INEEL Foreign Research Reactor (FRR) Project Fuel Examination Video System

The FRR project video system is used to visually assess and verify U.S. origin spent nuclear fuel rods from foreign Training, Research, and Isotope General Atomic (TRIGA) research reactors for shipment to and storage at the INEEL. The video system consists of:

- underwater camera with focusable radiation hardened lens having pan-and tilt capability
- underwater backlight
- backlight and camera control modules and power supply
- 2 Super VHS recorders
- 2 video monitors
- miscellaneous support equipment including cabling, headsets, tubing for equipment deployment, reference gauges, etc.

Prior to shipment, the cladding integrity must be characterized within a 2 year period for aluminum clad fuel rods and within 5 years for stainless steel or incoloy clad fuel rods. Additionally, the shipping configuration of the fuel rods by serial numbers must be verified prior to shipment to the US.