

57-298



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

September 20, 1995

Mr. Guy R. Horn
Vice President - Nuclear
Nebraska Public Power District
P. O. Box 499
Columbus, NE 68602-0499

SUBJECT: COOPER NUCLEAR STATION - GENERIC LETTER 94-03, CORE SHROUD
INSPECTION PLAN (TAC NO. M93077)

Dear Mr. Horn:

We reviewed your letter dated July 14, 1995, containing your inspection plans as requested by Generic Letter (GL) 94-03, "Intergranular Stress Corrosion Cracking of Core Shrouds in BWRs," for the Cooper Nuclear Station (CNS). Under GL 94-03, licensees were requested to: 1) inspect the core shrouds in their BWR plants no later than the next refueling outage; 2) perform materials-related and plant specific consequence safety analyses of their core shrouds; 3) develop core shroud inspection plans that address inspection of all core shroud welds and take into account the latest available inspection technology; 4) develop plans for the evaluation and/or repair of the core shrouds; and 5) work closely with the BWR Owners group to address intergranular stress corrosion cracking of BWR internals. The GL also requested that licensees contact their NRC Project Manager no later than 3 months prior to performing the core shroud inspections to provide specific information concerning the inspection plans, and the plans for evaluation and/or repair of the observed indications.

Your letter of August 26, 1994, provided your evaluation of the susceptibility of the core shroud to cracking and the relative safety significance, assuming the existence of cracking of the shroud. Your letter of July 14, 1995 provided the specific information requested regarding your plans for inspection and evaluation. In that letter you stated that you plan to perform the core shroud weld inspections during the next refueling outage, commencing in October 1995. Your plan identifies each weld to be examined, the method and the tooling, estimated examination coverages and known obstructions. The estimated examination coverages (70%) are preliminary; if exam coverage with the OD tracker is less than 50% for any weld, supplemental examinations will be used to cover additional weld volume, as specified in GENE-523-113-0894, Rev. 1, "BWR Core Shroud Inspection and Flaw Evaluation Guidelines."

You will inspect core shroud horizontal welds H1 through H7 by ultrasonic examination. The inspection will be consistent with the BWR Vessel and Internals Project (BWRVIP) recommendations as presented in the BWR Core Shroud Inspection and Flaw Evaluation Guidelines.

You also provided plans for evaluation and/or repair of the core shroud based on the inspection results. You will have a fracture mechanics contingency evaluation in place before beginning the shroud inspection. You will evaluate results before startup from the upcoming refueling outage based on the flaw

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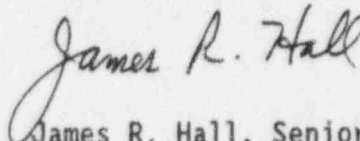
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evaluation criteria in GENE-523-113-0894, Rev. 1, and will base decisions about repairs on the evaluation results. Before startup, you will complete your evaluation of the examination results and ensure that the structural integrity of the shroud has been verified, either by repair, or by fracture mechanics acceptance of detected flaws. As requested in the GL, you will provide the results of the core shroud inspection within 30 days of completing the inspection.

The staff finds your plans for inspection of the CNS core shroud acceptable. They comply with the requested actions of GL 94-03, are in accordance with the recommendations of the BWRVIP, and are similar to plans the staff has approved for other plants. If you have any questions regarding this letter, please contact me at (301) 415-1336.

Sincerely,



James R. Hall, Senior Project Manager
Project Directorate IV-1
Division of Reactor Projects III/IV
Office of Nuclear Reactor Regulation

Docket No. 50-298

cc: See next page

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Sincerely,

Original Signed bBy:

James R. Hall, Senior Project Manager
 Project Directorate IV-1
 Division of Reactor Projects III/IV
 Office of Nuclear Reactor Regulation

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Cooper Nuclear Station

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