

Central
Files

Iowa Electric Light and Power Company

April 16, 1981

LDR-81-140

LARRY D. ROOT
ASSISTANT VICE PRESIDENT
OF NUCLEAR DIVISION

50-331



Mr. James G. Keppler, Director
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, IL 60137

Subject: Information for Item 4 of
IE Bulletin 79-26, Revision 1

Attachment: 1) "Control Blade Examination Results
and Response to Item 4 of IE
Bulletin 79-26, "NEDE-24325-P
(General Electric Proprietary) and
NEDO-24325, March, 1981.

Reference: 1) "Evaluation of Control Blade
Lifetime With Potential Loss of
B₄C," NEDE-24226-P (General
Electric Proprietary) and NEDO-
24226, December 1979;
NEDE-24226-P (General Electric
Proprietary) Supplement 1, March 1981.

File: NRC-2, IE Bulletin 79-26

Dear Mr. Keppler:

This letter transmits one (1) copy each of the Attachment 1 Reports which satisfy the requirements of Item 4 in IE Bulletin 79-26, Revision 1. Attachment 1 provides the results of additional post-irradiation examinations, and comparisons of the post-irradiation examination results to a new boron depletion analytical model developed by General Electric. The boron depletion model described in Attachment 1 is shown to be in good agreement with the post-irradiation examination data.

General Electric demonstrates in Attachment 1 that the control blade destructive examination data presented in Attachment 1 and Reference 1 are applicable to and representative of, the control blades at the Duane Arnold Energy Center. The reports confirm that the loss of boron based on 50% local boron depletion is predictable, and is not affected by the plant(s) operating parameters.

8105050156

Attachments available in RIII comm. files

Q (in 2 separate
bound books)

APR 20 1981

AO/I
2

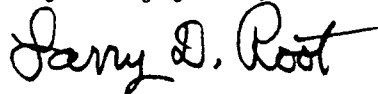
Mr. James G. Keppler
Page 2
LDR-81-140

Attachment 1 contains information which General Electric Company customarily maintains in confidence and withholds from public disclosure. The information has been handled and classified as proprietary to General Electric, and we hereby request that NEDE-24325-P be withheld from public disclosure in accordance with provisions of 10CFR2.790. An affidavit supporting this request was provided by General Electric letter MFN-066-81 dated April 8, 1981 from R. Gridley to W. Johnson.

This letter fulfills the reporting requirements specified in Item 4 of IE Bulletin 79-26, Revision 1.

This final response to Bulletin 79-26 was scheduled to be submitted by April 15, 1981. This letter is being submitted late due to questions which arose concerning the affidavit status. We apologize for any inconvenience this may have caused.

Very truly yours,



Larry D. Root
Assistant Vice President
Nuclear Generation

LDR/DWT/pl/kmh

Attachments

cc: U. S. Nuclear Regulatory Commission (w/o enc.)
Office of Inspection and Enforcement
Division of Reactor Operations Inspection
Washington, D. C. 20555

Dr. William Johnston, Chief (w/o enc.)
Core Performance Branch
Office of Nuclear Reactor Regulation
Washington, D. C. 20555

D. Tooker (all w/o enc.)
D. Arnold
S. Tuthill
L. Liu
L. Root
R. McGaughy
D. Mineck
K. Meyer
D. Wilson
J. Vinqvist
G. Van Middlesworth
J. Van Sickle
D. Teply