

Kansas Administrative Regulations

Kansas Department of Agriculture—Division of Water Resources

Article 40.—Design of Earth Dams

5-40-43. Cutoff trench.

(a) Each dam shall have a cutoff trench. The cutoff trench shall meet all of the following requirements:

- (1) Have side slopes no steeper than one horizontal unit to one vertical unit;
- (2) have a bottom width of 10 or more feet as necessary to meet the compaction requirements of K.A.R. 5-40-44;
- (3) be constructed to the depth justified in the design report based on the findings in the geotechnical report, unless observations by the inspecting engineer during construction justify a different depth;
- (4) be backfilled with the most impervious material available at the site. If no impervious material is available at the site, then this material shall be procured off-site;
- (5) be backfilled with material that is contiguous to and homogeneous with the most impervious zone within the dam, if the dam is designed as a zoned fill;
- (6) be constructed in lifts that shall not exceed nine inches for each lift; and
- (7) be constructed of a material that has been brought to acceptable moisture content.

(b) The material placed in the cutoff trench shall be placed according to the same specifications as those required for the embankment in K.A.R. 5-40-44.

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

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