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May 31, 1979

RECEIVED
ADVISORY COMMITTEE ON
REACTOR SAFEGUARDS U.S. N.R.C

Mr. Sam Duraiswamy
Advisory Committee on Reactor
Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555

JUN 7 1979
AM / C. J. D. / FR
19/11/11/12/12/13/15/15

Dear Sam,

Subject: Review of Appendices G and H TO CFR 50

Generally the changes are quite acceptable. They let the codes (ASME III or XI) or standards pick up much of the work and they handle by reference.

With regard to specifics:

I A for steels > 50 ksi cites ASME III G-2110. This is okay; however, I do not foresee the use of higher strength alloys soon so it is academic.

I F Picked up by ASME III - OK. F a good change. Historically, 30 ft-lb has been used to benchmark Charpy tests more than 50 ft-lb.

II G - A better definition.
Deletions OK. Picked up in codes.

III A - Language is clearer. Nothing is lost.

III B 1, 2, 3, 4, 5 - All in ASME III

III C - Now in Appendix H.

IV A (old IV B) - Adds end-of-life 50 ft-lb. A good change. It removes the unresolved issue of failure from ductile shear from consideration.

IV A-2 - Picks up old A 2b and some of A 2d - OK.

IV A-3 - A major change. You may wish to ask the technical bases for ΔT values of 40°F and 60°F.

757 027

Sam Duraiswamy
May 31, 1978
Page Two

IV A4 - Essentially the old IV A 2d - OK.

IV A5 - OK.

IV B - Essentially same as old IV C. Added upper shelf value.

V - Ties more closely to Appendix H.

V B - Much more specific than previous edition. No problems.

V C - Like old C - no significant change.

V D - Same.

V E - Same.

Appendix H

I - Changes trivial - ties more closely to Appendix G.

II - A - Same

B - Basically the same. Specific language relaxed by tying to E-185.

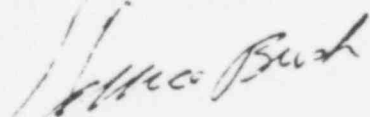
1. New - Permits greater flexibility.
2. Permits attachment to wall if meets ASTM and ASME - Relaxes withdrawal schedules.

C - Integrated program for duplicate plants.

III - Ties closely to E-185.

Basically nothing has been lost.

Very truly yours,



Spencer H. Bush
Senior Staff Consultant

SHB:kd

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