



## PROJECT PROFILE

### RWOS MAJOR EQUIPMENT SPECIFICATIONS

#### CLIENT CHALLENGE

The Bruce Nuclear Generating Station required assistance with the development of its Radioactive Waste Operation Site (RWOS). Several current Palladium personnel were retained at that time (prior to the incorporation of Palladium Product Development & Design) as outsourced engineering support for the CANDU nuclear reactors in tooling, casks and handling equipment for the transportation and storage of irradiated materials.

#### PROJECT HIGHLIGHTS

Over a period of two years, the RWOS facility was designed to provide safe processing, handling, storage, and monitoring of approximately 2,000-80-tonne Dry Storage Containers for used fuel. The work effort included development of the system design criteria and final specifications for the procurement and installation of equipment for the processing of Dry Storage Containers (DSC) at the new Used Fuel Dry Storage Facility. The equipment included; 100/15 ton Overhead Crane, Automatic DSC Welder, Weld Pre-heater, Weld X-Ray machine, Transfer Clamps, Pre-weld Vacuum System, and Helium Leak test.



#### NUCLEAR ENGINEERING

Palladium Product Development & Design continues to provide ongoing engineering services to the Nuclear industry and several of the same personnel are active with continued upgrades and product improvement programs. Working with reactor core technologies and fuel handling and transportation systems are design and engineering competencies provided by Palladium today.