

2011 ASSINIBOINE DIKES – EMERGENCY ENGINEERING

MIT

Winnipeg, Manitoba



Project Description

KGS Group was retained by MIT during the 2011 Assiniboine River Flood to provide emergency engineering assistance to MIT throughout the Assiniboine River and Lake Manitoba Basin. KGS Group senior hydrology, hydraulics, geotechnical, and civil / structural engineers were actively engaged in all areas of the basin, including Melita dikes, emergency construction of diking systems at Souris and Wawanesa, St. Laurent, and Dauphin River, as well as emergency response to the north abutment of the Wawanesa Dam, the Assiniboine Diversion dikes, and most critically the Assiniboine River Diking system.

KGS Group's assistance to the dikes consisted of an initial emergency response to "Willy's Farm" section of dikes during the April 15-17 ice jam and over topping, pre-flood inspection of dike integrity prior to the arrival of the main peak, continuous dike inspection and reporting, plus geotechnical direction to MIT and the Canadian Forces at 30 different emergency situations that developed along the dikes during the 90 days they were required to hold back flood waters.

KGS Group was awarded the ACEC Manitoba "Keystone Award" for its overall contribution to the Assiniboine Flood.