



Illinois Power Company  
Clinton Power Station  
P.O. Box 678  
Clinton, IL 61727  
Tel 217 935-8881

U-602533  
I 30-95(L 2 -21 )LP  
8G.120  
December 21, 1995  
JGC-537-95

Docket No. 50-461

Document Control Desk  
Nuclear Regulatory Commission  
Washington, D.C. 20555

Subject: Completion of Confirmatory Tests for NRC  
Bulletin 95-02, "Unexpected Clogging of a  
Residual Heat Removal (RHR) Pump Strainer  
While Operating in Suppression Pool Cooling Mode"

Dear Sir:

Bulletin 95-02 required the licensees verify the operability of all pumps which draw suction from the suppression pool when performing their safety function within 120 days of the date of this bulletin. This bulletin requested that licensees, within 10 days of the completion of confirmatory tests, submit a second report confirming the completion of pump operability inspections and a description of the results. In Illinois Power's (IP's) letter U-602515, dated November 15, 1995, IP responded to the issues requested in the bulletin and stated that an emergency core cooling system (ECCS) and reactor core isolation cooling (RCIC) system suction strainers visual examination would take place within 120 days of the date of this bulletin. This examination was to confirm that Clinton Power Station (CPS) is not affected by unacceptable buildup of debris that could clog pump strainers of the RCIC and ECCS systems. The examination has been performed and the results are discussed below.

ECCS and RCIC suction strainer cleaning was conducted by divers who video taped the as-found condition, cleaned the strainers using a vacuum/pump and a nylon brush and video taped the as-left condition. The conditions found were as IP had expected. Each strainer had a uniform covering of reddish brown dust, verified by CPS Chemistry to be mainly iron oxide. Iron oxide tends to precipitate from an aqueous medium as a light fluffy residue rather than as a granular precipitate. The dust was not tightly adhered and was easily removed by divers sweeping a hand over the surface. After this slight agitation, the suction strainer surface had a shiny stainless steel appearance. None of the strainers had any appreciable blockage of the slots over the baskets. Initial

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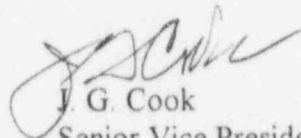
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strainer cleanliness was good. The internal bar structure of the baskets could be seen through the strainer slots prior to cleaning. The as-found condition would not have required cleaning as there was insufficient debris over the strainers to negatively impact ECCS or RCIC operability. However, the cleaning was done so a baseline of the strainers could be established for future examinations.

The cleaning operation was completed on December 12, 1995. The as-found condition confirmed the full functionality of the strainers and the absence of the fibrous material or matted conditions which were present at other BWRs that had experienced plugged strainers. Prior to the next refueling outage (RF-6), a suppression pool inspection will be conducted to determine if a suppression pool cleaning is warranted during RF-6. A report of these results will be forwarded to the NRC shortly after the inspection is conducted and documented.

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

Sincerely yours,

  
J. G. Cook  
Senior Vice President

JSP/csm

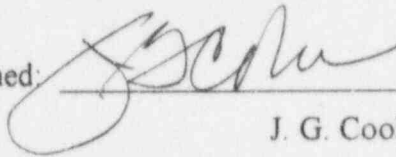
Attachment

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

J. G. Cook, being first duly sworn, deposes and says: That he is Senior Vice President of the Nuclear Program at Illinois Power; that this letter supplying the response to Bulletin 95-02, has been prepared under his supervision and direction; that he knows the contents thereof, and that to the best of his knowledge and belief said letter and the facts contained therein are true and correct.

Date: This 21 day of December 1995.

Signed: \_\_\_\_\_



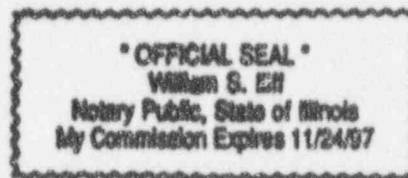
J. G. Cook

STATE OF ILLINOIS

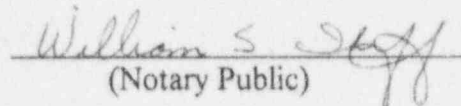
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Dewitt COUNTY

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Subscribed and sworn to before me this 21 day of December 1995

  
(Notary Public)