

RPM | MINEPLANNER

STEEP COAL (SC)

COURSE CONTENT

Workspace

Create a workspace and navigate Workspace Explorer.

Reserving

Construct an in situ block model, with solids of steeply dipping coal seams and associated interburden layers. Aggregate working sections affected by loss and dilution with moisture correction. Import design solids and cut them into alternating waste and seam solids and precisely shaped benches and blocks. Reserve the geology against the designs to generate the scheduling reserves.

Dump Design

Generate an ex-pit dump model from imported solids, with specific waste materials and lift and block layouts.

HAULNET

Create a haulage model using the design tools and import options. Analyse travel times using trucks based on real life equipment.

Scheduling (Introduction)

Run and analyse a schedule with the imported models. Configure the schedule decisions of each resource. Create mining rules, product blending rules, and objectives to drive the schedule.

Scheduling (Advanced)

Refine the schedule using more advanced functionality, based on real life scenarios.

Overview

This course teaches participants how to take a disciplined approach to mine scheduling using RPM's MinePlanner. The course teaches students the core functionality of the product through pre-configured workshops that are designed around real-life scenarios.

Learning Outcomes

- Learn how to generate an in situ block model with steeply dipping seams and associated working sections affected by loss and dilution.
- Understand the distribution of different materials within blocks and seams.
- Grasp the tools that split the pit along the seam boundaries and subdivide those solids into precise benches, strips, and blocks.
- Understand the options for generating and analysing the scheduling reserves.
- Know about importing topography surfaces to define the mined and filled portions of the deposit and dumps.
- Learn about creating a haulage network.
- Learn how to build the foundation of a schedule.
- Comprehend mining rules to enforce mining and filling limits and dependencies.
- Understand how to optimally allocate material to manage the operations of stockpiles, processing facilities, and products.
- Learn about generating and analysing a schedule with portions that control the schedule decisions of each resource.

Who is the Course For?

- Mine Scheduling/Planning Engineers
- Planning Managers/ Superintendents
- Senior Operations Personnel
- System Administrators

Delivery Mode

Classroom

Duration

Three to five days

Want to Learn More?

Contact training@rpmglobal.com

Training Workshops

Workspaces

- Workspace Explorer
- Create a Workspace

Reserving

- Deposit Model Setup
- Help and Navigation
- Establish Model Configuration
- Establish In Situ Block Model
- Establish Working Sections
- Configure Design Solids
- Create Scheduling Blocks
- Analyse Scheduling Reserves

Dump Design

- Dump Model Setup
- Configure Dump Solids
- Establish Material Zones
- Establish Reported Fields
- Create Scheduling Dump Blocks
- Review Dump Data

HAULNET

- Create a HAULNET Model
- Construct
- Interpret
- Rationalise
- Analyse

Scheduling (Introduction)

- Schedule Setup
- Configure Scheduling Reserves
- Configure Haul Network
- Establish Schedule Configuration
- Establish Schedule Start Status
- Establish Mining Rules
- Establish Objectives
- Execute Schedule
- Analyse Schedule

Scheduling (Advanced)

- Advanced Schedule Setup
- Before Extraction Activities
- Spatial Zone Reporting