

Overview of the Keystone Risk Assessment and High Consequence Maps

March 2007

Risk Assessment

Keystone is providing an update to the Risk Assessment filed with the Department of State in July 2006. The report incorporates an updated hydraulic model based on the September 2006 alignment but does not address the more recent Hecla Sandhills, Chain of Rocks, and Wood River route alternatives.

Both the spill frequency-volume report (Appendix A) and the environmental consequences were updated. This report will incorporate a new appendix (Appendix B) that provides a preliminary evaluation of risk to high consequence areas (HCAs). This appendix will be submitted to the Department of State in April 2007.

HCA Maps

Keystone has provided maps of HCAs along the pipeline route and along the major route alternatives (Hecla Sandhills, Chain of Rocks, and Wood River). These maps illustrate HCAs designated by the US Department of Transportation (USDOT). Per federal regulations (Integrity Management Rule, 49 CFR Part 195), Keystone is currently identifying portions of the Keystone Pipeline system that have the potential to affect HCAs (Appendix B of the Risk Assessment). As discussed below, Keystone has utilized the HCA maps to refine the locations of valves to mitigate effects in the unlikely event of a spill.