

UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
799 ROOSEVELT ROAD
GLEN ELLYN, ILLINOIS 60137

CENTRAL FILES

FEB 7 1977

Iowa Electric Light and Power
Company

Docket No. 50-331

ATTN: Mr. Duane Arnold
President

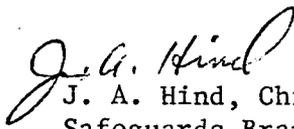
IE Towers
P. O. Box 351
Cedar Rapids, Iowa 52406

Gentlemen:

Thank you for the letter of January 26, 1977, from Messrs. Vest and Hannen of your staff informing us of the changes they have made to the isotopic calculation program to correct the uranium and plutonium isotope data generated by your computer. The changes are expected to eliminate apparent errors noted during our Safeguards inspection of June 24-25, 1976. We will examine your corrective action during a future inspection.

Your cooperation with us is appreciated.

Sincerely yours,


J. A. Hind, Chief
Safeguards Branch

cc: Don Vest, Reactor
Engineer
Rick Hannen, Reactor
Engineer
Mr. Ellery L. Hammond
Chief Engineer

cc w/ltr dtd 1/26/77:
Central Files
Reproduction Unit NRC 20b
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IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER
P. O. Box 351
Cedar Rapids, Iowa 52406
January 26, 1977
DAEC-77-67

Mr. Charles Peck
U. S. Nuclear Regulatory Comm.
799 Roosevelt Rd.
Glen Ellyn, Illinois 60137

Subject: Plutonium and Uranium isotopes as reported on NRC
Form 742.
Ref: Letter to Mr. C. Peck dated 10/19/76 - DAEC-76-331
File: A118a

Dear Mr. Peck:

We have reloaded the exposure void fraction array and the exposure array in the process computer with data supplied us by General Electric at San Jose. This data was generated by their General Electric BWR three dimensional simulator code.

We ran an isotopic calculation program, OD12, before and after the new data was loaded. The amount of total Plutonium and Uranium 235 calculated by OD12 changed in the correct direction and by the correct order of magnitude after the new data was loaded.

We are confident that the isotope amounts are now being calculated correctly.

Personnel at G.E., San Jose, are presently generating the correct data for the end of cycle IB so that we can get a correct calculation of isotopes in fuel bundles that were discharged to the spent fuel pool at that time. We anticipate having the correct data prior to our next isotopic reporting date.

Sincerely,

Don Vest

Don Vest
Reactor Engineer

Rick Hansen

Rick Hansen
Reactor Engineer

DV:RH:ah

cc: R. Allen - General Electric
DR. W. Nodean - Iowa Electric

JAN 31 1977