

Docket No. 50-461

AUG 28 1985

Mr. Frank A. Spangenberg  
Director of Nuclear Licensing &  
Configuration Management  
Clinton Power Station  
P.O. Box 306  
Mail Code V920  
Clinton, Illinois 61727

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Dear Mr. Spangenberg:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION ON THE EXAMINATION OF CORROSION  
RESISTANT CLADDING RELATED TO THE PRESERVICE INSPECTION PROGRAM FOR  
CLINTON POWER STATION

Region III Inspection Report No. 50-461/85025 (DRS) dated May 8, 1985 discusses a demonstration of a special nondestructive examination procedure for the ultrasonic examination of recirculation piping with corrosion resistant cladding (CRC) that was performed by the BWR Owner's Group and witnessed by the NRC staff.

Although utilities with CRC piping welds in their plants have developed special instrumentation to address the technical problems associated with the ultrasonic examination of this configuration, the staff has not yet established criteria for the qualification of procedures and personnel to examine CRC welds in BWR recirculation system piping. Therefore, we have requested utilities with this configuration to document their plant specific methodology. The enclosed request for additional information is similar to requests for Perry and Hope Creek and has been discussed with your licensing staff.

It is requested that you provide a response within 30 days of receipt of this letter. If you have any questions regarding this request or cannot provide a response within the time specified please contact the licensing project manager for your application.

Sincerely,

Original signed by:

Walter R. Butler, Chief  
Licensing Branch No. 2  
Division of Licensing

Enclosure: As stated

cc: See next page

LB#2/DL/PM  
BSiegel:lb  
08/27/85

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WButler  
08/27/85

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

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Sincerely,

*Walter R. Butler*

Walter R. Butler, Chief  
Licensing Branch No. 2  
Division of Licensing

Enclosure: As stated

cc: See next page

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Request for Additional Information Related to the Examination of  
Corrosion Resistant Cladding

Region III Inspection Report Number 50-461/85025 (DRS) discusses a demonstration of a special nondestructive examination procedure for the ultrasonic examination of piping in the reactor recirculation system with corrosion resistant cladding (CRC) applied to mitigate intergranular stress corrosion cracking (IGSCC). Since the welds with CRC have not been identified, as such, in the Clinton Preservice Inspection Program it is requested that the following information be provided.

1. Identify the specific welds with CRC, the diameter of the pipe, and typical dimensions of the cladding. Include weld numbers, whether the cladding is applied to the inside diameter (I.D.) and/or outside diameter (O.D.) of the pipe, and the configuration of the weld (i.e., pipe-to-tee, pipe-to-elbow, pipe-to-pipe).
2. The use of cladding, in particular O.D. cladding, can interfere with effective ultrasonic examinations. Describe the type of transducers used for these examinations and address the measures that were taken to assure that the instrumentation and examination procedures used on the clad welds are capable of detecting a significant flaw, if present. Provide sketches or drawings for clad calibration standards and confirm that the cladding in the standards is representative of the dimensions of the cladding applied to the recirculation piping.
3. Describe the recording and reporting criteria for flaw indications used during the ultrasonic testing. Discuss the method used to distinguish inherent geometric or metallurgical reflectors from flaw indications.