UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION RELATED TO REQUESTS FOR RELIEF FROM INSERVICE EXAMINATION REQUIREMENTS DAIRYLAND POWER COOPERATIVE LA CROSSE BOILING WATER REACTOR DOCKET NO. 50-409

INTRODUCTION

Technical Specification 5.3 for the La Crosse Boiling Water Reactor (LACBWR) states that inservice examination of ASME Code Class 1, 2 and 3 components shall be performed in accordance with Section XI of the ASME Boiler and Pressure Vessel Code and applicable Addenda as required by 10 CFR 50.55a(g) except where specific written relief has been granted bythe Commission. Certain requirements of later editions and addenda of Section XI are impractical to perform on older plants because of the plants' design, component geometry, and materials of construction. Thus, 10 CFR 50.55a(g)(6)(i) authorizes the Commission to grant relief from those requirements upon making the necessary findings.

By letters dated October 13, 1976, May 11, 1979, July 27, 1979, July 14, 1980, and March 24, 1982, Dairyland Power Cooperative submitted its inservice inspection program, revisions, or additional information related to requests for relief from certain Code requirements determined to be impractical to perform on the LaCrosse facility during the inspection interval. The program is based on the requirements of the 1974 Edition through Summer 1975 Addenda of Section XI.

EVALUATION

Requests for relief from the requirements of Section XI which have been determined to be impractical to perform have been reviewed by NRC staff's contractor, Science Applications, Inc. The contractor's evaluations of the licensee's requests for relief and his recommendations are presented in the Technical Evaluation Report (TER) attached (Attachment 1). The staff has reviewed the TER and agrees with the evaluations and recommendations. A summary of the determinations made by the staff is presented in the following tables:

Table 1 Class 1 Components

IWB-2600 item no.	IWB-2500 exam. cat.	System or component	Area to be examined	Required method	Licensee proposed alternative exam.	Relief request status
B1.1	B-A	Reactor vessel	Beltline welds, 13, 15, 17, 12, 14, 16, and 18	Volumetric	None	Granted provided examination volume of accessible welds be increased to equal that required for welds for which relief is requested or 100% of each accessible weld, whichever is less.
B.1.2	B-B	Reactor vessel	Shell welds 7, 9, 11, 19, 21, 6, 8, 10 and 20	Volumetric	None	
B1.4	B-D	Reactor vessel recirculation nozzles and blowdown nozzle	Nozzle-to-vessel weld and nozzle inside radiused section	Volumetric	General visual per category B-P	Granted
B1.5	B-E	CRD, liquid level, purification partial penetration weld in reactor vessel	Partial penetration welds	Visual	General visual in area	Granted
B1.12	B-H	Reactor vessel support	Integrally welded reactor vessel supports	Volumetric	Surface	Granted
B1.13	B-I-1	Reactor vessel closure head	Cladding	Visual and surface or volumetric	None	Granted

Table 1 (continued)

IWB-2600 item no.	IWB-2500 exam. cat.	System or component	Area to be examined	Required method	Licensee proposed alternative exam.	Relief request status
B.1.14	B-I-1	Reactor vessel interior	Cladding	Visual	General visual per category B-N	Granted
B4.1	B-F	Piping, forced circulation system	Dissimilar metal socket welds	Volumetric and surface	Surface only	Granted
B4.5	B-J	Piping, intermediate and lower liquid level penetration-to-pipe, primary purification lower head-to-extension pipe	Welds	Volumetric	General visual in area	Granted
B4.5	B-J	Main steam	Welds #19, 20, 21, and 22	Volumetric	None	Granted
B4.9	B-K-1	Main steam	Integrally-welded attachment MS-102	Volumetric	None	Granted
B4.9	B-K-1	Main steam feedwater and condensate, alternate core spray, decay heat, forced circulation	Attachment welds, pipe-to-pipe hangers	Volumetric	Surface	Granted

Table 2 Pressure tests

System or component	IWD-5000 test pressure requirement	Licensee proposed alternate test pressure	Relief request status
Sodium pentaborate tank 60-19-001	Nominal hydrostatic pressure developed with tank filled to design capacity	Hydrostatic pressure with tank at normal operating level	Granted

SUMMARY

Based on the review summarized above, the staff concludes that relief granted from the examination requirements and alternate methods imposed through this document give reasonable assurance of the piping, component pressure boundary, and support structural integrity; that granting relief where the code requirements are impractical is authorized by law and will not endanger life or property, or the common defense and security, and is otherwise in the public interest considering the burden that could result upon the licensee if they were imposed on the facility.

Environmental Consideration

We have determined that granting relief from specific ASME Section IX Code requirements does not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that this is an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR §51.5(d)(4), that an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the granting of this relief.

Conclusion

We have concluded, based on the considerations discussed above, that: (1) because this action does not involve a significant increase in the probability or consequences of accidents previously considered and does not involve a significant decrease in a safety margin, the action does not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Attached:
SAI Report dated
June 10, 1982