N3460. PWR Shutdown Chemistry Control During Short Duration Outages

"Using the most recent version of the PWR chemistry guidelines helped us minimize personnel exposure during a short duration outage in which we had to contend with a substantial number of failed fuel rods." (Reuben Hamilton and Bruce Schmidt, Omaha Public Power District.)

- The shutdown procedure described here resulted in a person- rem savings of $154,000, with $26,000 being realized from a measured 50% reduction in dose rates in the vicinity of a reactor coolant pump.
- Being able to avoid placing a non-lithiated ion exchange bed into service saved $25,000 in radwaste costs.

For more information see: PWR Primary Water Chemistry Guidelines: Revision 3. EPRI TR-105714, November, 1995.