



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

December 28, 1992

Docket File

Docket No. 52-004

APPLICANT: GE Nuclear Energy (GE)
PROJECT: Simplified Boiling Water Reactor (SBWR)
SUBJECT: SUMMARY OF MEETING WITH GE ON ^{December} OCTOBER 17, 1992

A public meeting was held between Nuclear Regulatory Commission (NRC) and GE Nuclear Energy (GE) technical staff on December 17, 1992, in the NRC office in Rockville, Maryland. The purpose of the meeting was to discuss the status of the testing programs under development by GE to support the design of the SBWR. Enclosure 1 is a list of the staff and GE participants who attended this meeting.

Some of the major GE test programs currently in progress were summarized and discussed during this meeting. These test programs support the decay heat removal from containment and inventory control features of the SBWR. The programs discussed during the meeting included the PANTHERS test (a full-scale performance and mechanical test of the isolation condenser (IC) and passive containment cooling system (PCCS) heat exchanger component, the University test programs (MIT/Berkeley) related to condensation heat transfer experiments for the purpose of developing correlations for use in modeling the performance of the IC and PCCS, the PANDA test (a full-height 1/25 scale low-pressure integral system test of the passive safety systems), and the GIRAFFE tests (a scaled low-pressure test of a heat exchanger for both the IC and PCCS modes of containment heat removal). Other GE test programs mentioned during the meeting included the full-height, volume-scaled test of the gravity-driven cooling system at GE's GIST Facility.

The staff requested that GE formally address the status and future milestone schedules for the entire SBWR test program. Included in the request was the matrix testing and completion schedules on each of the test programs and how each of the specific test programs fit into the overall certification test program that support the design certification of the SBWR. GE agreed to provide this information to the staff by January 8, 1993.

NRC FILE CENTER COPY

9212300295 921228
PDR ADDCK 05200004
A PDR

DFB
11

December 28, 1992

In addition, a number of responses to the staff's requests for additional information (RAIs) were submitted to the staff during the meeting. A list of these RAI responses are provided in Enclosure 2. Copies of these responses are obtainable through the public document room.

Sincerely,

(Original signed by)

John Thompson, Project Manager
Standardization Project Directorate
Associate Directorate for Advanced Reactors
and License Renewal
Office of Nuclear Reactor Regulation

Enclosures:
As stated

cc w/enclosures:
See next page

DISTRIBUTION:

Docket File	PDCT R/F	TMurley/Filiraglia, 12G18	DCrutchfield
PDR	WRavers	RPierson	JNWilson
JThompson	CPoslusny	TBoyce	PShea
ACRS, (10)	JMoore, 15B18	EJordan, 3701	GGrant, EDO
JKudrick, 8D1	RPerch, 8H7	WBeckner, 10E4	WBurton, 8D1
JLyons, 8D1	RBarrett, 8D1	LShotkin, RES	Tlee, RES
RLobel, 17G21	JMonninger, 8D1	Alhadani, 8E2	MRunin, 8E23

OFC: LA:PDST:ADAR
NAME: PShea *PS*
DATE: 12/22/92

PM:PDST:ADAR
JThompson
12/24/92

mu
SC:PDAT:ADAR
JNWilson
12/28/92

OFFICIAL RECORD COPY:
DOCUMENT NAME: TESTING

General Electric Company

Docket No. 52-004

cc: Mr. Patrick W. Marriott, Manager
Licensing & Consulting Services
GE Nuclear Energy
175 Curtner Avenue
San Jose, California 95125

Mr. Robert Mitchell
General Electric Company
175 Curtner Avenue
San Jose, California 95114

Mr. L. Gifford, Program Manager
Regulatory Programs
GE Nuclear Energy
12300 Twinbrook Parkway
Suite 315
Rockville, Maryland 20852

Director, Criteria & Standards Division
Office of Radiation Programs
U. S. Environmental Protection Agency
401 M Street, S.W.
Washington, D.C. 20460

Mr. Daniel F. Giessing
U. S. Department of Energy
NE-42
Washington, D.C. 20585

MEETING ATTENDEES
SBWR CERTIFICATION TESTING MEETING
DECEMBER 17, 1992

<u>NAME</u>	<u>AFFILIATION</u>
John Thompson	NRR/ADAR/PDST
Jerry Wilson	NRR/ADAR/PDST
Richard Barrett	NRR/DSSA/SCSB
Louis Shotkin	RES/DSR/RPSB
Tim Lee	RES/DSR/RPSB
Richard Lobel	NRR/DSSA/SCSB
John Monninger	NRR/DSSA/SCSB
Jack Kudrick	NRR/DSSA/SCSB
Ashok Thadani	NRR/DST
Mark Rubin	NRR/SRXB
Jeffrey Baechler	GE
Paul Billig	GE
Atam Rao	GE
Douglas Gluhtz	GE

Enclosure 1

GE RESPONSES TO REQUESTS FOR ADDITIONAL INFORMATION (RAIs)

1. Document titled, "PCC test plan and procedures," SIET 00096 ED 91 Rev. A, S. Botti, F. Mazzacurati. 40 pages.
2. Document titled, "Isolation condenser and passive containment condenser test results," GE Document Number 23A6999, Rev. 1. 59 pages.
3. Document titled, "The 1st JSME/ASME Joint International Conference on Nuclear Engineering, Vol. 1, November 4-7, 1991. Pages 257-287.
4. GE slide relating to steam condensation measurements at MIT, by Michael J. Gray, November 12, 1992, 5 pages.
5. Proceedings of the International Conference on Multiphase Flows, '91-Tsukuba, September 24-27, 1991, Tsukuba, Japan. Pages 183-190.
6. Document titled, "Technical Specification for PCC Instruments Installation," S. Gandolfi et. al., 51 pages.

Enclosure 2