

3485. PWR Fuel-in Full Reactor Coolant System Decontamination Qualification

The successful decontamination at the Indian Point 2 PWR highlights the dose reduction and economic benefits of a fuel-out full system decontamination (FSD) in a commercial U.S. LWR. Subsequent in-service data from the Indian Point 2 PWR showed very low levels of deposited activity (recontamination) following the fuel-out FSD. Low levels of recontamination will have a positive effect on the economics of both fuel-out and fuel-in FSDs. Ultimately, a fuel-in FSD will offer additional economic benefits for utilities by shortening the critical path time and further reducing personnel exposures. This report describes phase 1 of EPRI's Fuel-in Full RCS Chemical Decontamination Qualification Program. It is anticipated that the issue of boron monitoring and control will be resolved in the next phase of the study.

For more information see: EPRI TR-107986, Final Report, September 1997, 160 pages. Electric Power Research Institute, P.O. Box 10412, Palo Alto, CA 94303.

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