

Results of Detailed Reviews

Water Chemistry Management Program

Scope of Inspection

The inspectors reviewed the licensee's activities to implement commitment number 24, item 2, of the Oyster Creek NRC License Renewal Safety Evaluation Report. This commitment added the "B" Isolation Condenser Shell into the scope of Oyster Creek license renewal. In addition, it required the licensee to develop a Water Chemistry Management Program to manage the loss of material and crack initiation and growth aging effects.

Non-destructive evaluations (NDE) were performed on the interior of the "B" Isolation Condenser shell to provide reasonable assurance that the aging effects of the water in the shell will not impact the intended safety function of the Isolation Condenser.

The inspectors observed the non-destructive evaluations on the interior of the "B" Isolation Condenser shell and independently reviewed the results. The NDE (work order C2017561-11) included an interior visual inspection of the shell, ultrasonic testing in two locations that were previously UT tested in 1996 and 2002, UT testing in areas of identified pitting and corrosion and spark testing of the final interior shell coating. The inspectors compared the UT results with those measured in 1996 and 2002 to verify the corrosion rates would not impact the operability of the Isolation Condenser. Also, the UT results were reviewed against the minimum wall criteria for the Isolation Condenser shell.

Findings and Observations

No findings of significance were identified. The inspectors identified no instances of inadequate implementation of the Water Chemistry Management Program.

G/05