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 FACIL: 50-331 Duane Arnold Energy Center, Iowa Electric Light & Pow 05000331  
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 MCGAUGHY, R. W. Iowa Electric Light & Power Co.  
 RECIP. NAME RECIPIENT AFFILIATION  
 DENTON, H. Office of Nuclear Reactor Regulation, Director (post 851125)

SUBJECT: Forwards proprietary suppl info re "Tech Spec Change RTS-211  
 Reload License For Cycle 9." Info withheld (ref 10CFR50.91).

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Iowa Electric Light and Power Company

March 20, 1987  
NG-87-0998

Mr. Harold Denton  
Director, Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

Subject: Duane Arnold Energy Center  
Docket No: 50-331  
Op. License No: DPR-49  
Transmittal of Supplementary Information  
Regarding the Reload License for Cycle 9:  
RTS-211A.

Reference: 1) R. McGaughy to H. Denton, "Technical  
Specification Change RTS-211: Reload  
License for Cycle 9," NG-86-3473,  
October 31, 1986.  
2) Safety Evaluation Report for  
Amendment #10 of GESTAR II.

File: A-117, J-60a, A-225

Dear Mr. Denton:

Attached is the clarifying information requested by your staff regarding the design of the fuel assemblies to be loaded into the DAEC for Cycle 9 operation.

We propose to use fuel assemblies of General Electric's (GE) GE8B design in Cycle 9 operation of DAEC. These fuel assembly types were designated "BD299A" and "BD303A" in our earlier reload license submittal (Ref. 1). Although the NRC has generically approved the GE8B design (Ref. 2), these particular bundle types are not yet included in an approved version of GE's Standard Application for Reactor Fuel (GESTAR-II, NEDE-24011-P-A) Licensing Topical Report. Therefore, the staff has requested that we submit bundle-specific information normally found in GESTAR-II, (attachment 1). Our original submittal documented the acceptable use of the BD299A and BD303A bundle types for Cycle 9 operation in the DAEC.

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The GE8B fuel design has improved thermal performance limits which depend upon the type of lattice in the fuel assembly, i.e. unique limits are assigned to individual lattices within each bundle rather than having a single set of limits applied to the entire bundle. The staff has also requested that licensees utilizing GE8B fuel with lattice-dependent limits submit a description of the location of each lattice type within the respective bundles and locate this information in a document which is readily accessible. Attachment 2 contains this information, which will be included in the DAEC loss-of-coolant accident analysis report for the GE8B fuel (NEDC-31310-P) which was submitted as part of Reference 1. The staff has indicated that that report is an acceptable location for this information.

The staff has also asked that the technical specifications identify the document where the lattice-dependent limits are stated. Attachment 3 contains a page from our referenced license amendment request (RTS-211), which has been amended to provide the requested information. This revised page from our earlier submittal has been reviewed by the DAEC Operations Committee and the DAEC Safety Committee. This change is administrative in nature and does not affect our original determination that no significant hazards consideration is involved.

As the required application fee of \$150 was included in our original submittal, no further payment is required at this time.

Please note that Attachments 1 and 2 to this letter contain information which GE customarily maintains in confidence and withholds from public disclosure and as such, has been handled and classified as proprietary to GE. Affidavits requesting that this information be withheld from public disclosure pursuant to 10 CFR 2.790(a)(4) have previously been submitted, (NEDE-24011-P-related material under the affidavit submitted with Amendment #18 to GESTAR-II and NEDE-31310-P-related material under the affidavit submitted with the reference 1 submittal). Non-proprietary versions of this material suitable for public disclosure are provided (Attachment 4).

A copy of this submittal is being forwarded to our appointed state official pursuant to the requirements of 10 CFR 50.91.

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This application is true and accurate to the best of my knowledge and belief.

IOWA ELECTRIC LIGHT AND POWER COMPANY

BY

Richard W. McGaughy  
Richard W. McGaughy  
Manager, Nuclear Division

Subscribed and sworn to Before Me on  
this 20th day of March, 1986.

Kathleen M. Furman  
Notary Public in and for the State of Iowa

RWM/RAB/pjv\*

Attachments: 1) Description of Fuel Bundle Designs BD299A and BD303A  
2) Lattice Definitions for Bundle Designs BD299A and BD303A  
3) Proposed Change RTS-211A including List of Affected Pages  
4) Non-proprietary version of Attachments 1 and 2

cc: R. Browning  
L. Liu  
L. Root  
R. Gilbert  
NRC Resident Office  
T. Houvenagle (UD) (attachments 3 & 4 only)

# PROPRIETARY INFORMATION

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