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AUTH.NAME AUTHOR AFFILIATION
HUNTER,R.S. Indiana & Michigan Electric Co.
RECIP.NAME RECIPIENT AFFILIATION
DENTON,H.R. Office of Nuclear Reactor Regulation, Director

SUBJECT: Application for amend to Licenses DPR-58 & DPR-74,proposing Tech Spec changes re radiation monitoring sys upgrade including implementation of post-TMI requirements per NUREG-0578 & NUREG-0737.Description of changes encl.

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August 20, 1982
AEP:NRC:0717

Donald C. Cook Nuclear Plant Unit Nos. 1 and 2
Docket Nos. 50-315 and 50-316
License Nos. DPR-58 and DPR-74
TECHNICAL SPECIFICATIONS CHANGES REQUEST

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Denton:

This letter and its attachments request changes in the Appendix "A" Technical Specifications for the Donald C. Cook Nuclear Plant Unit Nos. 1 and 2. Attachment 1 describes the changes. Attachment 2 contains the revised Technical Specification (T/S) pages. All changes have been indicated by a vertical line on the right hand side of the page.

These proposed T/S changes have been reviewed by the Plant Nuclear Safety Review Committee (PNSRC) as required by our T/S. These changes will also be reviewed by the (NSDRC) Nuclear Safety Design Review Committee at their next regularly scheduled meeting to be held on August 24, 1982.

The payment for these changes will be made as part of the fee to be levied for the issuance of the NUREG-0737 Technical Specifications covered by other NRC reviews.

Since these changes are required for restart following our current Unit 1 outage, we request that they be processed expeditiously.

A046

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

Very truly yours,

R. S. Hunter
Vice President

/os

cc: John E. Dolan - Columbus
M. P. Alexich
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W. G. Smith, Jr. - Bridgman
R. C. Callen
G. Charnoff
Joe Williams, Jr.
NRC Resident Inspector at Cook Plant - Bridgman

ATTACHMENT 1 TO AEP:NRC:0717

Description of Technical Specification (T/S) Changes

Unit 1; Page 3/4 3-19; Table 3.3-3
Unit 1; Pages 3/4 3-35,36,37; Table 3.3-6
Unit 1; Page 3/4 3-38; Table 4.3-3
Unit 1; Page 3/4 4-14; Section 3.4.6.1
Unit 1; Page 3/4 9-10; Section 4.9.9

Unit 2; Page 3/4 3-18; Table 3.3-3
Unit 2; Pages 3/4 3-34,35,36; Table 3.3-6
Unit 2; Page 3/4 3-37; Table 4.3-3
Unit 2; Page 3/4 4-14; Section 3.4.6.1
Unit 2; Page 3/4 9-9 ; Section 4.9.9

The new radiation monitors are part of an overall Plant Radiation Monitoring System (RMS) upgrade package which includes implementation of post-TMI requirements as stated in NUREG-0578 and 0737. Only those Technical Specifications applicable to equipment which is being replaced and which was previously used to satisfy them are being changed. The new RMS is designed to minimize equipment failures of the type experienced with the original equipment. We believe that these modifications will result in an overall improvement in plant safety.

It is our desire to complete the first phase of the RMS upgrade work during this year's refueling outages. In particular, we intend to have the equipment operational in Unit 1 in time to meet the operability dates stated in our letters of December 23, 1981 (AEP:NRC:0652) and May 14, 1982 (AEP:NRC:0678) for these post-TMI items.

The new lower containment monitors which initiate closure of the purge isolation valves, are of a redundant design with each monitor train oriented to a corresponding Class 1E electrical train. These monitors, ERS-1300 and ERS-1400, each consists of particulate, gaseous and iodine detecting capability. They will replace the old R11/R12 monitors. The containment monitors will each initiate closure of a set of Containment Ventilation Isolation (CVI) valves (7 of 14 isolation valves per Unit) as was discussed in our letter AEP:NRC:0723 dated July 21, 1982.

The modification in the upper containment volume involves replacing the single upper containment radiation area monitor (R2) with two, independent, redundant, train-oriented detector/indicator/alarm area monitor sets, each of which is capable of automatically isolating seven containment purge and exhaust valves. That is, the train A device will be capable of isolating the seven inboard purge and exhaust valves and the train B device will be capable of isolating the seven outboard valves. This modification fulfills the commitment in our letter of March 25, 1980 (AEP:NRC:0295B).

DONALD C. COOK NUCLEAR PLANT
UNITS 1 AND 2

ATTACHMENT 2 TO AEP:NRC:0717

TECHNICAL SPECIFICATIONS
CHANGES