September 8, 2000

MEMORANDUM FOR: Keith Wichman, Chief
Component Integrity Section
Materials and Chemical Engineering Branch
Division of Engineering

FROM: George B. Georgiev, Senior Engineer ***/ra/***
Component Integrity Section
Materials and Chemical Engineering Branch
Division of Engineering

SUBJECT: SUMMARY OF ASME (SECTION III), SUBGROUP ON MATERIALS, FABRICATION AND EXAMINATION MEETING, MARCH 1, 2000

I attended the subject meeting. Listed below are the agenda items of interest to the NRC.

MFE 97-03 NRC Staff Request to Revise Code Case N-595 on Spent Fuel Canisters N99-214

The subgroup discussed Code Case N-595 on Spent Fuel Canisters in order to incorporate some NRC raised issues. I pointed out that the Case as written will not be included in the forthcoming revision of Regulatory Guide 1.85 because the Case does not address the staff concerns related to the design of the bottom joint of the cask and does not substantiate the joint efficiencies that it uses for partial welds. No vote was taken on this item during this meeting.

Interest: G. Millman, F. Cherny, K. Wichman, H. Lee

MFE 98-31 Code Case-N71-18 Additional Materials for Subsection NF, Class 1, 2, 3, and MC Component Supports Fabricated by Welding

The subgroup approved a revision to Code Case N71-18. The revision included new ASTM materials A446 and A653 and deleted ASTM materials A441, A412 and A457 because those materials are discontinued. I abstained because the revision did not include the conditions that the NRC has included in its Regulatory Guide 1.85

Interest: G. Millman, K. Wichman, F. Cherny

MFE 97-6 Post Bake Requirements for SMAW Electrodes

The subgroup discussed a proposed revision to paragraph NB-4622.9(c) which involved the deletion of the requirement to bake the electrodes prior to performing a temper bead weld repairs.

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415-2719

The revision will require the user to purchase the electrodes in hermetically sealed containers and to discard or bake the electrodes after 8 hours maximum exposure to atmospheric conditions. No vote was taken on this item during this meeting.

Interest: G. Millman, K. Wichman, F. Cherny

MFE 99-9 Fatigue Analysis for Precipitation Hardening Nickel Alloy Bolting Material SB-637

The subgroup discussed the incorporation of Case N-208 into the ASME Code. This action would include material SB- 637 NO 7718 in the stress tables of the Code. However, no fatigue curves were provided at the meeting and the subgroup requested that fatigue curves be provided at the next meeting. No vote was taken on this item during this meeting.

Interest: G. Millman, K. Wichman, F. Cherny

N99-244 Code Case to Permit Progressive Liquid Penetrant Examination of Grove Welds in P-8 Materials 3/16-inches and Less

The subgroup approved a Case which will permit the use of progressive liquid penetrant examination of grove welds in P-8 materials 3/16 inches and less. The welds are to be made from two sides and welded by machine or automatic welding. It was pointed out that this Case is needed for the spent fuel cask. I voted affirmative.

Interest: H.Lee, K. Wichman, F. Cherny, G. Millman

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