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 FACIL: 50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana & 05000316
 AUTH. NAME: ALEXICH, M. P. AUTHOR AFFILIATION: Indiana & Michigan Electric Co.
 RECIP. NAME: DENTON, H. R. RECIPIENT AFFILIATION: Office of Nuclear Reactor Regulation, Director

SUBJECT: Advises that application for amend to License DPR-74, requesting plant operation w/nuclear enthalpy rise hot channel factor larger than value currently in effect, may be made on or about 840731.

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EXTERNAL:	ACRS 09	6	6	LPDR 03		1	1
	NRC PDR 02	1	1	NSIC 05		1	1
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The following information was obtained from the records of the
 Department of the Interior, Bureau of Land Management, at
 Washington, D. C., on the 10th day of March, 1964.
 The records show that the following land was owned by the
 United States Government on the 10th day of March, 1964:
 1. A certain tract of land, situated in the County of
 [County Name], State of [State Name], containing
 [Area] acres, more or less, and being more particularly
 described as follows: [Description of land]
 2. A certain tract of land, situated in the County of
 [County Name], State of [State Name], containing
 [Area] acres, more or less, and being more particularly
 described as follows: [Description of land]
 3. A certain tract of land, situated in the County of
 [County Name], State of [State Name], containing
 [Area] acres, more or less, and being more particularly
 described as follows: [Description of land]
 4. A certain tract of land, situated in the County of
 [County Name], State of [State Name], containing
 [Area] acres, more or less, and being more particularly
 described as follows: [Description of land]
 5. A certain tract of land, situated in the County of
 [County Name], State of [State Name], containing
 [Area] acres, more or less, and being more particularly
 described as follows: [Description of land]
 6. A certain tract of land, situated in the County of
 [County Name], State of [State Name], containing
 [Area] acres, more or less, and being more particularly
 described as follows: [Description of land]
 7. A certain tract of land, situated in the County of
 [County Name], State of [State Name], containing
 [Area] acres, more or less, and being more particularly
 described as follows: [Description of land]
 8. A certain tract of land, situated in the County of
 [County Name], State of [State Name], containing
 [Area] acres, more or less, and being more particularly
 described as follows: [Description of land]
 9. A certain tract of land, situated in the County of
 [County Name], State of [State Name], containing
 [Area] acres, more or less, and being more particularly
 described as follows: [Description of land]
 10. A certain tract of land, situated in the County of
 [County Name], State of [State Name], containing
 [Area] acres, more or less, and being more particularly
 described as follows: [Description of land]

Tract No.		Area (Acres)		Location	
1	2	3	4	5	6
1	1	100.00	100.00	Section 1, T1N, R1E	County of [County Name], State of [State Name]
2	1	200.00	200.00	Section 2, T1N, R1E	County of [County Name], State of [State Name]
3	1	300.00	300.00	Section 3, T1N, R1E	County of [County Name], State of [State Name]
4	1	400.00	400.00	Section 4, T1N, R1E	County of [County Name], State of [State Name]
5	1	500.00	500.00	Section 5, T1N, R1E	County of [County Name], State of [State Name]
6	1	600.00	600.00	Section 6, T1N, R1E	County of [County Name], State of [State Name]
7	1	700.00	700.00	Section 7, T1N, R1E	County of [County Name], State of [State Name]
8	1	800.00	800.00	Section 8, T1N, R1E	County of [County Name], State of [State Name]
9	1	900.00	900.00	Section 9, T1N, R1E	County of [County Name], State of [State Name]
10	1	1000.00	1000.00	Section 10, T1N, R1E	County of [County Name], State of [State Name]

INDIANA & MICHIGAN ELECTRIC COMPANY

P.O. BOX 16631
COLUMBUS, OHIO 43216

July 6, 1984

AEP:NRC:0878

Donald C. Cook Nuclear Plant Unit No. 2
Docket No. 50-316
License No. DPR-74,
ANTICIPATED APPLICATION FOR UNIT 2 TECHNICAL SPECIFICATION CHANGES

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

Dear Mr. Denton:

This letter constitutes notice that an application for amendment to the Donald C. Cook Nuclear Plant Unit No. 2 Appendix A Technical Specifications (T/S) may be made on or about July 31, 1984. We anticipate that the proposed amendment will request plant operation with a nuclear enthalpy rise hot channel factor ($F_{\Delta H}$) larger than the value currently in effect. The proposed amendment is based on a new LOCA analysis being performed by our fuel vendor, Exxon Nuclear Company. Since final calculations are not yet complete, the application can not be made at this time.

When the final calculations become available, there is a probability that the application will be made on an emergency basis. This is the case because the current $F_{\Delta H}$ limit specified in the T/S is so restrictive that power deratings may be required early in the cycle. The plant is expected to begin power escalation within the next week. Therefore, we expect to make comparisons between measured $F_{\Delta H}$ and the existing T/S limit. If the comparisons obtained during power escalation testing show that a derating early in the cycle will be required, an emergency T/S change will be requested. If the comparisons show that a derating will not be needed, the application for T/S change will request normal processing.

As indicated above, the calculational support for the T/S change is not yet available. However, in order to expedite this matter, my staff has held several discussions and meetings with Exxon during the revisions to Exxon's EXEM/PWR/ECCS model and will continue to do so. As information becomes available, it will be promptly supplied to you for your review. In particular, on July 6, 1984, Exxon Nuclear Company will have submitted for your review:

- 1) A preliminary description of the proposed changes to the EXEM/PWR/ECCS model to account for the difference between the axial power distribution used in the Donald C. Cook Nuclear Plant Unit No. 2 analysis and that employed in the FLECHT SEASET tests. The FLECHT SEASET test data has been used by Exxon Nuclear Company in the reflood heat transfer correlation in EXEM/PWR ECCS evaluation model.

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- 2) Benchmark analyses of EXEM/PWR ECCS model changes relative to the FLECHT skewed tests.
- 3) Preliminary results from the application of EXEM/PWR ECCS model changes to the Donald C. Cook Nuclear Plant Unit No. 2.

The final submission, including the ECCS/LOCA results and the draft T/S changes, is planned for or near July 31, 1984.

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,


M.P. Alexich
Vice President *Wson 7-2-84*

MPA/bjs

cc: John E. Dolan
W.G. Smith, Jr. - Bridgman
R.C. Callen
G. Charnoff
E.R. Swanson, NRC Resident Inspector - Bridgman

1. The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that proper record-keeping is essential for the company's financial health and for providing reliable information to stakeholders.

2. The second part of the document outlines the procedures for handling customer inquiries. It states that all inquiries should be addressed promptly and professionally, and that the company should strive to provide excellent customer service at all times.

3. The third part of the document describes the process for managing inventory. It notes that the company should maintain adequate stock levels to meet customer demand, and that it should regularly review inventory levels to ensure that they are up-to-date.

4. The fourth part of the document discusses the company's marketing strategy. It states that the company will focus on promoting its products through a combination of traditional and digital marketing techniques, and that it will regularly evaluate the effectiveness of its marketing efforts.

5. The fifth part of the document describes the company's human resources policy. It notes that the company will recruit and hire the best talent, and that it will provide ongoing training and development opportunities for its employees.

6. The sixth part of the document discusses the company's financial policy. It states that the company will maintain a strong financial position, and that it will regularly review its financial performance to ensure that it is on track to meet its goals.

7. The seventh part of the document describes the company's environmental policy. It notes that the company is committed to reducing its carbon footprint, and that it will regularly monitor its environmental impact.

8. The eighth part of the document discusses the company's social responsibility policy. It states that the company is committed to contributing to the community, and that it will regularly engage in social responsibility activities.

9. The ninth part of the document describes the company's overall vision and mission. It notes that the company's vision is to become a leading provider of high-quality products and services, and that its mission is to create value for its customers and stakeholders.

10. The tenth part of the document discusses the company's future plans. It states that the company will continue to invest in research and development, and that it will explore new opportunities for growth.