

# **SOLUTION MINING RESEARCH INSTITUTE**

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**MEETING  
PAPER**



## **ROCK MECHANICAL STUDIES ON THE POST-OPERATIONAL PHASE OF A DISPOSAL CAVERN**

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## **Study Objectives**

- **Is Load-Bearing Capacity of Rock Mass Sufficient to Prevent Sudden or Gradual Collapse of Caverns?**
- **Does the Stored Material have a Stabilizing Effect over the Long Term?**
- **Will Unacceptable Deformations Occur Which Might**
  - **Prejudice the Functionality of the Cavern**
  - **Result in Surface Subsidence - Hazardous to the Integrity of Structures, or Affecting the Hydrological Status Quo?**

