
The Phenomena Identification And Ranking Table (PIRT) Coatings Research Project



Client/Owner: United States Nuclear Regulatory Commission

CCC&L was engaged by the United States Nuclear Regulatory Commission (USNRC) to Chair the Industry Coatings Phenomena Identification and Ranking Table (PIRT) Panel. The Panel identified and ranked phenomena and processes associated with Pressurized Water Reactor containment coatings failure mechanisms, failed coating debris characteristics and time to failure in normal operating and accident conditions.

Phenomena identified by the Industry Coating PIRT Panel were ranked “High”, “Medium” or “Low” in relationship to each phenomenon’s influence on research into containment coatings performance.

The information generated by the Industry Coating PIRT Panel (published in 1999 and available at www.nrc.gov, ADAMS Accession Number ML003733475) was used by Westinghouse Savannah Technical Center in execution of its research project related to containment coatings failures as they affect Emergency Core Cooling System (ECCS) strainer blockage.