

Carnarvon spiral: Reactor fence

Project overview

This project aims to construct a protective fence around the installed Carnarvon spiral reactor. The purpose of the fence is to ensure personnel safety and prevent unauthorised access. The fence must be constructed in compliance with the relevant standards.

Scope of services/work

- The fence must be constructed as follows
 - **Dimensions**
 - 6m x 6m
 - Finished fence height (above-ground), ~1.8-2m with 1 gate(1m x ~1.8-2.1m.) by the corner.
 - Finished poles depth (under ground), 0.6-0.8m with concrete
 - Earth all corner poles and gate support poles (5 points - 4 corners + 1 gate support)
 - Crushed stones surfacing shall be laid inside the fence area and shall extend outside by 2m on three sides, the other side shall be extended to cover the RMU area, with a depth of 0.05m (50mm). The total surface area to be covered is 12m x10m around the reactor and RMU. The stone size shall be 19mm.



Figure 1: Fence around the reactor and signs.



Figure 2: Crushed stones and earth bonding on the reactor casing