

ILLINOIS POWER COMPANY



U-0082
B40-78(12-19)-0

500 SOUTH 27TH STREET, DECATUR, ILLINOIS 62525

December 19, 1978

Mr. John F. Stolz, Chief
Light Water Reactors Branch No. 1
Division of Project Management
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Stolz:

- Reference: (a) Letter, J. F. Stolz (NRC) to L. J. Koch (IP),
"NRC Staff Position on the Use of Austenitic
Stainless Steel in Boiling Water Reactor
Facilities -- (Clinton Power Station,
Units 1 and 2)," dated February 28, 1978
- (b) Letter, G. E. Wuller (IP) to J. F. Stolz (NRC),
"Clinton Power Station Units 1 and 2, Docket
Nos. 50-461 and 50-462," dated March 20, 1978

Clinton Power Station Docket Nos. 50-461 and 50-462
Mitigation of Intergranular Stress Corrosion Cracking
in Austenitic Stainless Steel

Reference (a) forwarded NUREG-0313, "Technical Report on
Material Selection and Processing Guidelines for BWR Coolant Pressure
Boundary Piping," and requested our response. Reference (b) indi-
cated that we anticipated submitting the requested information by
December 30, 1978. This letter provides the requested response.

The current intent of Illinois Power Company is that Clinton
Power Station will be constructed so that all austenitic stainless
steel pressure boundary piping in contact with BWR water will have
less than 0.035 percent carbon or will be in the solution annealed
condition.

IP plans to meet the requirements of each of the subsections of
Sections II and III of NUREG-0313, as follows:

- a. Section II - Reactor pressure boundary piping will meet
the requirements of this section by a combination of
Subsections 1 and 2.

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John F. Stolz

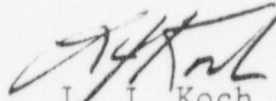
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- b. Section III, Subsection 1 - Since we intend to meet all requirements of Section II, no augmented inservice inspection or leak detection will be necessary and Subsection 2 is not applicable.

Complete details have yet to be developed for some of the recirculating water pipe, especially some of the field welds. We will inform you of any cases for which we do not comply with Subsections 1 or 2 if they should arise.

Per your request, forty (40) copies of this letter are provided.

Sincerely,



L. J. Koch
Vice President

PEW:dl

cc: I. A. Peltier, NRC Clinton Project Manager