

Callaway Investigation of NRC Information Notice 2004-05 Spent Fuel Pool Leakage at Salem

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ABSTRACT

During investigation of NRC Information Notice 2004-05, it was discovered that ground water samples below the unit contained low level (< 1000 pCi/L) of H-3. Tritium was also found in several aquifers around the site and intermittently in the cooling tower basin. An exhaustive sampling regimen and investigation of the source of H-3 was conducted and determined to be from the recirculation of plant liquid effluents to the cooling tower. A presentation on the sampling regimen, results, conclusions, supporting documentation, extent of conditions, dose impact, pathway impact, solutions, etc. will be discussed.