Component Reliability Analysis for Development of Component Reliability
DB of Korean Standard NPPs

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Abstract
In this paper, the reliability data used in PSA performed at HANARO design stage are compared with the generic data compiled by IAEA. In order to produce specific-site data, reliability data collection has been initiated. Appropriate database format has been developed and coded database until the year, 2001 has been analyzed for some selected components. These are also compared with the generic data. This study will be continued for more components and PSA application that can contribute for the safe and effective operation of HANARO will be proposed from the result of this study. The specific-site reliability data produced will be a source to review HANARO PSA and to perform PSA of similar reactors.