

50-331

## NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER

TO:

Mr. Edson G. Case

FROM:

Iowa Elec. Light & Pwr. Company  
Cedar Rapids, Iowa  
Lee Liu

DATE OF DOCUMENT

7/11/77

DATE RECEIVED

7/15/77

☒ LETTER☒ NOTORIZED

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## DESCRIPTION

Ltr. w/attached...notorized 7/11/77...  
consisting of supplement to application  
dated 6/17/77 concerning analysis of  
misoriented bundle.....

(2-P)

## ENCLOSURE

DO NOT REMOVE

ACKNOWLEDGED

## PLANT NAME:

Duane Arnold  
RJL 7/15/77

## SAFETY

## FOR ACTION/INFORMATION

## ENVIRONMENTAL

ASSIGNED AD:

BRANCH CHIEF:

PROJECT MANAGER:

LICENSING ASSISTANT:

ASSIGNED AD: V. MOORE (LTR)

BRANCH CHIEF:

PROJECT MANAGER:

LICENSING ASSISTANT:

B. HARLESS

## INTERNAL DISTRIBUTION

<input checked="" type="checkbox"/> REG FILES	<input type="checkbox"/> SYSTEMS SAFETY	<input type="checkbox"/> PLANT SYSTEMS	<input type="checkbox"/> SITE SAFETY &
<input checked="" type="checkbox"/> NRC PDR	<input type="checkbox"/> HEINEMAN	<input type="checkbox"/> TEDESCO	<input type="checkbox"/> ENVIRON ANALYSIS
<input checked="" type="checkbox"/> I & E (2)	<input type="checkbox"/> SCHROEDER	<input type="checkbox"/> BENAROYA	<input type="checkbox"/> DENTON & MULLER
<input checked="" type="checkbox"/> OELD	<input type="checkbox"/> ENGINEERING	<input type="checkbox"/> LAINAS	<input type="checkbox"/> CRUTCHFIELD
<input checked="" type="checkbox"/> GOSSICK & STAFF	<input type="checkbox"/> KNIGHT	<input type="checkbox"/> IPPOLITO	<input type="checkbox"/> ENVIRO TECH.
<input checked="" type="checkbox"/> HANAHER	<input type="checkbox"/> BOSNAK	<input type="checkbox"/> F. ROSA	<input type="checkbox"/> ERNST
<input checked="" type="checkbox"/> MIPC	<input type="checkbox"/> SIHWELL	<input type="checkbox"/> OPERATING REACTORS	<input type="checkbox"/> BALLARD
<input checked="" type="checkbox"/> CASE	<input type="checkbox"/> PAWLICKI	<input type="checkbox"/> STELLO	<input type="checkbox"/> YOUNGBLOOD
<input checked="" type="checkbox"/> BOYD	<input type="checkbox"/> REACTOR SAFETY	<input checked="" type="checkbox"/> EISENHUT	<input type="checkbox"/> SITE TECH.
<input type="checkbox"/> PROJECT MANAGEMENT	<input type="checkbox"/> ROSS	<input checked="" type="checkbox"/> SHAO	<input type="checkbox"/> GAMMILL (2)
<input type="checkbox"/> SKOVHOLT	<input type="checkbox"/> NOVAK	<input checked="" type="checkbox"/> BAER	<input type="checkbox"/> SITE ANALYSIS
<input type="checkbox"/> P. COLLINS	<input type="checkbox"/> ROSZTOCZY	<input checked="" type="checkbox"/> BUTLER	<input type="checkbox"/> VOLLMER
<input type="checkbox"/> HOUSTON	<input checked="" type="checkbox"/> CHECK	<input type="checkbox"/> GRIMES	<input type="checkbox"/> BUNCH
<input type="checkbox"/> MELTZ	<input type="checkbox"/> AT&I	<input type="checkbox"/> J. COLLINS	<input checked="" type="checkbox"/> KREGER
<input type="checkbox"/> HELTEMES	<input type="checkbox"/> SALTZMAN		
<input type="checkbox"/> SK	<input type="checkbox"/> RUTBERG		

## EXTERNAL DISTRIBUTION

## CONTROL NUMBER

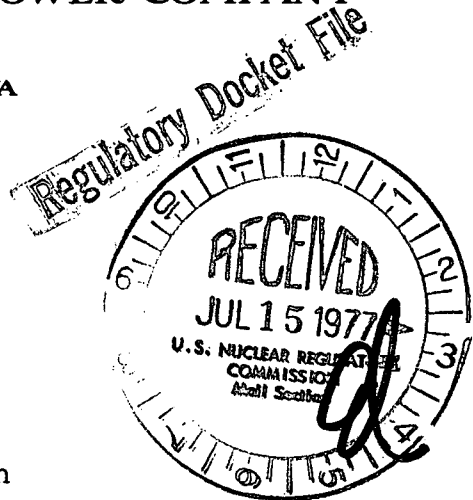
<input checked="" type="checkbox"/> LPDR: Cedar Rapids, Ia	<input type="checkbox"/> NSIC	771960255
<input checked="" type="checkbox"/> TIC		
<input checked="" type="checkbox"/> NAT LAB		
<input checked="" type="checkbox"/> REG IV (J. HANCHETT)		
<input checked="" type="checkbox"/> 16 CYS ACRS SENT CATEGORY B		

# IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office  
CEDAR RAPIDS, IOWA

LEE LIU  
VICE PRESIDENT - ENGINEERING

July 11, 1977  
IE-77-1322



Mr. Edson G. Case, Acting Director  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20545

Dear Mr. Case:

This submittal is to supplement our application dated June 17, 1977. The enclosed question was transmitted orally to us by Mr. M. Mendonca of your staff. This submittal is to provide written confirmation of the answer.

This supplement to the application, including the enclosure to this letter, is true and accurate to the best of my knowledge and belief.

IOWA ELECTRIC LIGHT AND POWER COMPANY

BY: Larry D. Root  
Lee Liu *for*  
Vice President, Engineering

LL/KAM/bja  
Enc.

Subscribed and Sworn to before me on  
this 11<sup>th</sup> day of July, 1977.

cc: K. Meyer  
D. Arnold  
R. Lowenstein  
R. Clark (NRC)  
L. Root  
File J-60a

Jean R. Smith  
Notary Public in and for the State of  
Iowa.

Jean R. Smith  
NOTARY PUBLIC  
STATE OF IOWA  
Commission Expires  
September 30, 1978

771960255

1. QUESTION

As the NRC concerns on the new methods of evaluating the misoriented bundle require further clarification, provide the results of the analysis of misoriented bundle by previously approved methods.

RESPONSE

In the June 17, 1977, submittal, the analysis of the rotated bundle accident yielded a MCPR of 1.07 and a peak linear heat generation rate of 16.8 kw/ft. with an initial MCPR of 1.22. With the same initial conditions and the simplified procedures used in the January 31, 1977, submittal, the analysis results in a 1.01 MCPR and a peak linear heat generation rate of 16.5 kw/ft.

Until such time as the new rotated bundle accident analysis methods are approved, it is appropriate to approve Technical Specifications with an operating limit MCPR of 1.27 for 8 x 8 fuel.

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