

**TULLAROOP DAM - CONSTRUCTION  
MANAGEMENT**



**Project Synopsis**

- Project and engineering management
- Excavation of downstream embankment
- Installing fine and coarse filters
- Placing a rockfill toe and buttress
- GPS Machine Guidance
- Concrete works (IH1, IH2 and Survey markers)
- Piezometer monitoring and re-routing
- Roadworks (965m)
- Reinstatement

**Client:** Goulburn-Murray Water

**Location:** Majorca, VIC

**Year:** 2015-16

**Value:** \$9.75M

Goulburn-Murray Water decided to self-perform works associated with the Tullaroop Dam Safety Upgrade Project to strengthen the 420m long Tullaroop Dam to meet current design standards.

Novel Group was engaged for the Construction Management of the project, coordinating the delivery of the project to meet the specified requirements for the reconstruction of a dam wall of this nature.

The project involved:

- On-site Construction management and engineering related duties to deliver the project to the specified requirements
- Excavation of the downstream embankment using a GPS excavator and truck operation
- Installing new fine and coarse filters
- Placing a rockfill toe and buttress
- Concrete works including Instrument House No.1 and 2 and survey markers
- Piezometer monitoring and re-routing
- Roadworks
- Reinstatement

The project finished 6 weeks ahead of program and with significant cost savings that were used to increase the scope of works.