

Replacement Refueling Platform Controllers

Background

Westinghouse, through its subsidiary PaR Nuclear, Inc., has designed the boiling water reactor (BWR) replacement righthand and left-hand controllers that use new joysticks for bridge, trolley and hoist operations. This replacement, which greatly improves performance and reliability, includes complete right- and left-hand controllers and matches the form, fit and function of existing Westinghouse BWR refueling platform controllers.

Description

The replacement controllers consist of two complete enclosures with all required indicators, switches, push buttons, controllers and miscellaneous mounting hardware. The controllers mount on the existing mounting plates.

The controllers are factory tested at PaR Nuclear for complete functionality prior to shipping. The completed factory acceptance test and installation procedures accompany the controllers so that installation and site testing can be completed by plant personnel using existing plant procedures.



BWR replacement controllers

Benefits

Replacement controllers include:

- Replacement single-axis right-hand and lefthand joysticks
- Easy-to-follow installation procedure
- Drawings and bills of material for replacement controllers
- Copy of completed factory acceptance test

Joystick features include:

- Robust, industrial design
- Fixed or field-adjustable microswitch cams
- Field-replaceable microswitches and electronic modules
- Rugged drive gear mechanism
- Proven neoprene boot design
- Mechanical life exceeds one million cycles
- Handle deflection of ± 37.5 degrees from center

Additional benefits:

- LED indicators eliminate the current incandescent bulbs
- No wiring or hardware modifications required



Original equipment manufacturer controls single-axis joystick