

CAREER PROFILE

MINING ENGINEERING TECHNOLOGIST



Name: Sheldon Pardy
Employer: Agrium Inc. Potash
Education: 3 year Civil Engineering
Technician Diploma.

DETAILS OF THE JOB: Along with three other surveyors Sheldon is responsible for: drafting development and cutting prints for the mining machines; marking up (spray paint) the walls and back and laying out cutting instructions for the miners; installing & moving guide lasers to keep the mining machines online while cutting; performing 3D scans; tabulating tonnage for each of the machines and providing month-end reports; performing and documenting quarterly, and spot ventilation flow, and heat stress readings; performing mine sampling as required (Diesel particulate matter (DPM), Silica, Noise); and managing mine gas detectors by performing readings as required.

A TYPICAL DAY: After arriving on site, the Mining Engineer Technologist reads the shift report to obtain the status of the mining machines, as well as take information from CAD (computer aided drafting) that is needed for the day. A brief meeting with the supervisor occurs before the Mining Engineer Technologist heads underground to advance the laser and survey control at each machine. Any other jobs for the day (markups, shoot-in, etc...) are then completed. On arriving back at the surface, the Mining Engineer Technologist updates the mine layout plan with the new control points, as well as drafts maps and completes office work.

SKILLS NEEDED:

- Communication, team work, problem solving, leadership, and math skills are important

COMMENT: "I chose this job because it was in a field that I had no experience in, and I wanted to learn more about mining. It's great because there is a good split between being in the office and in the field. Even though some of our tasks are kind of repetitive, our days are never exactly the same; so the job doesn't get monotonous."

WHERE CAN I GO TO GET AN EDUCATION? Saskatchewan Polytechnic, Northlands College

HELPFUL HIGH SCHOOL COURSES: Energy and Mines 10/20/30, Physical Science 20, Earth Science 30, Physics 30, Mathematics 30

NOC: 2212

www.acareerinmining.ca