

INTERIM REPORT

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Contract Program or Project Title:

PWR Blowdown/ECC

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Author(s):

G. W. Burnette

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Responsible NRC Individual and NRC Office or Division:

W. D. Beckner

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.

Prepared for  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

INTERIM REPORT

POOR ORIGINAL

NRC Research and Technical  
Assistance Report

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NUCLEAR ENERGY

ENGINEERING

DIVISION

Mail Code 583

September 16, 1980

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Washington, D.C. 20555

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SUBJECT: BWR Blowdown/ECC Program  
Contract No. NRC-04-76-215  
Informal Monthly Progress Report for August 1980

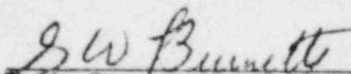
Gentlemen:

The following summarizes the subject matter covered in the attached report:

Work continues on the proposed upgrade to the TLTA. Completion of the last large break test has been delayed due to data acquisition system problems. Evaluation of the data from Test 6424 (peak power, average ECC) and Test 6425 (average power, average ECC) continues. Work on the final reports for the large break, small break, and boil-off tests has been started.

Distribution of this report is being made in accordance with the "Monthly Distribution List" provided with W.D. Beckner's letter of September 6, 1979.

Very truly yours,

  
G.W. Burnette, Manager  
External Programs (408) 925-5375

/fs: enclosures

cc: R.G. Bock, M.C. 110

NRC Research and Technical  
Assistance Report

BWR BD/ECC PROGRAM  
FIFTY-EIGHTH MONTHLY PROGRESS REPORT  
AUGUST 1980

Prepared for:

Division of Reactor Safety Research  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555  
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and:

Electric Power Research Institute  
3412 Hillview Avenue  
Palo Alto, California 94303  
EPRI Project No. RP-495-1

and:

General Electric Company  
175 Curtner Avenue  
San Jose, California 95125

by:

General Electric Company

under:

Contract No. NRC-04-76-215

BD/ECC Program  
FIFTY-EIGHTH MONTHLY REPORT  
August 1980

Summary

Work continues on the proposed upgrade to the TLTA. Completion of the last large break test has been delayed due to data acquisition system problems. Evaluation of the data from Test 6424 (peak power, average ECC) and Test 6425 (average power, average ECC) continues. Work on the final reports for the large break, small break, and boil-off tests has been started.

Task AA - Program Planning and Administration

Nothing to report.

Task CC - Test Facility Design and Fabrication

"Non-LOCA" test requirements in the TLTA are being defined preliminary to finalizing the proposed upgrade to the TLTA.

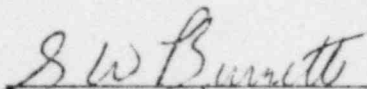
Task FF - Testing

Completion of the last large break test (#6426) has been delayed because of several different data acquisition system (DAS) problems. At this time no completion date has been established.

Task GG - Analysis

Evaluation of the data from Test 6424 (peak power, average ECC) and Test 6425 (average power, average ECC) is continuing. Results of break flow measurements for Test 6425 indicate that the drag discs and turbine meters functioned properly. Mass balances for these two tests are being determined for comparison with break flow measurements.

The outline for the final report on the large break tests is completed and will be issued separately. Work on the final reports for the small break and boil-off tests has been initiated.

  
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G.W. Burnette, Manager  
External Programs (408) 925-5375

/fs: attachments