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ERRATA SHEET

Report Number: NUREG/CR-4731, Vol. I
EGG-2469

Report Title: Residual Life Assessment of Major Light Water Reactor
Components--Overview

Prepared by: EG&G Idaho, Inc.

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Distribution
Category: RM, R5

Instructions: Please make the following corrections to your copy.
Word corrections are underlined.

Title page

Add the name of C. E. Jaske to the list of authors.

Page x

Change the Contents page numbers for Sections 8-15 to the following:

<u>Section</u>	<u>Page</u>
8	96
9	101
10	108
11	114
12	123
13	130
14	144
15	168

Page 8, Table 2.1

Rank 7, under Reasons for Ranking, change the 3rd and 4th lines to read:

*accident, an anticipated
transient without scram.*

Page 23, right column, Section 3.4.2.2

Delete the 5th and 6th lines below Equation 3.5 (duplication).

ERRATA (continued)

Page 51, Table 4.2

Rank 3, under ISI Method, change to read:

"Leakage testing..."

Page 77, right column, last paragraph

Change lines 5 through 8 to read:

"...potentially most damaging mechanisms: IGSCC and IGA. Monitoring methods are needed to determine the status of corrosion within nuclear steam generator tubes. The significance of the changes made in the...."

Page 79, Section 7.1, left column, 2nd paragraph

Change line 18 to read:

"...great shifts in their NDTT. The skirt..."

Page 87, Table 7.5

Change all occurrences of RVC to RVO;
change all occurrences of DE to DF.

Page 89, right column, last paragraph

Replace lines 16 through 32 with the following:

"...previous sample where the final NDTT shift must be 43°F (24°C) because of the NDTT + 30°F (NDTT + 17°C), a new design basis can be used of NDTT + 15°F (NDTT + 9°C) (for one-quarter yield strength from the FAD) or the final NDTT shift is 50 - 15°F - (-23°F) = 58°F (32°C). Compared to the old value of 43°F (24°C), an additional 15°F (8°C) PLE margin is thereby realized. Again using the above example, with a 10¹⁸ fast neutron fluence at 40 years, this PLE margin of 15°F (8°C) can be translated from Regulatory Guide 1.99 as before into an extended lifetime. The 15°F (8°C) is only worth 10°F (5.6°C) [recall the 50% penalty for <450°F (232°C) irradiation]; therefore, a 25°F (14°C) NDTT shift [38°F (20°C) for T < 450°F (232°C)] corresponding to a starting fluence of 10¹⁸ would result in a final NDTT shift of 35°F (19°C). This corresponds to fast fluence from..."

Page 99, Table 8.1

Rank 8, under Reasons for Ranking, change the last line to read:

"...scramming the reactor..."

ERRATA (continued)

Page 104, right column, 3rd paragraph.

In line 8, change "grove" to "groove."

Page 111

Change Section 10.5 title to read:

"Potential Failure Modes"

Page 111, Section 10.6

Change first line to read:

"...in-service inspections (ISIs)..."

Page 112, Table 10.2

Rank 1, under Degradation Site, change to read:

"Weld heat-affected zones, furnace sensitized safe ends..."

Rank 1, under Stressors, change last line to read:

"...heat-affected zones"

Page 145, Table 14.1

Under Principles, change 5th line to read:

"Penetrant is washed off and quickly drying..."

Page 162, Table 14.2

Under Applications, change 3rd and 4th lines to read:

"...computer resources and has not been fully..."

Page 163, Table 14.2

Under Characteristics, change 8th and 9th lines to read:

"...as tensile strength, fracture toughness, and impact..."

Page 170, Table 15.1

Rank 10, under Reasons for Ranking, change to read:

"Failure may lead to dispersment of fuel..."

ERRATA (continued)

Page 170, Table 15.1

Rank 10, under Degradation Sites, change 6th line to read:

"...sheaths and support pins..."

Page 171, Table 15.2

Rank 8, under Reasons for Ranking, change last line to read:

"...scramming the reactor"

Page 176, Table 15.7

Rank 3, under Stressors, change "System operating transients" to Temperature.

Rank 3, under Degradation Mechanisms, delete the word leakage.

Page 179, Table 15.9

Rank 4, under Potential Failure Modes, change the 3rd and 4th lines to read:

"...stresses in the primary coolant system during heatup..."

Rank 5, under Potential Failure Modes, change the 3rd and 4th lines to read:

"...stresses in the primary coolant system during heatup..."

Page 180, Table 15.11

Rank 1, under Degradation Site, change to read:

"Weld heat-affected zones, furnace sensitized safe ends"

Page 181, left column, item 2

Change 7th line to read:

"...because of an erosion-corrosion mechanism..."

Page 183, Table 15.12

Under Applications, change 3rd and 4th lines to read:

"...computer resources and has not been fully..."

ERRATA (continued)

Page 184, Table 15.12

Under Characteristics, change 8th and 9th lines to read:

as tensile strength, fracture toughness, and impact...

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US NRC-OARM-ADM
DIV OF PUB SVCS
POLICY & PUB MGT BR-PDR NUREG
W-537
WASHINGTON DC 20555