

N3407. Chemical Decons

PN Services successfully decontaminated the reactor recirculation systems at Carolina Power and Light's Brunswick Unit 2 and Georgia Power's Plant Hatch Unit 1 during their spring 1996 outages. The Decontamination Factors (DFs) achieved, which were the average reductions in radiation levels throughout the systems, were greater than 50 and 30 respectively using the Electric Power Research Institute (EPRI) Low Oxidation State Metal Ion (LOMI) process and Nitric Permanganate (NP) conditioning steps. Recently, PN Services has had excellent results applying these processes particularly to boiling-water reactor systems using Hydrogen Water Chemistry (HWC).