

Ohai - End of Mine Life Landform, Southland, NZ

Clients

Solid Energy New Zealand.

Project

The Ohai Coal Mine Lease (CML) area encompasses historic underground and open pit working, waste dumps, workshop and plant sites. Tonkin & Taylor has conducted a staged study across the site to develop landform designs suitable for end of mine life and conversion of the CML to rural land. The focus has been on historic open pits with unstable cut and fills. The approach is conventional with attention to detail, optimising local materials and conditions. The approach has been to maximise ultimate pit lake level, designed for acceptable water quality discharge to the local trout stream. Slopes above lake level are designed for stability against failure and performance in design earthquakes. Slope angles, heights and drainage are adjusted to provide long term erosion control and ease of vegetation.



Services provided

- Geotechnical slope design for long term landform
- Erosion and drainage design for long term landform
- Pit lake design for water discharge quality.