NATIONAL DEMONSTRATION OF A FULL RCS CHEMICAL DECONTAMINATION

Keywords: CONTAMINATION REMOVAL; FULL SYSTEM DECONTAMINATION; DECONTAMINATION; PWR

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Project Manager:

Objectives: Provide a status report on plans for a FSD of Indian Point 2 in 1995 and detail several tasks that Consolidated Edison is working on toward that goal.

Comments: In 1988 Consolidated Edison, EPRI, ESEERCO and nine other utilities began a qualification program on how to chemically decontaminate the entire Reactor Coolant System of a Westinghouse PWR. A FSD is planned for Indian Point 2 in 1995. The majority of the services for the decon will be performed by Pacific Nuclear and Westinghouse. Some of the areas that Con Ed is working on are:

1) BMI Seals - Obtain and train personnel to install new high pressure seals for use while the Bottom Mounted Instrumentation is removed during FSD
2) Clean Seal Injection for RCP Seal - Prevent plugging of the seal injection cartridge filter or damage to the RCP seals at high particulate levels during FSD
3) Develop a test plan to monitor every aspect of the FSD
4) Dead leg flushing - Identify areas where the piping may have to be flushed after the FSD.
5) Reactor Water Storage Tank Clean Up
6) Calculate and track decontamination factors and recontamination rates
7) Demobilization of decontamination equipment

Remarks/Potential for dose limitation: The plans to perform the first chemical decontamination of a PWR in early 1995 are on schedule. There are no major technical concerns with the implementation plan, just a lot of work.


Duration: from 1988 to 1995
Funding: N/A

Status: In progress
Last Update: September 30, 1993