

Keno Hill Closure Planning

Water management technology at Galkeno 900

In order to demonstrate the viability of sulfate reduction technology for the removal of metals, especially zinc and other metals that react with aqueous sulfide, a pilot study was undertaken. A bioreactor was constructed at the Galkeno adit of the Keno Hill Mine site.

The water flow and chemistry characteristic of Galkeno 900, which are similar to several other adits in the district, are the main reason for choosing Galkeno 900 as the preferred test location.



Galkeno 900 by Crystal Lake and Crystal Creek with the sludge pond and the bioreactor by the adit.

The design of either a large-scale bioreactor or an in situ reduction field at several other adit drainage locations will be determined upon the overall details of the operational parameters.

The 2009 work plan objectives is to determine if the test has been successful and if the technology would be an applicable treatment technology for other sites in the Keno Hill District.

We are currently reviewing a proposal regarding the development of a plan for human health and ecological risk assessment for the Keno Hill Mine site. This will form the basis of NND's environmental monitoring work plan for the winter 2009/2010. The following are pictures of Keno 700 site.



Keno 700 before and after the hazard reduction work.



Mount Haldane and the South McQuesten River valley.

Thank You/ Mussi Cho!

If you have any questions about the closure and reclamation at Keno Hill Property or if you have any knowledge you wish to share with us, please feel free to contact Josée Lemieux-Tremblay, Mining Liaison Coordinator for Na-Cho Nyak Dun First Nation, 996-2265 Extension 134, or miningliaison@nndfn.com and we will direct you to the appropriate program person. Submitted by Josée Lemieux-Tremblay