



Closedure - Mine Closure Technologies Resource

Päivi Kauppila, Tommi Kauppila, Antti Pasanen, Soile Backnäs, Marja Liisa Räisänen, Kaisa Turunen, Teemu Karlsson, Lauri Solismaa, and Kimmo Hentinen

Geological Survey of Finland, Kuopio, Finland (paivi.kauppila@gtk.fi)

Closure of mining operations is an essential part of the development of eco-efficient mining and the Green Mining concept in Finland to reduce the environmental footprint of mining. Closedure is a 2-year joint research project between Geological Survey of Finland and Technical Research Centre of Finland that aims at developing accessible tools and resources for planning, executing and monitoring mine closure. The main outcome of the Closedure project is an updatable wiki technology-based internet platform (<http://mineclosure.gtk.fi>) in which comprehensive guidance on the mine closure is provided and main methods and technologies related to mine closure are evaluated. Closedure also provides new data on the key issues of mine closure, such as performance of passive water treatment in Finland, applicability of test methods for evaluating cover structures for mining wastes, prediction of water effluents from mine wastes, and isotopic and geophysical methods to recognize contaminant transport paths in crystalline bedrock.