

Docket No. 50-316

APR 13 1981

LICENSEE: Indiana and Michigan Electric Company

FACILITY: Donald C. Cook Nuclear Plant, Unit No. 2

SUBJECT: SUMMARY OF MEETING HELD ON FEBRUARY 25, 1981 WITH INDIANA AND MICHIGAN ELECTRIC COMPANY AND AMERICAN ELECTRIC POWER SUPPLY COMPANY TO DISCUSS THE POWER DISTRIBUTION LIMITS FOLLOWING RELOAD FOR DONALD C. COOK, UNIT NO. 2

A meeting was held on February 25, 1981 with Indiana and Michigan Electric Company (I&MEC), American Electric Power Supply Company (AEP) and Westinghouse Electric Company. The purpose of the meeting was to provide AEP the opportunity of discussing a peaking factor (F_Q) Technical Specification change request they expect to submit in the near future. The attendance list is enclosed (Enclosure 1).

The current F_Q peaking factor Technical Specification for Unit #2 requires the continual usage of the Axial Power Distribution Monitoring System (APDMS). In addition, the Unit #2 Technical Specifications for F_Q are different from those in Unit #1. Since Unit #2 is primarily a base loaded plant, I&MEC intends to propose Technical Specification changes which will allow credit for the low F_Q which exists when the plant is base loaded and reformatting the Technical Specifications. In this way, the Unit #2 Tech Specs will be brought more in line with Unit #1 Tech Specs and the usage of the APDMS will be reduced. The basic changes that the licensee proposes to make to the Technical Specifications are shown in Enclosure 2. Enclosure 3 is a summary of the benefits expected to be derived from the Tech Spec change.

We made the following comments on the presentation: 1) the peaking factor report should be submitted 60 days prior to startup. The report should include a statement on methodology and xenon function values, and 2) reference to previously submitted reports can be used to provide technical justification for the proposed change.

ORIGINAL SIGNED

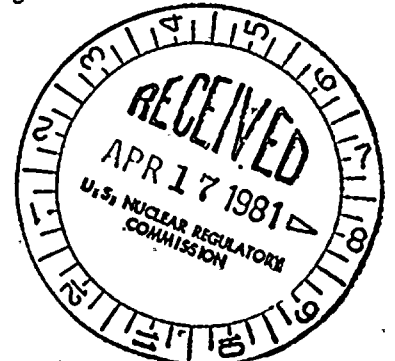
Sydney Miner, Project Manager
Operating Reactors Branch #1
Division of Licensing

Enclosures:

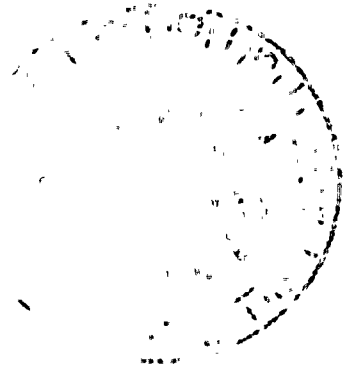
- 1. Attendance List
- 2. Basic Changes
- 3. Summary

cc w/enclosures: See distribution sheet

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DATE	4/10/81	4/10/81					



Docket



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

April 13, 1981

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Sydney Miner
Sydney Miner, Project Manager
Operating Reactors Branch #1
Division of Licensing

- Enclosures:
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cc w/enclosures: See distribution sheet

MEETING SUMMARY
OPERATING REACTORS BRANCH NO. 1
DIVISION OF LICENSING

DISTRIBUTION

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AEP

George John

WESTINGHOUSE

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Jeffrey R. Secker.

BASIC CHANGES TO THE COOK UNIT 2 TECH SPEC

- FOR OPERATOR CONVENIENCE THE PROPOSED TECH SPEC IS SIMILAR IN FORMAT TO UNIT 1.
- $F_Q(z)$ EXPECTED DURING PLANT OPERATION IS REDUCED BY RESTRICTING PLANT MANEUVERS IN BASE LOAD OPERATION.
- SURVEILLANCE TO VERIFY SAFE PLANT OPERATION BELOW THE $F_Q(z)$ LIMITS IS ACCOMPLISHED BY PERIODICALLY MEASURING $F_Q(z)$ WITH A FULL CORE FLUX MAP TAKEN UNDER EQUILIBRIUM CONDITIONS. A $W(z)$ FUNCTION TO ACCOUNT FOR TRANSIENTS IS INTRODUCED TO INCREASE THE MEASURED $F_Q(z)$. THE PRODUCT OF THE MEASURED $F_Q(z)$ MULTIPLIED BY THE $W(z)$ FUNCTION IS THEN COMPARED TO SAFETY LIMITS.
- $F_Q(z)$ SURVEILLANCE REPLACES EXPLICIT $F_{XY}(z)$ SURVEILLANCE WHILE RETAINING THE INTENT OF USING A MEASURED PARAMETER TO VERIFY TECH SPEC LIMITS
- CYCLE DEPENDENT FACTORS ARE REMOVED BY ADOPTING A PEAKING FACTOR REPORT.

D. C. COOK UNIT 2 BASE LOAD $F_Q(Z)$ TECH SPEC

- THE PROPOSED TECH SPEC PROVIDES A MORE CONVENIENT FORM OF MONITORING F_Q TO ASSURE SAFETY LIMITS ARE NOT VIOLATED.
- $F_{XY}(Z)$ SURVEILLANCE IS IMPLICITLY INCLUDED IN THE EQUILIBRIUM MEASURED $F_Q(Z)$.
- THE OPERATING $F_Q(Z)$ VALUE IS DECREASED BY EMPLOYING BASE LOAD OPERATION TO RESTRICT OPERATING MANEUVERS.
- DUTY ON THE APDMS SYSTEM IS RELIEVED.
- FUTURE TECHNICAL SPECIFICATION CHANGES ARE MINIMIZED BY REMOVING CYCLE DEPENDENT VALUES FROM THE TECH SPECS. THESE CYCLE DEPENDENT VALUES ARE REPORTED TO THE NRC IN A PEAKING FACTOR REPORT.
- OPERATOR CONVENIENCE IS ENHANCED BY MAINTAINING A FORMAT SIMILAR TO THE UNIT 1 F_Q TECH SPEC.

APR 16 1981