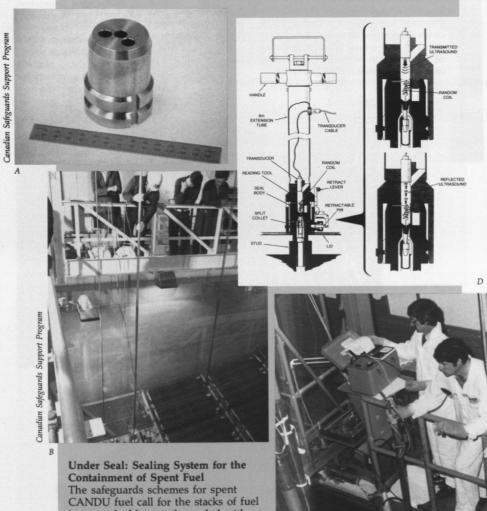
Figure 7 Equipment Developed Under the Canadian Safeguards Support Program



in spent fuel bays to be sealed with devices which can be applied and, if possible, checked in situ, under water. The Support Program developed a seal that uses high frequency sound waves (ultrasound) to determine whether the integrity of the seal has been breached coil creates a unique reflection pattern (A). These seals are installed using a long rod (B) and can be routinely checked by inspectors using a special Seal Pattern Reader (C). Each seal contains a wire coil. When an ultrasonic wave is sent to the seal, the verifiable seal anywhere in the world.

which is destroyed if the seal is tampered with or removed (D). The seal has been accepted for routine use by the IAEA, making this the first application of an underwater in situ

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