

GREENVALE DAM - CONSTRUCTION MANAGEMENT



Project Synopsis

- *Project and engineering management*
- *Excavation of downstream embankment*
- *Installing fine and coarse filters*
- *Conditioning and re-compacting earthfill*
- *Bored filter pile construction*
- *Concrete works (Spillway & Filter outlet structures)*
- *Dewatering*
- *Piezometer installation*
- *Reno mattress construction*

Client: Thies (Melbourne Water)

Location: Greenvale, VIC

Year: 2014-15

Value: \$31M

Thies was awarded the Greenvale Dam Safety Upgrade Project to strengthen the 2.8km long Greenvale Dam to meet current design standards.

Novel Group was engaged to assist in the construction management of the project, coordinating the delivery of the project to meet the specified and ANCOLD requirements for the reconstruction of a dam wall of this nature.

The project involved:

- Project management and engineering related duties to deliver the project to the specified requirements
- Excavation of the downstream embankment using scraper operation
- Installing new fine and coarse filters
- Conditioning and recompacting earthfill to the specified requirements
- Construction of bored filter piles
- Concrete works including spillway and filter outlet structures
- Lower Right Abutment works (including dewatering)
- Piezometer installation
- Reno mattress installation