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INDIANA MICHIGAN POWER

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U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Stop O-P1-17
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Donald C. Cook Nuclear Plant Units 1 and 2
CORRECTED PAGES FOR LICENSE AMENDMENTS 243 AND 224
(TAC NOS. MA4922 AND MA4923)

References: 1. Letter from R. P. Powers, I&M, to U. S. Nuclear Regulatory Commission, "Technical Specifications Change Request - Administrative Changes," correspondence number AEP:NRC:0433Q, dated December 3, 1998

2. Letter from J. F. Stang, NRC, to R. P. Powers, I&M, "Donald C. Cook Nuclear Plant, Units 1 and 2 – Issuance of Amendments Re: Administrative Changes (TAC No. MA4922 and MA4923)," dated March 31, 2000

3. Letter from J. F. Stang, NRC, to R. P. Powers, I&M, "Issuance of Amendments - Donald C. Cook Nuclear Plant, Units 1 and 2, Re: Fuel Rod ZIRLO Cladding and Integral Fuel Burnable Absorber Requirements (TAC Nos. MA7041 and MA7042)," dated January 6, 2000

By Reference 1, Indiana Michigan Power Company (I&M), the Licensee for Donald C. Cook Nuclear Plant Units 1 and 2, proposed to amend Facility Operating Licenses DPR-58 and DPR-74. I&M proposed administrative changes to the Unit 1 and Unit 2 Technical Specifications (T/S) to remove obsolete information, provide consistency between Unit 1 and Unit 2 T/S, provide consistency with the Standard T/S, provide clarification, and correct typographical errors. The proposed changes were approved by the NRC in Reference 2 as Amendments 243 and 224. During I&Ms review of these amendments, and prior to implementation of the amendments, inaccuracies were identified in the amended T/S pages. The purpose of this submittal is to

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document the inaccuracies and provide a copy of the corrected pages for NRC review.

The corrected pages are provided in Attachment 1. The inaccuracies and corrections are as follows:

1. T/S 5.6.1.1.c.3 includes equations for determining the equivalent reactivity criteria for storage of fuel in Regions 2 and 3 of the spent fuel pool. Page 5-6 was revised by deleting a reference to the graphical depiction of these equations previously included as Figure 5.6-3. An editorial error was introduced in Unit 1 T/S page 5-6 whereby the negative sign preceding the constant (26,745) in the Region 3 equation was improperly spaced. The equation has been corrected by placing the negative sign immediately before the constant.

2. The Unit 2 T/S were also affected by the deletion of Figure 5.6-3. Unit 2 T/S page 5-6 was previously revised by Amendment 220, Reference 3, which was implemented prior to the issuance of Amendments 243 and 224. Amendment 220 included a change to delete T/S 5.6.1.2 on page 5-6, including the table of specific fuel assembly types allowed in the spent fuel storage racks. However, the Unit 2 page 5-6 issued with Amendments 243 and 224 did not reflect the changes that had been implemented by Amendment 220. This page has been corrected by deleting T/S 5.6.1.2 and adding reference to Amendment 220 in the footer.

3. Table 4.4-2 delineates actions to be taken based on steam generator tube inspection results. The number of tubes to be inspected is a multiple of a variable, "S," which is defined in a footnote below Table 4.4-2. In the Unit 2 page 3/4 4-13 issued with Amendment 224, the arithmetic expression defining "S" erroneously replaced a "÷" sign with a "+" sign. The derivation of S has been corrected to read "S = 3(N/n)%."

The inaccuracies addressed above were introduced following the submittal of Reference 1. I&M has evaluated these discrepancies and concludes that the evaluation of significant hazards considerations provided as Attachment 4 to Reference 1 is not affected. Additionally, correction of these inaccuracies does not affect the basis for approval of Amendments 243 and 224, as documented in the safety evaluation report in Reference 2. There are no new commitments made in this submittal. The 30-day implementation period for Amendments 243 and 224 expires on May 1, 2000; therefore, I&M requests that the corrected pages be reissued as expeditiously as possible.

Should you have any questions, please contact me at (616) 466-2698.

Sincerely,

Robert C Godley

R. C. Godley
Director of Regulatory Affairs

Attachment

\dms

c: J. E. Dyer
MDEQ - DW & RPD
NRC Resident Inspector
R. Whale

ATTACHMENT 1 TO C0400-17

CORRECTED TECHNICAL SPECIFICATIONS PAGES
FOR LICENSE AMENDMENTS 243 AND 224

REVISED PAGE
UNIT 1

5-6

REVISED PAGES
UNIT 2

3/4 4-13
5-6

5.6 FUEL STORAGE (Continued)

1. Region 1 is designed to accommodate new fuel with a maximum nominal enrichment of 4.95 wt% U-235, or spent fuel regardless of the discharge fuel burnup.

2. Region 2 is designed to accommodate fuel of 4.95% initial nominal enrichment burned to at least 50,000 MWD/MtU, or fuel of other enrichments with equivalent reactivity.

3. Region 3 is designed to accommodate fuel of 4.95% initial nominal enrichment burned to at least 38,000 MWD/MtU, or fuel of other enrichments with equivalent reactivity.

The equivalent reactivity criteria for Region 2 and Region 3 is defined via the following equations:

For Region 2 Storage

Minimum Assembly Average Burnup in MWD/MTU =

$$-22{,}670 + 22{,}220\ E - 2{,}260\ E^2 + 149\ E^3$$

For Region 3 Storage

Minimum Assembly Average Burnup in MWD/MTU =

$$-26{,}745 + 18{,}746\ E - 1{,}631\ E^2 + 98.4\ E^3$$

Where E = Initial Peak Enrichment

TABLE 4.4-2
STEAM GENERATOR TUBE INSPECTION

1ST SAMPLE INSPECTION			2ND SAMPLE INSPECTION		3RD SAMPLE INSPECTION	
Sample Size	Result	Action Required	Result	Action Required	Result	Action Required
A minimum of S Tubes per S.G.	C-1	None	N/A	N/A	N/A	N/A
	C-2	Plug defective tubes and inspect additional 2S tubes in this S.G.	C-1	None	N/A	N/A
			C-2	Plug defective tubes and inspect additional 4S tubes in this S.G.	C-1	None
					C-2	Plug defective tubes
					C-3	Perform action for C-3 result of first sample
			C-3	Perform action for C-3 result of first sample	N/A	N/A
	C-3	Inspect all tubes in this S.G., plug defective tubes and inspect 2S tubes in each other S.G. Prompt notification to NRC pursuant to specification 6.9.1	All other S.G.s are C-1	None	N/A	N/A
			Some S.G.s C-2 but no additional S.G. are C-3.	Perform action for C-2 result of second sample	N/A	N/A
			Additional S.G. is C-3	Inspect all tubes in each S.G. and plug defective tubes. Prompt notification to NRC pursuant to specification 6.9.1.	N/A	N/A

S = 3(N/n)% Where N is the number of steam generators in the unit, and n is the number of steam generators inspected during an inspection.

5.6 FUEL STORAGE (Continued)

CRITICALITY - SPENT FUEL (Continued)

The equivalent reactivity criteria for Region 2 and Region 3 is defined via the following equations:

For Region 2 Storage

Minimum Assembly Average Burnup in MWD/MTU =

$$- 22{,}670 + 22{,}220\ E - 2{,}260\ E^2 + 149\ E^3$$

For Region 3 Storage

Minimum Assembly Average Burnup in MWD/MTU =

$$- 26{,}745 + 18{,}746\ E - 1{,}631\ E^2 + 98.4\ E^3$$

Where E = Initial Peak Enrichment