



CASE STUDY:

Ranger Mine OBS Treatment Plant

Location

Ranger, NT

Description

This project involved the Osmoflo Brine Squeezer (OBS) as a treatment solution to concentrate brine from the existing desalination plants at the Ranger mine site as part of its mine closure and rehabilitation programme. The OBS plant at the mine was help maximise the conversion of contaminated wastewater to water suitable for environmental release.

Features

B&R Signature Series Form 4A MCC,
1600A 50kA
Schneider hardware throughout

Scope

Design, construction



Design Specifications:

- IP54
- Indoor installation
- Rated Operating Voltage (Ue): 415VAC
- Current Rating (In): 1250A
- Operating Frequency (Fn): 50Hz
- Rated Insulation Voltage (Ui): 600V
- Short Circuit Rating: 36kA
- Earthing System: TN-S
- Form Rating: FORM 4a
- Design Temp: 0-40°C

Enclosure Specifications:

- External material: 2.0mm Mild Steel
- Powdercoated: RAL7035 External
- Powdercoated: Gloss White Internal
- Escutcheon Colour: Gloss White
- Door Locks: Square Bit Key
- Cable Entry: Top
- Gland Plate Material: 6.0mm Aluminium Plate

