



General Electric Company  
120 Capital Avenue, San Jose, CA 95128

May 16, 1991

MFN No. 054-91  
Docket No. STN 50-605  
EEN-9140

Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Attention: Charles L. Miller, Director  
Standardization and Non-Power Reactor Project Directorate

Subject: Reactor Coolant Pressure Boundary Components Applicable  
Inservice Inspection Code Cases for GE ABWR

Enclosed are thirty-four (34) copies of a modification to the Table 5.2-1 of the ABWR SSAR, eliminating ASME Inservice Inspection Code Cases N-322 and N-390 which have not been incorporated into Regulatory Guide 1.147.

However, GE is requesting permission to use Code Case N-479 (the last Code Case of Table 5.2-1) for the ABWR Standard Plant, although this Code Case has not yet been incorporated into Regulatory Guide 1.147. Permission to use this Code Case is being sought under the provision of 10CFR50 Section 50.55a(a)(2)(ii), as provided for in 50.55a Footnote 6. Code Case N-479 allows non-isolatable Class 2 portions of the main steam system to be hydrostatically tested in conjunction with the Class 1 system. Using this procedure eliminates the need to block the containment isolation valve which is otherwise necessary to avoid pressure leakage into the Class 1 side of the system and possible damage to the valve. The hydrostatic test performed on the subject portion of the Class 2 main steam line would meet the requirements of IWA-5000 and IWB-5222 thereby assuring safe plant operation.

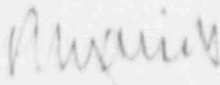
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Since GE is anticipating that the NRC will grant permission to use Code Case N-479 on the ABWR Standard Plant, the attached markup has retained Code Case N-479. GE intends to delete Code Cases N-322 and N-390 in a future amendment.

Sincerely,



P. W. Marriott, Manager  
Regulatory and Analysis Services  
M/C 382, (408) 925-6948

cc: F. A. Ross (DOE)  
D. C. Scaletti (NRC)  
D. R. Wilkins (GE)  
J. F. Quirk (GE)

Table 5.2-1

REACTOR COOLANT PRESSURE BOUNDARY COMPONENTS  
APPLICABLE CODE CASES

Number	Title	Applicable Equipment	Remarks
N-71-15	(1)	Component Support	Accepted per RG 1.85
N-122	(2)	Piping	Accepted per RG 1.84
N-247	(3)	Component Support	Accepted per RG 1.84
N-249-9	(4)	Component Support	Conditionally Accepted per RG 1.85
N-309-1	(5)	Component Support	Accepted per RG 1.84
N-313	(6)	Piping	Accepted per RG 1.84
N-316	(7)	Piping	Accepted per RG 1.84
N-318-3	(8)	Piping	Conditionally Accepted per RG 1.84
N-319	(9)	Piping	Accepted per RG 1.84
N-391	(10)	Piping	Accepted per RG 1.84
N-392	(11)	Piping	Accepted per RG 1.84
N-393	(12)	Piping	Accepted per RG 1.84
N-411-1	(13)	Piping	Conditionally Accepted per RG 1.84
N-430	(14)	Component Support	Accepted per RG 1.84 <del>Not listed prior to</del> <del>March 30, 1987</del>
N-430	(15)	Component Support	Accepted per RG 1.84 <del>Not listed prior to</del> <del>March 30, 1987</del>
N-236-1	(16)	Containment	Conditionally Accepted Per RG 1.147
N-307-1	(17)	RPV Studs	Accepted Per <del>Not Listed</del> <del>in RG 1.147</del>

Table 5.2-1

REACTOR COOLANT PRESSURE BOUNDARY COMPONENTS

APPLICABLE CODE CASES (Continued)

<u>Number</u>	<u>Title</u>	<u>Applicable Equipment</u>	<u>Remarks</u>
(Deleted) A <del>N-322</del>	(18)	<del>Piping at</del> <del>Containment</del> <del>Penetrations</del>	<del>Not Listed</del> <del>in RG 1.147</del>
(Deleted) A <del>N-390</del>	(19)	<del>Reactor Vessel</del>	<del>Not Listed</del> <del>in RG 1.147</del>
N-416	(20)	Piping	Accepted Per RG 1.147
N-432	(21)	Class 1 Components	Accepted Per RG 1.147
N-435-1	(22)	Class 2 Vessels	Accepted Per RG 1.147
N-457	(23)	Bolts and Studs	Accepted Per RG 1.147
N-463	(24)	Piping	Accepted Per <del>Not Listed</del> <del>in RG 1.147</del>
N-460	(25)	Class 1 & 2 Components and Piping	Accepted Per <del>Not Listed</del> <del>in RG 1.147</del>
N-472	(26)	Pumps	Accepted Per <del>Not Listed</del> <del>in RG 1.147</del>
N-479	(27)	Main Steam System	Not Listed in RG 1.147

Table 5.2-1

REACTOR COOLANT PRESSURE BOUNDARY COMPONENTS

APPLICABLE CODE CASES (Continued)

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| <p>(1) <i>Additional Materials for Subsection NF, Classes 1, 2, 3 and MC Component Supports Fabricated by Welding, Section III, Division 1.</i></p> <p>(2) <i>Stress Indices for Structure Attachments, Class 1, Section III, Division 1.</i></p> <p>(3) <i>Certified Design Report Summary for Component Standard Supports, Section III, Division 1, Class 1, 2, 3 and MC.</i></p> <p>(4) <i>Additional Material for Subsection NF, Classes 1, 2, 3 and MC Component Supports Fabricated Without Welding, Section III, Division 1.</i></p> <p>(5) <i>Identification of Materials for Component Supports, Section III, Division 1.</i></p> <p>(6) <i>Alternate Rules for Half-Coupling Branch Connections, Section III, Division 1.</i></p> <p>(7) <i>Alternate Rules for Fillet Weld Dimensions for Socket Welded Fittings, Section III, Division 1, Class 1, 2, 3.</i></p> <p>(8) <i>Procedure for Evaluation of the Design of Rectangular Cross Section Attachments on Class 2 or 3 Piping, Section III, Division 1.</i></p> <p>(9) <i>Alternate Procedure for Evaluation of Stress in Butt Weld Elbows in Class 1 Piping, Section III, Division 1.</i></p> <p>(10) <i>Procedure for Evaluation of the Design of Hollow Circular Cross Section Welded Attachments on Class 1 Piping, Section III, Division 1.</i></p> <p>(11) <i>Procedure for Evaluation of the Design of Hollow Circular Cross Section Welded Attachments on Classes 2 and 3 Piping, Section III, Division 1.</i></p> | <p>(12) <i>Repair Welding Structural Steel Rolled Shapes and Plates for Component Supports, Section III, Division 1.</i></p> <p>(13) <i>Alternative Damping Values for Seismic Analysis of Classes 1, 2, 3 Piping Sections, Section III, Division 1.</i></p> <p>(14) <i>Tack Welds for Class 1, 2, 3 and MC Components and Piping Supports.</i></p> <p>(15) <i>Requirements for Welding Workmanship and Visual Acceptance Criteria for Class 1, 2, 3 and MC Linear-Type and Standard Supports.</i></p> <p>(16) <i>Repair and Replacement of Class MC Vessels</i></p> <p>(17) <i>Revised Examination Volume for Class 1 Bolting, Table IWB-2500-1, Examination Category B-G-1, When the Examinations Are Conducted from the Drilled Hole</i><br/>(Deleted)</p> <p>(18) <del><i>Examination Requirements for Integrally Welded or Forged Attachments to Class 1 Piping at Containment Penetrations</i></del><br/>(Deleted)</p> <p>(19) <del><i>Evaluation Criteria for Flaws Located in a Flange or Shell Region Near a Structural Discontinuity</i></del></p> <p>(20) <i>Alternative Rules for Hydrostatic Testing of Repair or Replacement of Class 2 Piping</i></p> <p>(21) <i>Repair Welding Using Automatic Or Machine Gas Tungsten-Arc Welding (GTAW) Temperbead Technique</i></p> <p>(22) <i>Alternative Examination Requirements for Vessels With Wall Thicknesses 2 in. or Less</i></p> <p>(23) <i>Qualification Specimen Notch Location for Ultrasonic Examination of Bolts and Studs</i></p> <p>(24) <i>Evaluation Procedures and Acceptance Criteria for Flaws in Class 1 Ferritic Piping That Exceed the Acceptance Standards of IWB-3514-2</i></p> |
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