

Upgrading the drinking water supply, treatment and distribution system at a mine site in the Pilbara



TRILITY was engaged to upgrade the drinking water supply at a large mining company



Upgrading the drinking water supply, treatment and distribution system to improve compliance with a large mining company's drinking water standards

Following a detailed risk assessment our client set their sights on providing their workforce, across a number of locations, water that exceeded the Australian Drinking Water Guidelines (ADWG).

TRILITY demonstrated competence in the delivery of various water treatment technologies ensuring they could offer a complete package to include all the treatment required and therefore became a sole supplier of all the water treatment systems. TRILITY was involved in design, procurement, manufacture, installation and commissioning.

The project was to upgrade the drinking water supply, treatment and distribution system to improve compliance with drinking water guidelines. The system was constructed for an installed capacity of 1.6ML/d. The scope of works included the supply of a chlorination building, chemical dosing skids, pump buildings, tanks, ultraviolet disinfection and filtration skids for the production and distribution of potable water.



Who

Western Australia's mineral and petroleum industry had a value of \$115 billion in 2017-2018. Iron ore mining in Western Australia is predominantly, but not exclusively, carried out in the Pilbara region, which produced ore in value of A\$26.82 billion in 2009, out of an overall iron ore production value of A\$28.1 billion for the state

Where

Pilbara, Western Australia

Why

The client wanted to provide water that exceeded the Australian Drinking Water Guidelines to their workforce across multiple sites.

Snapshot

Client	Mining company
Technology	Liquefied chlorine gas disinfection modules, ultrafiltration, multimedia filtration and UV disinfection
Capacity	1.6ML/d

What

Complete water treatment plant, including:

- Disinfection modules
- Nano filtration skids
- Ultraviolet disinfection skids
- Multi media filtration skids
- Chemical dosing skids
- Pumping skids for reticulation over a large network

For further information

New South Wales and
Australian Capital Territory
+61 2 4350 8200

Victoria
+61 3 9325 3900

Northern Territory and
South Australia
+61 8 8374 7800

Western Australia
+61 8 9412 6100

Queensland
+61 7 3802 9500

products@trility.com.au

Tasmania
+61 3 6391 7300