



Nebraska Public Power District

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NLS950238
December 8, 1995

U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Subject: Results of Core Shroud Inspection
Cooper Nuclear Station
NRC Docket No. 50-298, DPR-46

- References:
- 1) NRC Generic Letter 94-03 dated July 25, 1994, "Intergranular Stress Corrosion Cracking of Core Shrouds In Boiling Water Reactors"
 - 2) Letter from G. R. Horn (NPPD) to NRC dated August 26, 1994, "Response to Generic Letter 94-03 - Core Shroud Cracking"
 - 3) GENE-523-113-0894 dated March 1995, "BWR Core Shroud Inspection and Flaw Evaluation Guidelines"
 - 4) Letter from G. R. Horn (NPPD) to NRC dated July 14, 1995, "Core Shroud Inspection Plan"

Gentlemen:

As requested by NRC Generic Letter 94-03 (Reference 1), the Nebraska Public Power District (District) has completed inspection and evaluation of the Cooper Nuclear Station (CNS) core shroud, and is providing the results for NRC review.

Ultrasonic examination of eight (8) circumferential (horizontal) welds (H1, H2, H3, H4, H5, H6a, H6b and H7) was performed by General Electric Nuclear Energy during the period of October 25, 1995, through November 4, 1995. NPPD Calculation NEDC 95-191, "Evaluation of Core Shroud Inspection Results," (attached) provides the inspection results including flaws detected and actual inspection coverages.

Indications found during the inspection were evaluated in accordance with GENE-523-174-1293, Revision 2, "Evaluation and Screening Criteria for the Cooper Shroud," (Attachment 2.4 to NEDC 95-191). This General Electric document is consistent with the flaw evaluation criteria presented in Reference 3.

In summary, while evidence of IGSCC or IASCC cracking was recorded in welds H1, H3, H5 and H6a, all evaluated welds meet the applicable Limit Load and/or Linear Elastic Fracture Mechanics (LEFM) screening criteria and no further evaluation or NDE characterization is necessary. Currently, CNS is assessing these results to determine the appropriate reinspection frequency to assure the ongoing structural and functional integrity of the core shroud.

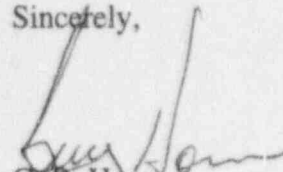
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Should you have any questions or require any additional information, please contact me.

Sincerely,



G. R. Horn
Vice-President, Nuclear

/crm
Attachment

cc: Regional Administrator
USNRC - Region IV

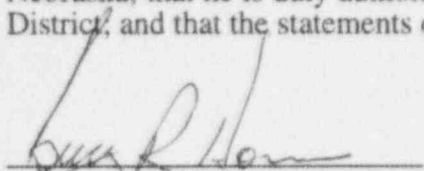
Senior Project Manager
USNRC - NRR Project Directorate IV-1

Senior Resident Inspector
USNRC

NPG Distribution


STATE OF NEBRASKA)
)ss
PLATTE COUNTY)

G. R. Horn, being first duly sworn, deposes and says that he is an authorized representative of the Nebraska Public Power District, a public corporation and political subdivision of the State of Nebraska; that he is duly authorized to submit this response on behalf of Nebraska Public Power District; and that the statements contained herein are true to the best of his knowledge and belief.

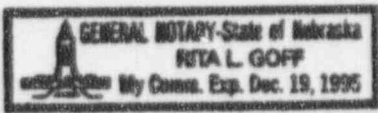


G. R. Horn

Subscribed in my presence and sworn to before me this
8TH day of December, 1995.



NOTARY PUBLIC



Correspondence No: NLS950238

The following table identifies those actions committed to by the District in this document. Any other actions discussed in the submittal represent intended or planned actions by the District. They are described to the NRC for the NRC's information and are not regulatory commitments. Please notify the Licensing Manager at Cooper Nuclear Station of any questions regarding this document or any associated regulatory commitments.

COMMITMENT	COMMITTED DATE OR OUTAGE
None.	