



Name

BHP SITE REMEDIATION – Closure Area 1

Client

Regional Land Management Corporation



Project Description

- Remove in-ground concrete structures
- Construct open drains and box culverts
- excavation and bulk earthworks
- Construct a 500mm thick low permeability VENM capping layer
- Management & tracking of all contaminated materials and soils
- Stormwater controls

Site Location

Former Steelworks, Newcastle

Value

\$27 million

Duration

March 2007 – May 2008

Referees

Patrick Smythe 02 4924 4900

Key Personnel

Project Manager – Michael Rummery
Supervisor – Peter Hibbert





Significant Achievements

- Carry out detail excavation and earthworks to the design site levels (400,000m³)
- Undertake major drainage works open drains (1050 m) and box culvert structures (390 m)
- Pavement cap compromised:
 1. A select layer of site won material, a crushed concrete layer and a two coat seal (184,000m²)
 2. A 500mm thick VENM capping layer from imported low permeability material (80,000m³)
- The establishment and operation of an on-site precast yard to make 96 x twin-cell precast concrete box culvert units (each 5m x 4m x 2.6m weighing approx. 50t)
- Careful control of fugitive emissions to ensure that dust and stormwater did not pollute the adjoining Hunter River
- An extensive system of dewatering was deployed to ensure dry working conditions, an integrated system of spears and deep wells points connected to suction pumps via twin 225mmØ was maintained during construction. At its peak a total of 28 well-point pumps were deployed at any one time

Extent of Involvement & Role of Proponent (S)

Daracon was the principle contractor on this project.

