WM SYMPOSIA
EDUCATION & OPPORTUNITY IN RADWASTE MANAGEMENT
A NON-PROFIT ORGANIZATION

Track 1 - Crosscutting Policies and Programs

Analysis of the Radioactive Inventory of the Secondary Circuit of a PWR Nuclear Power Plant

Mon, February 27 | EX Hall - Student Poster Lounge | Student Poster Competition

Part of:
040 Posters: Student Competition: Future Industry Leaders of Tomorrow (1.2a)

Info

Select a Track:
Track 1

Presentation Summary:
The present work analyzes the leakage of radioactively contaminated water from the primary cooling water circuit of a PWR nuclear power plant, to the secondary coolant circuit that results from the rupture of a single or multiple tubes of the steam generators. The radioactive inventory of spent ion-exchange resins from both the primary and secondary circuits are compared using data generated in gamma spectrometry of resin samples. Results are expected to aid in characterizing NPP operational radioactive waste by the scaling factors and correlation functions method.

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