

Product Case History



Somerset Dam - Sluice Gates

LOCATION: Queensland

DATE OF APPLICATION: June 2017

MARKET: Water & Wastewater

PROJECT SIZE: 0 Square Meters

AREA COATED: Sluice Gates

SUBSTRATE: Steel

SURFACE PREP: SSPC-SP 10 (Near White Blast)

PRODUCTS: Carboguard 690

PROJECT DESCRIPTION:

Somerset Hydro Electric Station contains 8 gates measuring 2.44 x 3.66 wide, which facilitate the generation of 4 megawatts of power from the Somerset Lake (133,000 hectares).

The gates & tunnel were completed some 15 years ago by Altex and were due for a maintenance repaint.

All products and equipment had to be brought in along the en-trance tunnel, which is only approx. 2m high x1.5m wide and some 150m long.

COATING SELECTION EXPLANATION:

SYSTEM:

Gates: 2 x full coats of Carboguard 690, with all bolts being brush applied.

Tunnel: 7.0m section steel coated with Carboguard 690

EXPOSURE:

One side of the gates immersed when the gates are closed. When the gates are opened, the tunnel is immersed.

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ADDITIONAL PHOTOS:

