

Developing methodology on stress change in potash mines

The goal of this research is to further develop a methodology for estimating stress change in potash mines. It will consist of lab tests and field trials to determine if the 2-cell approach, introduced in the IMII project “Stress Monitoring Potash Mines”, can be demonstrated as a viable method for stress change monitoring.

Mr. Latham Hamlin is the MSc student working on this research. This project is directed towards augmenting other work with additional lab testing and field instrumentation to maximize the value from the field trials and lab tests. Part of this research involves improving the vibrating wire stress cell’s calibration graph, that the manufacturer supplies, so it can be better applied in potash mines. The improved calibration graph would include guidelines for site specific laboratory calibration.

PROJECT INFORMATION:

Proponent: University of Saskatchewan

Project Duration: July 2021 to January 2023

Project Cost: \$35,625

IMII & Industry Contribution: \$35,625



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