

INTERIM REPORT

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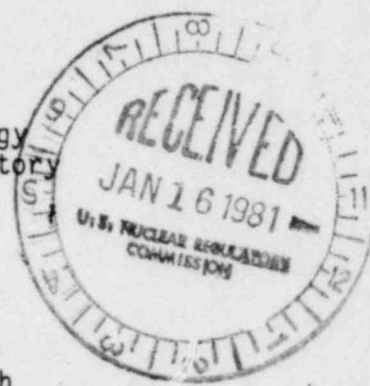
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NRC Research and Technical
Assistance Report

Simulator Project Highlights
for
November 1980*

PROGRAM: Simulator Improvement
FIN No. A-3014

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Commission.

NRC Research and Technical
Assistance Report

This letter covers the highlights of the Simulator Improvement Program for the month of November 1980. The program is budgeted under activity number 601901-10.

1. Review of Thermohydraulics Models in Existing Simulator (W. Wulff)

The report on the thermohydraulics models of an existing BWR training simulator which had been edited earlier to include the simulator manufacturer's comments has been internally reviewed and edited. A draft copy has been sent to NRC. The review of thermohydraulics models in an existing BWR simulator is near completion. A number of questions have arisen in the review of the model's documentation and are being submitted for resolution by the simulator manufacturer.

2. Acquisition of Special-Purpose Computer (C. Durston)

The RFP for the solicitation of proposals for a special-purpose peripheral processor and host computer has been completed. The Proposal Evaluation Panel, established in accordance with DOE HQN1350.1 regulations, has met and approved the proposal evaluation methods specified in the RFP. An implementation plan has been drafted in accordance with DOE HQN1360.1 regulations for the acquisition and installation of the peripheral processor and associated equipment.

3. Existing BWR Code Adaptation for Simulator (S. Cheng and C. Durston)

A draft has been completed on the formulation and scaling of the governing equations for the thermohydraulics in a BWR plant. The draft is being reviewed.

Programming has been initiated on the PDP-11 computer at BNL to prepare the function generations for the BWR plant simulation.

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