itself is not damaged by full conduit flow.

(c) The invert of the outlet conduit that discharges into a stilling basin shall be located at least one foot above the tailwater elevation in the stilling basin when water is flowing through the primary spillway at the maximum rate of discharge during the design storm.

(Authorized by and implementing K.S.A. 2006 Supp. 82a-303a; effective May 18, 2007.)

***** Authenticated Kansas Administrative Regulation *****