



SWAN VALLEY IRRIGATION SCHEME MELROSE DAM - TASMANIA

Foundation Grouting

AUSTRALIA



Melrose Dam Foundation drilling and grouting

Owner

Tasmanian Irrigation

Engineer

GHD

General contractor

Halls Earthmoving

Period of works

November 2016-December 2016

Main figures**Rock grouting**

1500lm of drilling, 16000L grout



Water Pressure Test

Project description

Melrose Dam is the water storage for the Swan Valley Irrigation Scheme and will be used to store water pumped from the Swan River predominately during winter and drawn down during the 120 day summer irrigation season. The dam is situated off the Tasman highway via Cranbrook on the east coast of Tasmania. It is a 3000ML 27.5m high zoned earthfill embankment dam with an assigned consequence category of High B. Menard Oceania was contracted by Tasmanian Irrigation to carry out the installation of 20m deep 500m long grout curtain along the dam foundation alignment.

Ground conditions

The ground condition comprises of dark grey organic rich topsoil underlain by variably silty and sandy clays of medium to high plasticity, underlain by weathered dolerite.

Solution

Menard completed 1500lm of drilling, 295 no of water pressure test hook up and injection of 16,000 L of grout in less than 4 weeks - 2 weeks in advance of the construction programme.



Drilling and Grouting in dam key way