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SUBJECT: Application for amend to OL, changing App A of Tech Specs.

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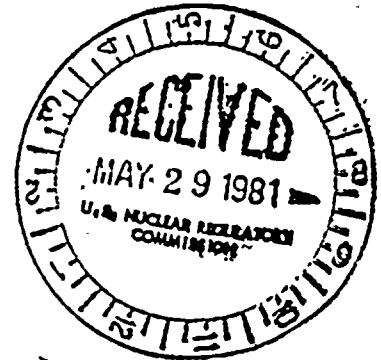
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May 26, 1981
AEP:NRC:0372



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 CHANGE 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 several of the Appendix 'A' Technical Specifications for the Donald C. Cook Nuclear Plant Unit Nos. 1 and 2. Attachment 1 is the description of the changes. Attachment 2 contains the revised Technical Specification pages. A number of these changes are editorial. All changes have been indicated by a vertical line on the right hand side of the page. We request that the NRC file and process this Technical Specification change package as a single amendment.

These proposed Technical Specifications have been reviewed and approved by the Plant Nuclear Safety Committee. The result of these reviews is that these proposed revisions will not adversely affect the health and safety of the public. Change Nos. 4, 5 and 6 have been reviewed by the AEPSC Nuclear Safety and Design Review Committee (NSDRC). The NSDRC concurs with the Plant PNSRC findings. The remaining changes will be reviewed at the next meeting of the NSDRC scheduled for June 9, 1981.

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Mr. Harold R. Denton

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Seven proposed Technical Specification revisions are contained in this submittal; four editorial in nature. Change Nos. 4 and 7 are considered to be Class II amendments (\$1,200 fee each) and change No. 6 is considered to be a Class III amendment (\$4,000.00 fee). Class I duplicate fees also apply for change Nos. 4, 6 and 7. Accordingly, attached is a check in the amount of \$7,600.00 for NRC processing of the aforementioned requests.

Very truly yours,


R. S. Hunter
Vice President

cc: John E. Dolan - Columbus
R. C. Callen
G. Charnoff
R. W. Jurgensen
D. V. Shaller - Bridgman
Region III Resident Inspector @ Cook Plant - Bridgman

ATTACHMENT 1 TO AEP:NRC:0372

Technical Specification Change Descriptions

Change No. 1 (Editorial)

Unit No. 1 - Page 3/4 8-8 - Section 3.8.2.3.

Under the definitions of the two D. C. bus trains, the second one should be changed from AB to CD.

Change No. 2 (Editorial)

Unit No. 2 - Pages 3/4 8-9 and 3/4 8-10; Section 4.8.2.3.2d

In item (d), the table number for battery emergency loads must be changed to 4.8-1A. This revision is due to the fact that currently there are two tables numbered "Table 4.8.1".

Change No. 3 (Editorial)

Unit 1; Page 1-7; Table 1.2.

Unit 2; Page 1-8, Table 1.2 .

In Table 1.2 of both units, frequency notations of the surveillance scheduling will be specified as a specific number of days whenever the frequency is greater than 24 hours. The words "6 months" and "18 months" will be revised to read "184 days" and "549 days" respectively. This terminology conforms to ASME boiler and pressure vessel code, Section III.

Change No. 4

Unit 1; page 3/4 2-2; Section 3.2.1

Unit 2; Page 3/4 2-2; Section 3.2.1

As presently written, Specification 3.2.1 requires that a Licensee Event Report (LER) be submitted whenever the Axial Flux Difference (AFD) exceeds the target AFD by more than +5% regardless of the cumulative penalty deviation. In Section 3.2.1 of the bases it is clearly stated that the use of control rods can be expected, in the majority of instances, to cause the actual AFD to differ from the target AFD by more than +5%.

It is our understanding that the intent of Specification 3.2.1 is to require LER submittal only in those instances when the cumulative penalty deviation exceeds the allowable values specified in the action statement of the specification. However, our present Specification 3.2.1 does not reflect this understanding. In order to clarify the requirements of the specification and to minimize submittal of unnecessary LERs, we are requesting that a Section 3.2.1.d be added to the existing AFD specification. The revised Technical Specification pages reflect this proposed change.

Change No. 5 (Editorial)

Unit 2; Page 3/4 1-11; Section 4.1.2.3

The centrifugal charging pumps, when tested on recirculation flow during modes 5 and 6, must develop a discharge pressure 2390 psig. The 15 psi pressure difference between discharge pressures of the pump during Modes 5 and 6 and during Modes 1-4 is due to a difference in the Volume Control Tank (VCT) pressure in those modes. This was reflected in the Unit 1 Technical Specifications earlier and is now being revised accordingly, in the Unit 2 Technical Specification.

Change No. 6

Unit 1; Page 3/4 6-35; Section 4.6.5.6

Unit 2; Page 3/4 6-44; Section 4.6.5.6

The intent of the C_{eq} fan motor current surveillance is to check for disengaged drive shafts, broken fan blades, frozen or bad bearings, and other malfunctions in the fan-motor system which would cause a significant deviation from the normal motor load. Our review of surveillance test data indicates that the average current observed during tests is less than 56 amperes and the range of deviations under normal yet variable operating conditions is slightly greater than 10 amperes. We are therefore requesting a change to Specification 4.6.5.6.b to read:

- "b. Verifying that with the return air fan dampers closed, the fan motor current is 56 ± 10 AMPS when the fan speed is 880 ± 20 RPM. This envelope would bound all normal operating readings and ensure that the intent of the Specification, to detect an inoperable system, is met."

Change No. 7

Unit 1; Page 3/4 1-15; Section 3.1.2.7 and 4.1.2.7

Unit 2; Page 3/4 1-15; Section 3.1.2.7 and 4.1.2.7

The Technical Specifications require the refueling water storage tank borated water solution temperature be maintained at 70°F or above in Unit 1 and 80°F or above in Unit 2, when it is to be used as a borated water source in Modes 5 and 6. This temperature can be very difficult to maintain when adding cool water to the RWST by blending following draining of the tank for refueling purposes.

Since the present solution temperature limits are derived from emergency core cooling requirements, this high temperature limit should only apply in Modes 1, 2, 3 and 4 which is covered by Technical Specifications 3.1.2.8 and 3.5.5. It is therefore requested that the minimum temperature limit for Modes 5 and 6 be returned to its original value of 35.0°F.