

INTERIM REPORT

Accession No. _____

Contract Program or Project Title: Light Water Reactor Thermal Hydraulic
Development Program

Subject of this Document: August Monthly Highlight Letter

Type of Document: Monthly Highlight Letter

Author(s): Nesim Abuaf and others

Date of Document: August 1980

Responsible NRC Individual
and NRC Office or Division: Dr. Y. Y. Hsu
Division of Reactor Safety Research
Systems Engineering Branch
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555



This document was prepared primarily for preliminary or internal use. It has not received full review and approval. Since there may be substantive changes, this document should not be considered final.

Brookhaven National Laboratory
Upton, New York 11973
Associated Universities, Inc.
for the
U.S. Department of Energy

Prepared for
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555
Under Interagency Agreement DE-AC02-76CH00016
FIN No. A-3045

8101220076

RES

NRC Research and Technical
Assistance Report

Monthly Highlights

for

August, 1980*

Light Water Reactor Thermal Hydraulic Development Division

Nesim Abuaf
Experimental Modeling Group
Department of Nuclear Energy
Brookhaven National Laboratory
Upton, New York 11973

* Work carried out under the auspices of the United States Nuclear Regulatory Commission.

NRC Research and Technical
Assistance Report

1. Non Equilibrium Phase Change Studies

(N. Abuaf, P. Saha, Y. Sanborn)

A final report on the subject is in preparation. Typical experimental results were compared with TRAC-PLA prediction. The comparison of the BNL model with the experimental data was initiated.

Distribution Light Water Reactor Thermal Hydraulic Development Program

BNL RSP Division Head
BNL RSP Group Leaders
BNL RSE Personnel

S. Fabric, NRC
Y. Y. Hsu, NRC
W. Y. Kato, BNL
H. J. Kouts, BNL
R. M. Scroggins, NRC
L. M. Shotkin, NRC
T. G. Theofanus, Purdue University
N. Zuber, NRC

U.S. NRC Division of Technical Information and Control