



Shovel Supervisor Operator Training

Course Duration

Four Hours

Target Audience

This training is targeted Supervisory personnel responsible for the daily operation of P&H electric mining shovels.

Description

Supervisors will gain insight into the overall machine operation and learn required user maintenance areas. Initially a classroom presentation is conducted which is followed by hands-on training with the shovel in a production environment. Supervisors will be given the opportunity to apply new knowledge and practice the techniques covered in the classroom.

Prerequisites

At least on year of field experience in mining environment. It is also suggested that students complete Operator eLearning training modules.

Course Location

Field

Course Objectives

Upon completion of this course the student will be able to:

- Make walk around safety inspections
- Operate the shovel in a productive and safe manner to avoid damage to equipment and reduce overall operating cost.

Main Concepts

- Production Techniques
- Various Digging Techniques
- Drives Windows overview
- AC800M (Advant Controller 800) Hardware overview
- Control Builder overview
- Auxiliary Systems Operation
- System Maintenance and Troubleshooting

Course Outline

- Propelling
- Steering
- Over-extension of dipper handle
- Side impacts
- Boom jacking
- Hoist ropes
- Dipper filling
- Dig sequence
- Truck spotting
- Ingression in an emergency situation
- Communications
- Shovel swing radius
- Traffic patterns
- Clean up at the shovel
- Positioning of power cables
- Maintaining bench grades