

INTERIM REPORT

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Author(s): Robert A. Bari

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Responsible NRC Individual
and NRC Office or Division: Dr. Themis P. Speis, Chief
Advanced Reactors Branch
Division of Project Management
U. S. Nuclear Regulatory Commission
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Brookhaven National Laboratory
Upton, New York 11973
Associated Universities, Inc.
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NRC Research and Technical
Assistance Report

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MONTHLY HIGHLIGHTS

for

May 1980*

PROGRAM: Advanced Reactor Safety Analysis
Technical Assistance, Reactor Projects
Fin No. A-3000

Robert A. Bari, Group Leader

Department of Nuclear Energy
BROOKHAVEN NATIONAL LABORATORY
Upton, New York 11973

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MONTHLY HIGHLIGHTS

TASK I. ACCIDENT ANALYSIS (R. A. Bari)

John Meyer (MIT) is continuing his review of our previous efforts on low heat flux sodium boiling.

TASK II. POST-ACCIDENT CONTAINMENT ANALYSIS (W. T. Pratt)

There was no progress this month.

TASK III. PLANT DYNAMICS AND RELIABILITY ANALYSIS (R. A. Bari)

FFTF Natural Circulation Test Program (K. R. Perkins)

The SSC pre-test analysis of FFTF natural circulation tests has been reviewed.

TASK IV. REACTOR PHYSICS (H. Ludewig)

LMFBR Conceptual Design Study (A. Mallen and H. Ludewig)

The BOEC core composition has been determined in R-Z geometry. An EOEC core will be determined using this core as a starting point. Cross-section libraries at various temperatures with and without sodium are also being prepared. These are to be used to determine the Doppler and void coefficients of the above two cores.

Distribution

BNL RSP Associate Chairmen
BNL RSP Group Leaders
BNL SEG Personnel

J. F. Meyer (15)
T. P. Speis
U.S. NRC Division of Technical
Information and Control (2)