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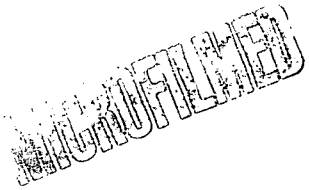

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H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
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COMMENTS ON REACTOR VESSEL INTEGRITY DATABASE DATA

Sir or Madam:

By letter dated July 7, 1999, the NRC provided notice to Carolina Power & Light (CP&L) Company of the closure of TAC No. MA0566 regarding response to the requests for additional information to Generic Letter 92-01, Revision 1, Supplement 1, "Reactor Vessel Structural Integrity." The letter also recommended that CP&L review the revised information contained in the Reactor Vessel Integrity Database (RVID), Version 2, and provide comments by September 1, 1999.

CP&L has completed the review of the RVID, Version 2 information for the H. B. Robinson Steam Electric Plant (HBRSEP), Unit No. 2. Comments are contained in the attachment to this letter.

If you have any questions concerning this matter, please contact Mr. H. K. Chernoff.

Sincerely,

R. L. Warden
Manager - Regulatory Affairs

JSK/jsk
Attachment

c: L. A. Reyes, NRC, Region II
R. Subbaratnam, NRC, NRR
NRC Resident Inspector, HBRSEP

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H. B. Robinson Steam Electric Plant, Unit No. 2
Review Reactor Vessel Integrity Database, Version 2

The review consisted of comparing values in the Reactor Vessel Integrity Database (RVID) Pressurized Thermal Shock (PTS) Summary Report, Upper Shelf Energy (USE) Summary Report, and Surveillance Data Summary for the H. B. Robinson Steam Electric Plant, Unit No. 2 to the values contained in the submittals to the NRC.

PTS Summary Report

The values in this section of the database agree with the values submitted through and including the "Response to Request for Additional Information Regarding Reactor Pressure Vessel Integrity" dated July 23, 1998.

Upper Shelf Energy Summary Report

The following values appear in the database.

Beltline Ident.	USE @ EOL @ ¼ T	¼ T fluence @ EOL	Unirradiated USE	Unirradiated USE Method	% Drop USE @ EOL @ ¼ T	% Drop USE Method
W10201-1	EMA	1.030	EMA	EMA	EMA	EMA

The values, documented in WCAP 13892, "New Measurements of the USE of Archival and Surveillance Plate Material Representative on the H. B. Robinson Unit No. 2 Reactor Vessel Beltline Plates," and submitted to the NRC in Reference 1, should read as follows:

Beltline Ident.	USE @ EOL @ ¼ T	¼ T fluence @ EOL	Unirradiated USE	Unirradiated USE Method	% Drop USE @ EOL @ ¼ T	% Drop USE Method
W10201-1	***> 62***	1.030	***>62***	***Surveillance Data***	***Surveillance Data***	***Surveillance Data***

Note: Bolded type indicate database values different than submitted values.

Surveillance Data Summary

The following values appear in the database:

Heat ID / Plate	Lead Factor	Capsule	Used in CF Calcs.	Measured Δ RTndt	Unir. USE	Meas. USE	Ni %	S %
A6604-1 / W10201-4	2.1	S	Yes	30.0	91	85	0.120	0.009
B1250-1 / W10201-6	2.1	S	Yes	16	113	109	0.200	0.015
B1250-1 / W10201-6	2.63	T	Yes	75	114	105	0.020	0.015
B1256-1 / W10201-5	2.1	S	Yes	16	90	88	0.200	0.021
B1256-1 / W10201-5	0.79	V	Yes	47	101	100	0.200	0.021
CM	2.1	S	No	77	39	50	0.180	0.023
W5214 weld	2.63	T	Yes	288	117.6	57	0.660	0.014

The values submitted to the NRC should read as follows:

Heat ID / Plate	Lead Factor	Capsule	Used in CF Calcs.	Measured Δ RTndt	Unir. USE	Meas. USE	Ni %	S %
A6604-1 / W10201-4	***1.88***	S	***No***	30.0	91	85	***0.090***	***0.019***
B1250-1 / W10201-6	***1.88***	S	***No***	***15***	113	109	***0.090***	0.015
B1250-1 / W10201-6	2.63	T	***No***	75	114	105	***0.090***	0.015
B1256-1 / W10201-5	***1.88***	S	Yes	***20***	90	88	***0.120***	0.021
B1256-1 / W10201-5	***0.76***	V	Yes	***45***	101	100	***0.120***	0.021
CM	***1.88***	S	No	***90***	39	***36***	0.180	0.023
W5214 weld	2.63	T	Yes	288	***112***	***54***	0.660	0.014

Note: Bolded type indicate database values different than submitted values.

References:

1. "Response to NRC Generic Letter 92-01, Revision 1, Supplement 1, Reactor Vessel Structural Integrity", R. M. Krich to NRC, dated November 20, 1995.

2. WCAP 13892, "New Measurements of the USE of Archival and Surveillance Plate Material Representative on the H. B. Robinson Unit No. 2 Reactor Vessel Beltline Plates."

3. "Response to Request for Additional Information Regarding Reactor Pressure Vessel Integrity," T. M. Wilkerson to NRC, dated July 23, 1998.

4. WCAP - 10304, "Analysis of Capsule T from the H. B. Robinson Unit 2 Reactor Vessel Radiation Surveillance Program," Westinghouse Electric Corporation, March, 1983.

5. WCAP - 8249, "Analysis of Capsule S from Carolina Power and Light Co.," December 18, 1973.