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 FACIL:50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana & 05000315  
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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: Notifies of intention to replace low pressure turbine rotor  
 w/spare rotor of "monoblock" design. Shipment of rotor  
 expected in Feb 1986. Installation anticipated in late 1986  
 during refueling outage.

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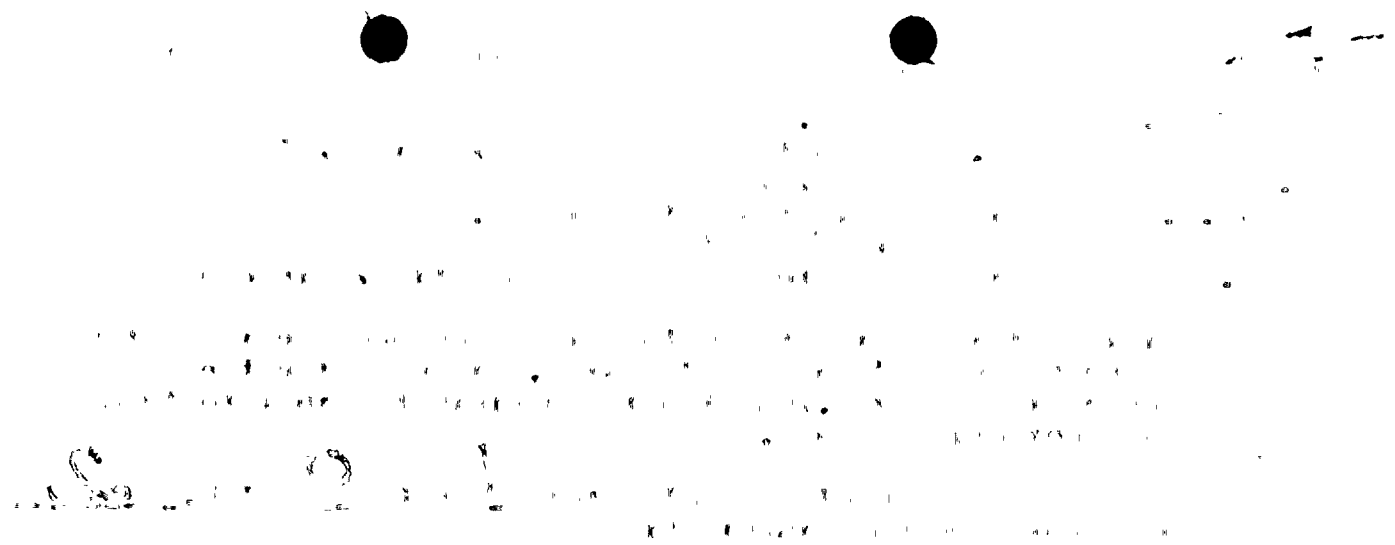
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# INDIANA & MICHIGAN ELECTRIC COMPANY

P.O. BOX 16631  
COLUMBUS, OHIO 43216

January 3, 1985  
AEP:NRC:0912

Donald C. Cook Nuclear Plant Unit No. 1  
Docket No. 50-315  
License No. DPR-58  
REPLACEMENT OF UNIT NO. 1 LOW PRESSURE TURBINE ROTOR

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

Dear Mr. Denton:

This letter is to inform you that it is our intention to replace one of the low-pressure turbine rotors on Unit 1 with a spare rotor of a design, referred to as "monoblock". The current low pressure turbine rotors are of a "built up" design consisting of individual rotor wheels shrunk on and keyed to a central shaft. The new monoblock design is machined from a single piece forging eliminating the shrunk-on wheels, axial keyways and resultant high wheel bore stresses while maintaining the identical blade path and basic rotor geometry of the original design. This allows "drop-in" interchangeability of the spare with any of the three existing low pressure rotors. Utilization of a unit spare will also allow sequential inspection and repair or rebuild (if required) of the existing rotors between regular refueling outages while maintaining high unit availability and reliability. Both the current and the new design rotors are supplied by General Electric Company.

This monoblock rotor is scheduled for shipment from General Electric in February 1986 with anticipated installation during the refueling outage late in 1986.

In order to provide the necessary documentation for this changeover, it is our intent to prepare a report containing information similar to that in Chapter 14.1.13 of our Updated FSAR. If, at the time the report is prepared, we feel the new monoblock design does not constitute an unreviewed safety question as defined in 10 CFR 50.59, then it is our intent to proceed with the changeover and update our FSAR in accordance with the provision of 10 CFR 50.71. If, as a result of the investigation, we find that we cannot perform a review under the provisions to 10 CFR 50.59 then the document will be submitted for your review at least six months prior to the planned changeover.

We assume the above intended schedule of activities is acceptable to your staff. If it is not, we would appreciate your response at the earliest possible date.

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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,



Milton P. Alexich  
Vice President

RBK  
11/3/85

MPA/cm

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

The above information was obtained from the records of the  
 Department of the Interior, Bureau of Land Management, and  
 is being furnished to you for your information.

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DATE: 10/10/2009  
TIME: 10:00 AM