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JGC-494-95  
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Docket No. 50-461

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Nuclear Regulatory Commission  
Washington, D.C. 20555

Subject: Illinois Power's (IP's), Clinton Power Station's (CPS's) Revised  
Response to Generic Letter (GL) 94-03, "Intergranular Stress  
Corrosion Cracking of Core Shrouds in Boiling Water Reactors"

Dear Sir:

IP provided its GL 94-03 response to the NRC in letters U-602364, dated September 24, 1994 and U-602369 dated December 14, 1994. The purpose of this letter is to revise IP's response to the NRC regarding when the CPS core shroud will be inspected. IP committed, in letter U-602369 to inspect the core shroud during the sixth refueling outage (RF-6) scheduled for October 1996.

On September 2, 1994, the BWR Vessels & Internals Project (BWRVIP) initiated GENE-523-113-0894, "BWR Core Shroud Inspection and Flaw Evaluation Guidelines." This document listed CPS as a Category "A" plant. The plant characteristics for this category are 304L plants (plants with 304L stainless steel, carbon content 0.04 wt.% or less, as the shroud base material) with less than 8 hot operating years and an average conductivity at or below 0.30  $\mu\text{S}/\text{cm}$  during the first 5 cycles of operation. Presently, the calculated hot operation years at CPS at the start of RF-6 will be 7.63 years (revised from the 7.96 years in U-602369), and the average conductivity during the first five operating cycles is 0.186  $\mu\text{S}/\text{cm}$ , thus categorizing CPS as a Category "A" plant. GENE-523-113-0894 states that such plants have shown very low likelihood of cracking, demonstrated by field experience with the shroud and other components; therefore, an inspection is not necessary.

The NRC letter, "Evaluation of 'BWR Shroud Cracking Generic Safety Assessment, Revision 1,' GENE-523-A107P-0794, August 5, 1994 and 'BWR Core Shroud Inspection and Evaluation Guidelines,' GENE-523-113-0894, September 2, 1994," to Mr. J. T. Beckman, Chairman BWR/VIP, acknowledged agreement with the categorization of BWR plants into three groups (Category A, B, or C) and with the proposed guidance for establishing schedules for the inspection of Category A and B plants.


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Based on the information contained herein, CPS will not conduct an inspection during RF-6. The core shroud inspections documented in our response to GL 94-03 will instead be performed during RF-7 scheduled for March 1998.

Attachment 1 provides an affidavit supporting the facts set forth in this letter.

Sincerely yours,



J. G. Cook  
Vice President

JSP/csm

Attachment

cc: NRC Clinton Licensing Project Manager  
NRC Resident Office, V-690  
Regional Administrator, Region III, USNRC  
Illinois Department of Nuclear Safety

