Source and Intermediate Range Nuclear Instrumentation Detectors were installed at Salem Generating Station Learning and Development Center – training facility for Maintenance and Operator Training. This system is used to provide plant operators information regarding Nuclear Reactor Power Level in all operating modes.

Shown are Westinghouse Source and Intermediate Range Nuclear Instrumentation Detectors (right), a Power Range Detector Mock-up (cut-away center), and a Fuel Assembly Mock-up (vertical rod assemblies at left). At the training facility, the Source Range and Intermediate Range detectors are connected to the associated Westinghouse Drawers to create operational channel mock-ups for testing and troubleshooting.

The mounting represents the correct physical relationship between the detectors and the fuel as would be seen in the actual plant application.

Note: Also seen in the far left of the photo’s is a Westinghouse Control Rod Drive Mechanism connected to the training departments Rod Control System (also fully operational).