

## GREENVALE DAM - LOWER RIGHT ABUTMENT DEWATERING



### **Project Synopsis**

- *Supply and installation of compressed air dewatering system*
- *Pumping up to 35m depth at 5 to 0.5l/min from 18no wells*
- *Use of venturi and diaphragm pumps*
- *Compressor installation*
- *Commissioning, testing and monitoring*

**Client:** Thiess (Melbourne Water)

**Location:** Greenvale, VIC

**Year:** 2014

**Value:** \$62K

Thiess 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 install a dewatering system throughout the Lower Right Abutment prior to commencing excavation works in this geotechnically challenging area.

The project involved:

- Supply and installation of pipework for compressed air dewatering system using venturi and diaphragm pumping systems
- Supply and install compressor sized to run the system
- Commissioning and testing of venturi type air operated pumping system
- Record and monitor system

Works were undertaken over a two month period.