

# Underground Dust Collection System

The objectives of this project will be to identify a transfer point underground in a potash mine and install a new and innovative dust collection skid to provide the proof of concept for this design to both collect and treat the potash dust. Working with industry, a testing methodology will be developed to apply to a transfer point before and after the installation of the dust collection system. This will allow the benefits to be quantified for future justification for commercializing the new technology.

This project could help to increase efficiency in the Saskatchewan potash industry by reducing the clean-up requirements associated with dust in the underground belt drifts. This increased efficiency will help support decreased emissions associated with diesel powered mobile equipment. It will also allow workers to be re-prioritized onto higher productivity work associated with production requirements.

**Proponent:** Continental Mine and Industrial Supply Ltd.

**Project Duration:** July 2020 to June 2021

**Project Cost:** **\$114,125**

IMII Contribution: \$147,670

CMI: \$ 92,000

Industry In-Kind: \$ 58,000



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