

Case Study 2:

Mining Camp Water Supply Disinfection

Teck Cominco Mining Company via Pernatty Station, South Australia



Gen 1 Cell

Background

The camp has an average occupancy of 35 people resulting in an average daily requirement of 7000 litres of water.

This water is supplied from a nearby dam and requires filtration, disinfection and a small quantity treated by reverse osmosis for drinking. The method of disinfection in these type of applications has historically been by the addition of a metered dose of chlorine. An alternative to chlorine was attractive due to the remote location and difficulty in transporting chlorine to the site.

Challenge

To supply water of the quality required using an automatic filtration and Hydro-dis® treatment system that does not need chemicals.

Outcome

The system has been running since its installation and commission in December 2005, with excellent results throughout its operating life. The system was decommissioned when the camp was deactivated in 2009.