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RECENT PROGRESS IN THE STUDIES OF FORMAT AND CONTENT OF SAFETY ANALYSIS REPORTS ON FACILITATING DECOMMISSIONING FOR CHINA NPP

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Abstract:Nuclear power plants usually have a typical design life of 40 years which can be extended up to 60 years. At the end of their operating life-times, they need to be decommissioned to ensure the safety. The design and operational management of early nuclear power plants were given inadequate consideration for the decommissioning resulted in difficulty in dismantling reactor, large amounts of waste, and high costs when implementing decommissioning. Decommissioning has become an important issue that has hindered the development of nuclear power.
Safety analysis report is a major technical document reviewed by regulatory authority, and therefore should include the relevant content on facilitating decommissioning. China National Nuclear Safety Administration has asked the operator to prepare an independent chapter (Chapter20) for describing design features and operational measures to facilitate decommissioning in safety analysis report for nuclear power plants in 2013. This paper introduces the format and content of the newly developed Chapter 20 of the safety analysis reports for academic exchanges.

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Country or International Organization

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