

ROMAN PREIBLER

Topic: Mine rescue operation management system and effective operations

Presentation 1:

Title: Difficult recovery with high angle rescue in underground potash mine

To avoid excessive mine convergence, surface damage or rock bursts and to keep the mine safe, the chambers in potash mines with steep gradients have to be backfilled with salt and salt by-products. The backfilling process is done with the LHD technique. In doing so the salt is discharged into the extraction chamber via the top pillar edge. In order to secure against a fall a salt dam is poured and solidified on the pillar edge to stop the vehicle going over the edge. During the discharging process the driver scraped the dam gradually because he had not lifted the scoop high enough so that he eventually drove over the edge and crashed down about 100 meters. The physically very demanding and dangerous recovery was carried out by the mine rescue team which was also trained in high angle rescue. This special training is offered by the central mine rescue stations and is now an integral part of the training concept of German mine rescue teams. This presentation describes the training content and difficult execution of the recovery.