Probabilistic Risk Assessment of Ageing Nuclear Power Plants

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Background

Nuclear structures, systems and components deteriorate over time due physical and chemical mechanisms. Ageing causes increase in the overall risk of the plant.

Objectives

Analyse the impact of components ageing on the risk of operating nuclear plants. Propose a methodology to assess optimal operation and maintenance policies.





Cacciabue, P., Amendola, A. and Cojazzi, G. (1986). Dynamic Logical Analytical Methodology Versus Fault Tree: The Case Study of the Auxiliary Feedwater System of a Nuclear Power Plant. Nuclear Technology, 74(2), pp. 195-208.