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CHEMICAL DECONTAMINATION FOR DECOMMISSIONING

Keywords: CONTAMINATION REMOVAL; DECONTAMINATION;
DECOMMISSIONING; DOSE; DOSE RATE; PWR; STEAM GENERATOR

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Objectives: To develop a dilute chemical decontamination process for assisting in the decommissioning of redundant items of nuclear plants.

Comments: The process under development has been designed to be applied primarily to redundant PWR steam generators, but may also be used for other plant items including those which have been contaminated outside the reactor coolant system.

Remarks: The characteristics of the process are similar to other processes used for decontaminating subsystems of operating nuclear plants for purposes of reducing operational radiation exposures. However the new process can achieve very high decontamination factors as is required for decommissioning.

References: Bradbury, D., "Chemical Decontamination for Decommissioning," Proceedings, EPRI Radiation Field Control and Chemical Decontamination Seminar, Tampa, Florida, November 1995, available from EPRI Distribution Center, P.O. Box 23205, Pleasant Hill, CA 94523, Phone: (501)934-4212.

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