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Research Activities on Ageing Technical Evaluation in Japan

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Abstract

Regarding ageing management of nuclear power plant in Japan [1], it is important to conduct research and development in the fields of inspection and monitoring, ageing evaluation, and preventive maintenance and repair technology. And also, researches on evaluation of material degradation are of importance to carry out the evaluations of structural integrity for components.

Since October 2003, Japan Nuclear Energy Safety Organization (JNES) has been conducting research activities related ageing management and material degradation of nuclear power plants to ensure nuclear safety and to promote the establishment of code and standards, in collaboration with the Nuclear and Industrial Safety Agency (NISA) the regulatory authority of the nuclear safety ensuring in Japan.

In this paper, current research activities related the ageing management and the material degradation evaluation for components of nuclear power plants in Japan will be presented.

Reference