

Project Profile

Nelson Point Stage 2 Demolition of Redundant Buildings



Client	BHP
Location	Port Hedland, Western Australia
Duration	January 2018 - March 2018
Contract	Lump Sum Construct Only
Cost	\$1.4 million

Project Overview

BHP were undertaking a program of demolition works at their Nelson Point port facilities. One package of works was to demolish four buildings and 17 high bay lights in a manner so that all mechanical energy such as pressure, gravity and hydrocarbon was removed from all assets. BHP awarded the contract to McMahon Services after the successful delivery of the Nelson Point North Yard Decommissioning project at the same site.

Scope of Work

Works comprised the mechanical demolition of seven buildings and 17 high bay lights at Nelson Point yard and included the port office, control building, substation and de-dusting system, high bay lights, mess, port growth office and shift maintenance workshop. Demolition methods included manual dismantling using cranes and scaffolding and mechanical demolition using excavators. Over 740t of concrete, 260t of steel, 420t of demolition waste and 5000L of waste water and hydrocarbons was remediated offsite.

Service works included the physical separation of all redundant water and sewerage pipes, slurry lines and compressed air lines. Other works included the drainage and disposal of all stored fluids including gearboxes and de-gassing of air conditioning systems.

14 of the high bay lights were within one metre of an active rail line and required track access training for the work crews, short rail shutdown periods to undertake the works and a Traffic Protection Officer.

Upon completion of demolition works, the site was rehabilitated with the removal of concrete footings and the installation of reticulation over 1800m² of turf. Over 380m² of concrete paths were also constructed.

