December 20, 2002

Mr. C. J. Deacon, Manager Advanced Reactor Programs General Electric Company 175 Curtner Avenue, M/C 365 San Jose, CA 95125-1014

SUBJECT: ACCEPTANCE OF NEDC-33079P, NEDC-32606P, NEDC-33081P, NEDC-32725P, NEDC-33080P AND NEDC-33083 FOR REVIEW (TAC NOS. MB6279, MB6280, MB6281, MB6282, MB6283 and MB6801)

Dear Mr. Deacon:

The NRC staff has performed an acceptance review of NEDC-33079P and Supplement 1, "ESBWR Test and Analysis Program Description;" NEDC-32606P, "SBWR Testing Summary Report;" NEDC-33081P, "ESBWR Test Report;" NEDC-32725P, Revision 1, "TRACG Qualification for SBWR Vol. 1 and 2;" NEDC-33080P, "TRACG Qualification for ESBWR;" and NEDC-33083P, "TRACG Application for ESBWR." We have found that the material presented in these topical reports is sufficient to begin our comprehensive review as part of the ESBWR pre-application review. The staff's schedule and cost estimate for the ESBWR pre-application review has been provided to Mr. Kelly Fletcher by letter dated December 19, 2002.

Section 170.21 of Title 10 of the *Code of Federal Regulations* (10 CFR) requires that topical reports are subject to fees based on the full cost of the review. You did not request a fee waiver, therefore staff hours will be billed accordingly. To enable us to complete this review on schedule, close and frequent communication between our technical staffs will be required.

Sincerely,

/RA/

Amy E. Cubbage, ESBWR Project Manager New Reactor Licensing Project Office Office of Nuclear Reactor Regulation

Project No. 717

cc: See next page

December 20, 2002

Mr. C. J. Deacon, Manager Advanced Reactor Programs General Electric Company 175 Curtner Avenue, M/C 365 San Jose, CA 95125-1014

# SUBJECT: ACCEPTANCE OF NEDC-33079P, NEDC-32606P, NEDC-33081P, NEDC-32725P, NEDC-33080P AND NEDC-33083 FOR REVIEW (TAC NOS. MB6279, MB6280, MB6281, MB6282, MB6283 and MB6801)

Dear Mr. Deacon:

The NRC staff has performed an acceptance review of NEDC-33079P and Supplement 1, "ESBWR Test and Analysis Program Description;" NEDC-32606P, "SBWR Testing Summary Report;" NEDC-33081P, "ESBWR Test Report;" NEDC-32725P, Revision 1, "TRACG Qualification for SBWR Vol. 1 and 2;" NEDC-33080P, "TRACG Qualification for ESBWR;" and NEDC-33083P, "TRACG Application for ESBWR." We have found that the material presented in these topical reports is sufficient to begin our comprehensive review as part of the ESBWR pre-application review. The staff's schedule and cost estimate for the ESBWR pre-application review has been provided to Mr. Kelly Fletcher by letter dated December 19, 2002.

Section 170.21 of Title 10 of the *Code of Federal Regulations* (10 CFR) requires that topical reports are subject to fees based on the full cost of the review. You did not request a fee waiver, therefore staff hours will be billed accordingly. To enable us to complete this review on schedule, close and frequent communication between our technical staffs will be required.

Sincerely,

# /**RA**/

Amy E. Cubbage, ESBWR Project Manager New Reactor Licensing Project Office Office of Nuclear Reactor Regulation

Project No. 717

Distribution

cc: See next page

Distribution				
HARD COPY	EMAIL			
NRLPO R/F	PUBLIC	G. Holahan	J. Hannon S. Lu	
A. Cubbage	S. Collins	S. Black	S. Weerkoddy	
J. Lyons	J. Johnson	R. Landry	A. Drozd	
M. Gamberoni	B. Sheron	J. Staudenmeier	G. Thomas	
J. Wermiel	R. Borchardt	E. Throm	M. Razzaque	

# ACCESSION NUMBER: ML023530288

OFFICE	NRLPO/PM	SRXB/BC	SPLB/BC	NRLPO/DD		
NAME	ACubbage	JWermiel	JHannon	MGamberoni		
DATE	12/19/02	12/19/02	12/20/02	12/20/02		

# **OFFICIAL RECORD COPY**

### ESBWR

#### cc:

C. J. Deacon Manager, Advanced Reactor Programs GE Nuclear Energy 175 Curtner Avenue, MC 365 San Jose, CA 95125 USA

J. Alan Beard GE Nuclear Energy 13113 Chestnut Oak Drive Darnestown, MD 20878-3554

Atambir Rao Project Manager, ESBWR GE Nuclear Energy 175 Curtner Avenue, MC 365 San Jose, CA 95125 USA

Mr. Kelly R. Fletcher, Manager Business Development and Advanced Technologies GE Nuclear Energy 175 Curtner Avenue, MC 784 San Jose, CA 95125

Mr. David Lochbaum, Nuclear Safety Engineer Union of Concerned Scientists 1707 H Street, NW., Suite 600 Washington, DC 20006-3919

Dr. Gail H. Marcus U.S. Department of Energy Office of Nuclear Energy, Science & Technology 1000 Independence Avenue, SW Washington, DC 20585

Mr. Paul Gunter Nuclear Information & Resource Service 1424 16th Street, NW, Suite 404 Washington, DC 20036

Mr. James Riccio Greenpeace 702 H Street, Suite 300 Washington, DC 20001

Mr. Ron Simard Nuclear Energy Institute Suite 400 1776 I Street, NW Washington, DC 20006-3708 Mr. Thomas P. Miller U.S. Dept. of Energy, NE-20, Rm. A286 Headquarters - Germantown 19901 Germantown Road Germantown, MD 20874-1290

Mr. Edwin Lyman Nuclear Control Institute 1000 Connecticut Avenue, NW Suite 410 Washington, DC 20036

Mr. Jack W. Roe SCIENTECH, INC. 910 Clopper Road Gaithersburg, MD 20878

Mr. David Ritter Research Associate on Nuclear Energy and Environmental Program 215 Pennsylvania Avenue, SE Washington, DC 20003

Mr. Tom Clements 6703 Gude Avenue Takoma Park, MD 20912

Patricia Campbell Winston & Strawn 1400 L Street, NW Washington, DC 20005

Mr. James F. Mallay, Director Regulatory Affairs FRAMATOME, ANP 3315 Old Forest Road Lynchburg, VA 24501

Mr. Vince Langman Licensing Manager Atomic Energy of Canada Limited 2251 Speakman Drive Mississauga, Ontario Canada L5K 1B2

Mr. Gary Wright, Manager Office of Nuclear Facility Safety Illinois Department of Nuclear Safety 1035 Outer Park Drive Springfield, IL 62704

Mr. Charles Brinkman Westinghouse Electric Co. Washington Operations 12300 Twinbrook Pkwy., Suite 330 Rockville, MD 20852 ESBWR (continued)

Mr. Michael M. Corletti Passive Plant Projects & Development AP600 & AP1000 Projects Westinghouse Electric Company Post Office Box 355 Pittsburgh, Pennsylvania 15230-0355