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SUBJECT: Responds to NRC question re steam generator tube sleeving dose assessment.

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AEP:NRG:1129B

Donald C. Cook Nuclear Plant Unit 1
Docket No. 50-315
License No. DPR-58
UNIT 1 STEAM GENERATOR TUBE SLEEVING
DOSE ASSESSMENT

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

Attn: T. E. Murley

November 21, 1990

Dear Dr. Murley:

In our June 27, 1990 letter, AEP:NRG:1129, we requested a change to the Unit 1 Technical Specifications to allow sleeving Cook Nuclear Plant steam generator tubes as opposed to plugging them. The purpose of this letter is to respond to a question by your staff regarding that letter.

As part of the above request, we indicated that there would not be a significant increase in individual or cumulative occupational radiation exposure. This statement is valid for the overall plant population. Your staff correctly pointed out that personnel performing the activity may be subjected to longer exposure times during a sleeving project. In response, dose estimates of 18 mrem per tube for plugging and 95 mrem per tube for sleeving have been calculated during the formal ALARA review for steam generator work. This dose increase per tube may be considered significant; however, actual doses received during any sleeving evolution will continue to be controlled by radiation protection technicians to ensure that no individual is exposed unnecessarily and/or beyond acceptable criteria.

This document has been prepared following Corporate procedures that incorporate a reasonable set of controls to ensure its accuracy and completeness prior to signature by the undersigned.

Sincerely,

A handwritten signature in dark ink, appearing to read 'M. P. Alexich', written over the typed name.
M. P. Alexich
Vice President

9011300089 901121
PDR ADOCK 05000315
PDC

Handwritten notes:
Aool 1/0
Add: NRR/DREF/PRPB
Hr

Dr. T. E. Murley

-2-

AEP:NRC:1129B

MPA/eh

cc: D. H. Williams, Jr.
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J. R. Padgett
G. Charnoff
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NRC Resident Inspector - Bridgman

