

## Glen Elder Dam Spillway Structure Concrete Repairs

The concrete spillway structure at Glen Elder Dam, near Glen Elder, Kansas is scheduled to receive maintenance repairs starting in the summer of 2009 and extending through the summer of 2010.

The spillway at Glen Elder Dam is a concrete structure containing twelve regulating gates used to control flood water. The concrete used to construct the Glen Elder Dam spillway in the 1960s is particularly susceptible to deterioration from cycles of freezing/thawing. A portion of the concrete on the upstream side of the spillway structure has experienced significant deterioration and requires repairs to maintain the spillway's structural sliding stability. The repairs will include: 1) selectively removing the deteriorated concrete using ultra-high pressure water jetting, 2) placing new concrete to the original lines and grades, and 3) covering the repairs with soil to provide additional protection from further deterioration.

