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June 13, 1980

In reply, please refer to LAC-6984

DOCKET NO. 50-409

Mr. James G. Keppler
Regional Director
U. S. Nuclear Regulatory Commission
Directorate of Regulatory Operations
Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137

SUBJECT: DAIRYLAND POWER COOPERATIVE
LA CROSSE BOILING WATER REACTOR (LACBWR)
PROVISIONAL OPERATING LICENSE NO. DRR-45
IE BULLETIN NO. 80-08 - EXAMINATION OF
CONTAINMENT LINER PENETRATION WELDS

Reference: (1) NRC Letter, Keppler to Linder, dated April 9, 1980 - Enclosing IE Bulletin No. 80-08.

Dear Mr. Keppler:

In response to your letter (Reference 1) which contained the subject bulletin and required a written response, we are submitting the following comments.

Item 1. Determine if your facility contains the flued head design for penetration connections, or other designs with containment boundary butt weld(s) between the penetration sleeve and process piping as illustrated in Figure NE 1120-1, Winter 1975 Addenda to the 1974 and later editions of the ASME B&PV Code.

DPC RESPONSE:

LACBWR does not have any containment penetrations that utilize the flued head design.

LACBWR does have three penetration connections with containment boundary butt welds. They are similar to illustration (e) on Figure NE1120-1, 1977 Edition of the ASME B&PV Code. The penetrations are used for passage of the reactor plant main steam piping, feedwater piping, and one penetration used for passage of heating steam into the Containment Building and heating steam condensate out of the Containment Building.

Item 2. If an affirmative answer is reached for Item 1, determine the following:

a. Applicability of the ASME Code including year and addenda and/or Regulatory Guide 1.19.

DPC RESPONSE:

The Containment Building and the penetrations were constructed to the 1962 Edition of Section VIII of the ASME B&PV Code.

b. Type of nondestructive examinations performed during construction.

DPC RESPONSE:

On the butt welds specifically addressed in Reference (1), there was a leak test. The sleeve (penetration connection) butt welds of the LACBWR vessel were excluded from radiography by Paragraph UW-11(a)(5) of Code Edition in 2.1. above.

c. Type of weld joint (including pipe material and size) and whether or not backing bars were used.

DPC RESPONSE:

Open "V" single welded butt without backing bar. Main steam penetration is plate, 61-5/16" x 1/2" rolled, seam welded. Feedwater penetration is plate 41-15/32" x 1/2" rolled, seam welded. Both plates are carbon steel per ASTM A201B and test requirements of A300. The heating steam and condensate penetration is 12", Schedule 40 pipe to ASTM A333, Grade C.

d. Results of construction nondestructive examinations, i.e., if repairs were required, this should be identified including extent of repairs and description of defects encountered during repair, if known.

DPC RESPONSE:

After completion of the vessel penetrations, a pneumatic leak-rate test was performed at 5 psig internal pressure and penetration welds checked for leaks by the soap-suds method. The internal pressure was subsequently increased to 52 psig and held for 2 days with no evidence of leakage by the soap-suds method, from the penetration butt welds.

No repairs were performed on any of the three penetrations.

Item 3. For those facilities committed during construction to perform volumetric examination of such penetrations through SAR commitments which have not performed radiography, justify not performing radiography or submit plans and schedules for performing radiographic examinations.

DPC RESPONSE:

No volumetric examination of the above penetrations was committed to in the SAR (Final Safeguards Report ACNP-65544, dated August 1967) and subsequent answers to questions of DRL.

If you have any questions concerning this submittal, please contact us.

Very truly yours,

DAIRYLAND POWER COOPERATIVE

Frank Linder

Frank Linder, General Manager

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cc: Director
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