

Ohai Mine - Pit Slope Design, Southland, NZ

Clients

Solid Energy New Zealand.

Project

Slope movements in the operating open pit were interpreted in terms of the geological structure present in the pit. Steep seam dips and multiple faults limited the ability to win the identified coal resource. Slope designs were developed to allow winning of the coal and generally provide long term slope stability suitable for post mining landforms. Areas recognised as having potential for short term instability were monitored and revisions made to slope designs as appropriate during operations. At mine closure there will be some reshaping to produce slopes compatible with the long term landform.

Services provided

- Investigation and assessment of existing slope failures
- Geotechnical slope design for pit operations
- Designs to meet long term landform criteria
- Operations advice based on review of slope monitoring information.

