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A unit of American Electric Power

Indiana Michigan Power
Cook Nuclear Plant
One Cook Place
Bridgman, MI 49106
AEP.com

May 11, 2007

AEP:NRC:7071-01
10 CFR 50.71(e)
10 CFR 50.59(d)(2)
10 CFR 50.54(a)(3)

Docket Nos.: 50-315
50-316

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Stop O-P1-17
Washington, DC 20555-0001

Donald C. Cook Nuclear Plant Units 1 and 2
10 CFR 50.71(e) UPDATE AND RELATED SITE CHANGE REPORTS

- References:
1. Letter from J. B. Hickman, Nuclear Regulatory Commission (NRC), to E. E. Fitzpatrick, Indiana Michigan Power Company (I&M), "Donald C. Cook Nuclear Plant, Units 1 and 2 – Exemption to 10 CFR 50.71(e)(4) (TAC Nos. M99494 and M99495)," dated March 3, 1998.
 2. Letter from J. N. Jensen, I&M, to NRC Document Control Desk, "Donald C. Cook Nuclear Plant Units 1 and 2, Updated Final Safety Analysis Report Update in Accordance with 10 CFR 50.71(e), Report of Changes, Tests, and Experiments in Accordance with 10 CFR 50.59(d)(2), Annual Commitment Change Summary Report in Accordance with NEI 99-04, Report of Change to the Quality Assurance Program in Accordance with 10 CFR 50.54(a)(3), and Technical Specification Bases Control Program," AEP:NRC:5071-04, dated October 24, 2005.

Indiana Michigan Power Company (I&M), the Licensee for Donald C. Cook Nuclear Plant (CNP) Units 1 and 2, hereby submits the CNP Updated Final Safety Analysis Report (UFSAR) update as required by 10 CFR 50.71(e), a report of changes, tests, and experiments as required by 10 CFR 50.59(d)(2), a Commitment Change Summary Report as recommended by NEI 99-04, "Guidelines for Managing Nuclear Regulatory Commission Commitment Changes," the updated Quality Assurance Program Description as required by 10 CFR 50.54(a)(3), changes to the Technical Specification (TS) Bases consistent with 10 CFR 50.71(e), changes to the Technical Requirements Manual, and updates to Fire Protection Program Manual, Fire Hazards Analysis, and Safe Shutdown Capability Assessment in accordance with 10 CFR 50.71(e).

The reporting period for this update is from May 1, 2005, through December 31, 2006. The Unit 1 and Unit 2 Improved Technical Specifications (ITS), including Revision 0 of the Technical

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Specification Bases, were approved by the Nuclear Regulatory Commission (NRC) on June 1, 2005. The Unit 1 and Unit 2 Technical Requirements Manual (TRM) was developed during implementation of ITS. This is the first time the TRM has been provided to the NRC. ITS was implemented on September 25, 2005.

During preparation of this submittal, it was identified that I&M has not been providing updates to Fire Protection Program documents. The Fire Protection Program Manual, Fire Hazards Analysis, and Safe Shutdown Capability Assessment are incorporated by reference in the UFSAR and require updating per 10 CFR 50.71(e). I&M has included updates of the Fire Protection Program Manual, Fire Hazards Analysis, and Safe Shutdown Capability Assessment as Enclosures 10, 11, and 12, respectively, to meet this requirement.

I&M is submitting an electronic copy of the UFSAR (Enclosure 1) on a CD-ROM (Disk 1) in accordance with 10 CFR 50.4 and NRC 10 CFR Chapter 1, RIN 3150-AH33, "Electronic Maintenance and Submission of Information."

A second CD-ROM (Disk 2) provides electronic copies of the following:

- Summary of UFSAR Changes for Versions 20.1, 20.2, and Revision 21 (Enclosure 2)
- A report of Changes, Tests, and Experiments as required by 10 CFR 50.59(d)(2) (Enclosure 3)
- Donald C. Cook Nuclear Plant's Commitment Change Summary Report, which was prepared in accordance with NEI 99-04 (Enclosure 4)
- Donald C. Cook Nuclear Plant's revised Quality Assurance Program Description, Revision 20 (Enclosure 5)
- Donald C. Cook Nuclear Plant's revised Quality Assurance Program Description, Revision 20, Summary of Changes (Enclosure 6)
- Donald C. Cook Nuclear Plant Unit 1 and Unit 2 Technical Specification Bases changed pages (Enclosure 7)
- Donald C. Cook Nuclear Plant's Unit 1 Technical Requirements Manual update (Enclosure 8)
- Donald C. Cook Nuclear Plant's Unit 2 Technical Requirements Manual update (Enclosure 9)
- Donald C. Cook Nuclear Plant's Fire Protection Program Manual (Enclosure 10)

- Donald C. Cook Nuclear Plant's Fire Hazards Analysis (Enclosure 11)
- Donald C. Cook Nuclear Plant's Safe Shutdown Capability Assessment (Enclosure 12)

This submittal contains no new commitments. Should you have any questions, please contact:

Name: Ms. Susan D. Simpson, Regulatory Affairs Manager
Mailing Address: Donald C. Cook Nuclear Plant
One Cook Place
Bridgman, Michigan 49106
Mail Zone 4A
Email Address: sdsimpson@aep.com
Phone: (269) 466-2428

Document Components:

A total of two (2) CD-ROMS are included in this submittal. The CD-ROM labeled Enclosure 1 to AEP:NRC:7071-01 contains the following two (2) folders and two (2) files, the Ufsar folder, and the support programs, Acroread folder, FSARstart.PDF file, and Readme.txt file, to allow access and search capability.

File Name		File Size	Sensitivity Level
Acroread	(folder)	6,488,064 bytes	Publicly available
Ufsar	(folder)	444,446,720 bytes	Publicly available
FSARstart.PDF	(file)	6,254,592 bytes	Publicly available
Readme.txt	(file)	2,048 bytes	Publicly available

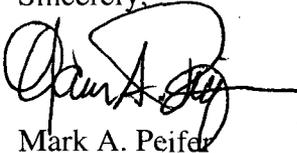
The CD-ROM labeled Enclosures 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 12 to AEP:NRC:7071-01 contains the following eleven (11) files:

File Name		File Size	Sensitivity Level
001_Enclosure2.pdf	(file)	2,127,872 bytes	Publicly available
002_Enclosure3.pdf	(file)	397,312 bytes	Publicly available
003_Enclosure4.pdf	(file)	446,464 bytes	Publicly available
004_Enclosure5.pdf	(file)	2,392,064 bytes	Publicly available
005_Enclosure6.pdf	(file)	18,432 bytes	Publicly available
006_Enclosure7.pdf	(file)	636,928 bytes	Publicly available
007_Enclosure8.pdf	(file)	421,888 bytes	Publicly available
008_Enclosure9.pdf	(file)	425,984 bytes	Publicly available
009_Enclosure10.pdf	(file)	20,322,304 bytes	Publicly available
010_Enclosure11.pdf	(file)	22,280,192 bytes	Publicly available
011_Enclosure12.pdf	(file)	4,134,912 bytes	Publicly available

Enclosure Titles:

1. Donald C. Cook Nuclear Plant UFSAR – Revision 21, April 5, 2007
2. Donald C. Cook Nuclear Plant UFSAR – Summary of UFSAR Changes for Versions 20.1, 20.2, and Revision 21
3. Donald C. Cook Nuclear Plant Report of Changes, Tests, and Experiments Pursuant to 10 CFR 50.59(d)(2)
4. Donald C. Cook Nuclear Plant Commitment Change Summary Report
5. Donald C. Cook Nuclear Plant Quality Assurance Program Description, Revision 20
6. Donald C. Cook Nuclear Plant Quality Assurance Program Description, Revision 20, Summary of Changes
7. Donald C. Cook Nuclear Plant Unit 1 and Unit 2 Technical Specification Bases Changed Pages
8. Donald C. Cook Nuclear Plant Unit 1 Technical Requirements Manual Update
9. Donald C. Cook Nuclear Plant Unit 2 Technical Requirements Manual Update
10. Fire Protection Program Manual – Revision 10, December 15, 2006
11. Fire Hazards Analysis – Revision 13, December 15, 2006
12. Safe Shutdown Capability Assessment – Revision 13, January 19, 2007

Sincerely,



Mark A. Peifer
Site Support Services Vice President

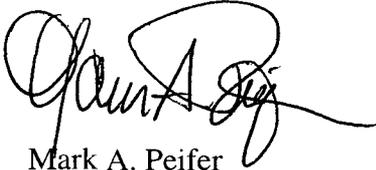
RSP/rdw

- c: J. L. Caldwell - NRC Region III
K. D. Curry - AEP Ft. Wayne, w/o enclosures
J. T. King - MPSC, w/o enclosures
MDEQ - WHMD/RPMWS, w/o enclosures
NRC Resident Inspector
P. S. Tam - NRC Washington DC

AFFIRMATION

I, Mark A. Peifer, being duly sworn, state that I am Site Support Services Vice President of Indiana Michigan Power Company (I&M), that I am authorized to sign and file this letter with the Nuclear Regulatory Commission on behalf of I&M, and that the statements made and the matters set forth herein pertaining to I&M are true and correct to the best of my knowledge, information, and belief.

Indiana Michigan Power Company



Mark A. Peifer
Site Support Services Vice President

SWORN TO AND SUBSCRIBED BEFORE ME

THIS 11th DAY OF May, 2007

Regan D. Wendzel
Notary Public

My Commission Expires REGAN D. WENZEL
Notary Public, Berrien County, MI
My Commission Expires Jan. 21, 2009

ENCLOSURE 1 TO AEP:NRC:7071-01

DONALD C. COOK NUCLEAR PLANT

UFSAR – REVISION 21

APRIL 5, 2007

CD Number 1

ENCLOSURE 2 TO AEP:NRC:7071-01

DONALD C. COOK NUCLEAR PLANT

SUMMARY OF UFSAR CHANGES FOR VERSIONS 20.1, 20.2, AND REVISION 21

CD Number 2

ENCLOSURE 3 TO AEP:NRC:7071-01

DONALD C. COOK NUCLEAR PLANT

REPORT OF CHANGES, TESTS, AND EXPERIMENTS PURSUANT TO 10 CFR 50.59(d)(2)

CD Number 2

ENCLOSURE 4 TO AEP:NRC:7071-01
DONALD C. COOK NUCLEAR PLANT
COMMITMENT CHANGE SUMMARY REPORT

CD Number 2

ENCLOSURE 5 TO AEP:NRC:7071-01

DONALD C. COOK NUCLEAR PLANT

QUALITY ASSURANCE PROGRAM DESCRIPTION, REVISION 20

CD Number 2

ENCLOSURE 6 TO AEP:NRC:7071-01

DONALD C. COOK NUCLEAR PLANT

QUALITY ASSURANCE PROGRAM DESCRIPTION, REVISION 20
SUMMARY OF CHANGES

CD Number 2

ENCLOSURE 7 TO AEP:NRC:7071-01

DONALD C. COOK NUCLEAR PLANT

UNIT 1 AND UNIT 2 TECHNICAL SPECIFICATION BASES CHANGED PAGES

CD Number 2

ENCLOSURE 8 TO AEP:NRC:7071-01

DONALD C. COOK NUCLEAR PLANT

UNIT 1 TECHNICAL REQUIREMENTS MANUAL UPDATE

CD Number 2

ENCLOSURE 9 TO AEP:NRC:7071-01

DONALD C. COOK NUCLEAR PLANT

UNIT 2 TECHNICAL REQUIREMENTS MANUAL UPDATE

CD Number 2

ENCLOSURE 10 TO AEP:NRC:7071-01

DONALD C. COOK NUCLEAR PLANT

FIRE PROTECTION PROGRAM MANUAL
REVISION 10

CD Number 2

ENCLOSURE 11 TO AEP:NRC:7071-01

DONALD C. COOK NUCLEAR PLANT

FIRE HAZARDS ANALYSIS
REVISION 13

CD Number 2

ENCLOSURE 12 TO AEP:NRC:7071-01

DONALD C. COOK NUCLEAR PLANT

SAFE SHUTDOWN CAPABILITY ASSESSMENT
REVISION 13

CD Number 2