

## Dams/Earthworks



**Project:** Extension to Residue Storage Areas

**Client:** Alcoa

**Completed:** March 2004

**Details:**

Extension to one of Alcoa's many Residue Storage Areas.

**Scope included:**

- Installation of grout curtain consisting of a mixture of bentonite and cement to adjoin two existing clay liners by excavating existing embankment crest and intersecting with underlying clay seal that measured approx 500 lin m long by 7m deep and 600mm wide
- The installation of 9,205 sq m of Geosynthetic clay liner
- The installation of 1,400 lin m of drain coil with sock protection
- The placement and compaction of 2,000 bcm of clay seal
- The reinstatement of limestone roadway above grout curtain