

INTERIM REPORT

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Responsible NRC Individual and NRC Office or Division: W. D. Beckner

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

INTERIM REPORT

NRC Research and Technical
Assistance Report

GENERAL ELECTRIC

NUCLEAR ENERGY
BUSINESS GROUP

GENERAL ELECTRIC COMPANY, 175 CURTNER AVE., SAN JOSE, CALIFORNIA 95125

March 12, 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 FEBRUARY 1980

Gentlemen:

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

Planning and preparation for the second small break test continued through the month. Definition of initial and transient boundary conditions was completed and reviewed at a special PMG meeting. TLTA equipment check-out was completed and evaluation of data from the first small break continued.

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
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M/C 583, Telephone (408) 925-5375

cc: R.G. Bock

/fs

NRC Research and Technical
Assistance Report

BWR BD/ECC PROGRAM
FIFTY - SECOND MONTHLY REPORT
FEBRUARY 1980

Prepared for:

Division of Reactor Safety Research
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555
NRC FIN NO. B3014

and

Electric Power Research Institute
3412 Hillview Avenue
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EPRI Project No. RP-495-1

and

General Electric Company
175 Curtner Avenue
San Jose, CA 95125

By

General Electric Company

Under

Contract No. NRC-94-76-215

FIFTY-SECOND MONTHLY REPORT

FEBRUARY 1980

SUMMARY

Planning and preparation for the second small break test continued through the month. Definition of initial and transient boundary conditions was completed and reviewed at a special PMG meeting. TLTA equipment check-out was completed and evaluation of data from the first small break continued.

TASK AA - PROGRAM PLANNING & ADMINISTRATION

A special PMG meeting was held in Silver Spring, MD. on February 5th, 1980 to review results from the first small break test and the planning for the second small break test. The main objective of the meeting was to get PMG concurrence on test conditions for the second small test. The test conditions were generally acceptable to the PMG and a few minor changes have been incorporated as recommended by the PMG.

The basis and conditions for TLTA small break No. 2 were issued¹ this month. This upcoming test is intended to meet all objectives of the originally planned, small break scoping test.² The approach that will be used to compensate for some of the known scaling compromises³ in TLTA is to simulate the most significant events through operational sequencing. An attempt will be made to approximate the time of core uncover and the outside level movement immediately preceding the core uncover.

TASK CC - TEST FACILITY PREPARATION

Final preparation of the TLTA for the second small break test was completed. This included checkout of the ADS mockup, the modified small break system and the pressure control system. The second small break test is scheduled for the first week in March.

TASK FF - TLTA TESTING

No tests were conducted during the reporting period.

TASK GG - ANALYSIS

Evaluation of data from the first small break test and interpretation of results are continuing. Preliminary results from this test were reviewed at the PMG Meeting and are contained in the January Monthly Report.

Data from the large break reference test (6422 Run 3, average power ECC injection) have been evaluated and the test report is being drafted.

POOR ORIGINAL

G.W. Burnette

G.W. Burnette, Manager
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REFERENCES

- 1) Letter G.W. Burnette to W.D. Beckner and P. Kalra, 2/26/80.
- 2) L.S. Lee "BD/ECC Test Plan Addendum June 1979 attached to Monthly Program Report for June 1979.
- 3) Letter G.W. Burnette (GE) to W.D. Beckner (NRC) "Status of TLTA Small Break Scoping Test", August 14, 1979.

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