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

SUBJECT: Provides revised list of Exxon safety analysis submittal dates, based on Jan 1986, Cycle 6 startup date. Continued operation justified on same basis allowed for Cycle 5. Meeting on 850530 requested to discuss analyses.

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April 21, 1985  
AEP:NRC:0916A

Donald C. Cook Nuclear Plant Unit No. 2  
Docket No. 50-316  
License No. DPR-74  
Unit 2, Cycle 6 Safety Analyses

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

Dear Mr. Denton:

The schedule for completing the Unit 2, Cycle 6 safety analysis was established in a meeting with the NRC staff on December 13, 1984 based on a December 1985 startup date. As per this schedule, the first set of the analyses is to be transmitted to the NRC for review in July 1985, and the second set in August 1985. Since the revised startup date for Cycle 6 is now January 1986, we propose to submit the safety analyses documentation in accordance with the following schedule:

- 1) LOCA analysis and part of the  
Plant Transient analyses :August 1985
- 2) Remaining Plant Transient analyses  
with the exception of the Steamline  
Break Accident : September 1985
- 3) Steam Line Break Analysis (SLBA) : July 1986

As discussed in the meeting, the steamline break accident for Cycle 6 will be performed using the Exxon Nuclear RELAP5 based methodology. Until such reanalysis of the SLBA is completed by mid-Cycle 6, we believe that continued operation of the plant is justified on the same basis as it was allowed for Cycle 5. The reason for this is that at least through the major portion of Cycle 6, the key parameters associated with the SLBA will be within the bounds of those same parameters allowed for Cycle 5 operation.

As we discussed with your staff, we would like to meet with the NRC staff on May 30, 1985 to discuss the current status of Exxon safety analyses. This will include both transients and ECCS/LOCA methodologies and applications.

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Very truly yours,



M. P. Alexich <sup>11/18</sup>  
Vice President 5/20/25

GJ/bjs

Attachment

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