

N151. Dosimetry Reduction

In order to reduce the radiation dose rate to which personnel are exposed during nuclear power unit servicing operations, Framatome TIA has received an order from EDF/UTO for thermocouple column biological shielding. The thermocouple columns are watertight penetrations for the in-core temperature-measurement thermocouple tubes gathered together in bundles. EDF/UTO is the part of Electricite de France (EDF) responsible for organizing the maintenance of French nuclear power units. This order is for the design, manufacture, and installation of the biological protection around the thermocouple columns. Two products will be developed, one each for the French 900 MWe and 1300 MWe series pressurized water reactor units.

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