

July 31, 1986

Docket No. 50-285

Mr. R. L. Andrews
Division Manager - Nuclear Production
Omaha Public Power District
1623 Harney Street
Omaha, Nebraska 68102

Dear Mr. Andrews:

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SUBJECT: CEA INSPECTION RESULTS

The staff has completed its initial review of your submittal of February 28, 1986 dealing with the end of Cycle 9 CEA Inspection Results. As a result of this review by the staff's consultants at Battelle Pacific Northwest Laboratories, it has been determined that additional information is required to complete the review. The specific information required is described in the Enclosure.

You are requested to provide this additional information within 60 days of receipt of this letter or inform us of a date that you can meet within 15 days. If you have any questions concerning this request, please contact me at (301) 492-8144.

This request for information affects fewer than 10 respondents; therefore, OMB clearance is not required under P.L. 96-511.

Sincerely,

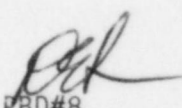
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
Donald E. Sells, Project Manager
PWR Project Directorate #8
Division of PWR Licensing-B

Enclosure:
As stated

cc: See next page

PBD#8
PKreutzer
7/31/86


PBD#8
DSells:jch
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PBD#8
AThadani
7/31/86

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PDR ADOCK 05000285
Q PDR

Mr. R. L. Andrews
Omaha Public Power District

Fort Calhoun Station
Unit No. 1

cc:

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Division of Radiological Health
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Lincoln, Nebraska 68509

Enclosure

Questions Related to the Fort Calhoun Station, Unit No. 1

CEA Inspection Results

1. Section 2.2 of the subject report has calculated an incremental strain for Cycle 10 that appears to be an estimated average incremental strain. If so, what is the 95/95 upper confidence bound strain expected for the CEAs at the end of Cycle 10?
2. Section 3.4 of the subject report has estimated the effects of reduced scram worth on Hot Zero Power and Hot Full Power Main Steam Line Break accidents. Are these the bounding accident scenarios for evaluating control rod worth? Also, why is Cycle 10 considered to have a less severe cooldown curve than some previous cycles for this plant?
3. Do the Combustion Engineering (C-E) evaluation models for B₄C swelling and CEA cladding strain underpredict the strain data from Cycle 9 of Fort Calhoun Station Unit 1? If so, what plans are to be implemented to eliminate further underpredictions of cladding strains for CEAs?