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U.S.A.

R-419

CHEMICAL RESULTS OF FULL SYSTEM DECONTAMINATION AT INDIAN POINT 2

Keywords: CONTAMINATION REMOVAL; DOSE; DOSE RATE;
DECONTAMINATION; FULL SYSTEM DECONTAMINATION;
DECONTAMINATION FACTORS; INDIAN POINT 2

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Objectives: To document the chemical results from the March, 1995 full system chemical decontamination of Indian Point 2.

Comments: A five-step CAN-DEREM/AP (alkaline permanganate) process was used to decontaminate the Indian Point 2 reactor coolant system, residual heat removal system, chemical and volume control system and portions of the primary sample system.

Remarks: The decontamination was very effective in reducing radiation dose rates at Indian Point 2. A calculated total of 3,906 curies of gamma-emitting isotopes were removed by the decontamination. The average decontamination factor was 7.8 based on the results of radiation survey measurements at 55 locations throughout the plant.

References: LePage, J. T. and D. Schneidmiller, "Chemical Results of Full System Decontamination," 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.

Duration: from: 1993 to: 1996

Funding: N/A

Status: Completed

Last Update: May 7, 1996