

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER

TO:
Mr. George Lear

FROM:
Iowa Electric Light & Power Co.
Cedar Rapids, Iowa
Lee Liu

DATE OF DOCUMENT
1/4/77

DATE RECEIVED
1/10/77

LETTER
 ORIGINAL
 COPY

NOTORIZED
 UNCLASSIFIED

PROP INPUT FORM

NUMBER OF COPIES RECEIVED
One signed

DESCRIPTION

Ltr. notorized 1/5/77....re our 11/24/76 ltr. and G.E.'s 12/22/76 ltr....concerning effects of increased fission gas releases on the safety analysis.

(1-P)

PLANT NAME:

Duane Arnold

ENCLOSURE

ACKNOWLEDGED

DO NOT REMOVE

SAFETY

FOR ACTION/INFORMATION

ENVIRO

1/12/77

RJL

<input checked="" type="checkbox"/> ASSIGNED AD:	Goller	<input checked="" type="checkbox"/> ASSIGNED AD:	
<input checked="" type="checkbox"/> BRANCH CHIEF:	Lear	<input checked="" type="checkbox"/> BRANCH CHIEF:	
<input checked="" type="checkbox"/> PROJECT MANAGER:	Shea	<input checked="" type="checkbox"/> PROJECT MANAGER:	
<input checked="" type="checkbox"/> LIC. ASST. :	Parrish	<input checked="" type="checkbox"/> LIC. ASST. :	

INTERNAL DISTRIBUTION

REG FILE	SYSTEMS SAFETY	PLANT SYSTEMS	SITE SAFETY &
<input checked="" type="checkbox"/> NRC PDR	HEINEMAN	TEDESCO	ENVIRO ANALYSIS
<input checked="" type="checkbox"/> I & E (2)	SCHROEDER	BENAROYA	DENTON & MULLER
<input checked="" type="checkbox"/> OELD		LAINAS	
<input checked="" type="checkbox"/> GOSSICK & STAFF	ENGINEERING	IPPOLITO	ENVIRO TECH.
MIPC	MACARRY	KIRKWOOD	ERNST
CASE	KNIGHT		BALLARD
HANAUER	SIHWEIL	OPERATING REACTORS	SPANGLER
HARLESS	PAWLICKI	STELLO	
			SITE TECH.
PROJECT MANAGEMENT	REACTOR SAFETY	OPERATING TECH.	GAMMILL
BOYD	ROSS	EISENHUT (2)	STEPP
P. COLLINS	NOVAK	SHAO	HULMAN
HOUSTON	ROSZTOCZY	BAER (2)	
PETERSON	CHECK	BUTLER	SITE ANALYSIS
MELTZ	R. Meyer	GRIMES	VOLLMER
HELTEMES	AT & I	F. COFFMAN	BUNCH
SKOVHOLT	SALTZMAN	J. GUIBERT	J. COLLINS
	RUTBERG		KREGER

EXTERNAL DISTRIBUTION

CONTROL NUMBER

<input checked="" type="checkbox"/> LPDR: Cedar Rapids, Iowa	NAT. LAB:	BROOKHAVEN NAT. LAB.
<input checked="" type="checkbox"/> TIC:	REG V.IE	ULRIKSON (ORNL)
<input checked="" type="checkbox"/> NSIC:	LA PDR	
ASLB:	CONSULTANTS:	
<input checked="" type="checkbox"/> ACRS/6 CYS HOLDING SENT:	Car. B. (1/12/77)	

275

[Handwritten signature]

50-331

IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office

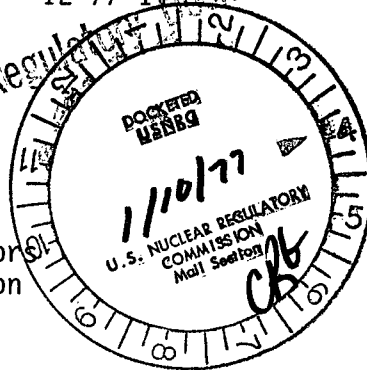
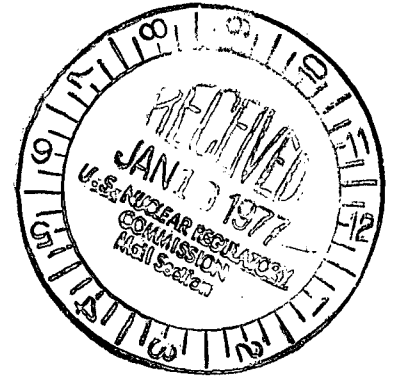
CEDAR RAPIDS, IOWA

January 4, 1977

IE-77-14

LEE LIU
VICE PRESIDENT - ENGINEERING

Regulatory File



Mr. George Lear, Chief
Operating Reactors Branch 3
Division of Operating Reactors
Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Lear:

Your letter of November 24, 1976 requested information concerning the effects of increased fission gas releases on the safety analysis for the Duane Arnold Energy Center (DAEC).

General Electric has responded generically in their December 22, 1976 letter from G. G. Sherwood to D. F. Ross on this subject. We have reviewed the GE response and have determined that the bounding analysis is applicable to the DAEC, and request that it be made an official part of our docket.

Question a) of your letter requested the date on which any fuel rod in the DAEC will reach a local exposure of 20,000 megawatt-days per metric ton or uranium (MWD/tu). Calculations indicate that peak pellet exposure has passed this exposure. Nodal exposure of greater than 20,000 MWD/tu is not expected until after June 1, 1977.

Three signed originals and 40 copies of this letter are transmitted herewith. This letter is true and accurate to the best of my knowledge and belief.

Iowa Electric Light and Power Company

By: Lee Liu
Lee Liu
Vice President, Engineering

LL/KAM/ms

- cc: K. Meyer
- D. Arnold
- R. Lowenstein
- J. Shea (NRC)
- L. Root
- File A-107 & A-225

Subscribed and Sworn to before me on this 5th day of January, 1977.

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