

Irradiated Fuel Bundle Verifier

An instrument with which to reverify the presence of spent fuel was developed for use in the event that continuity of surveillance in the spent fuel bay is interrupted. Prototype instruments — which are actually light-intensifying devices for observing the blue glow given off by irradiated fuel in water — have been purchased, modified, tested and given to the IAEA. Non-CANDU applications for these instruments have already been identified.



View through scope

Photos: Canadian Safeguards Support Program



Core Discharge Monitor

The approach to safeguards at multi-unit CANDU stations involves a device known as a core discharge monitor which records all movement

of fuel out of the core of the reactor. The first of these has been installed at the Darlington CANDU reactor station. (Not illustrated).