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Research Article

Comparative Evaluation of Coolant Mixir Experiments at the ROCOM, Vattenfall, a Gidropress Test Facilities

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Abstract

Coolant mixing is an important mitigative mechanism against re Experiments on coolant mixing were carried out at three differen types. These are the ROCOM test facility modelling a German KON model of a Westinghouse three-loop PWR, and the Gidropress test of the start-up of the first main coolant pump was investigat accompanied by velocity measurements in the downcomer for the facilities. A similar flow structure was found in these measuremeasured at the opposite side in regard to the position of the locarea was found just below this inlet nozzle in both facilities. The a comparable flow behaviour. In accordance with the velocity measured on the opposite side. In this region, the maximum deborativalues are in the same order of magnitude for nearly identical initial

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