

April 16, 1992

Docket No. 50-331

Mr. Lee Liu  
Chairman of the Board and  
Chief Executive Officer  
Iowa Electric Light and Power Company  
P. O. Box 351  
Cedar Rapids, Iowa 52406

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Dear Mr. Liu:

SUBJECT: CORRECTION TO AMENDMENT NO. 182 TO FACILITY OPERATING  
LICENSE NO. DRP-49 (TAC NO. M81729)

On March 11 and March 24, the Commission issued Amendment Nos. 181 and 182, respectively, for the Duane Arnold Energy Center in response to your applications dated September 20, 1991 and August 30, 1991, respectively.

Technical Specification page 3.2-39 was affected by both Amendments 181 and 182. Inadvertently, when Amendment 182 was issued, it deleted the change made by Amendment 181.

Enclosed is a corrected page 3.2-39 reflecting the changes made by both amendments.

Please accept our apologies for the inconvenience this administrative error has caused you.

Sincerely,

Original Signed By:

Clyde Y. Shiraki, Sr. Project Manager  
Project Directorate III-3  
Division of Reactor Projects III/IV/V  
Office of Nuclear Reactor Regulation

Enclosure:  
As stated

cc w/enclosure:  
See next page

LA:PDIII-3  
PKreutzer  
4/16/92

PM:PDIII-3  
CShiraki:sw  
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CP-1



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555

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Sincerely,

A handwritten signature in cursive script, appearing to read "C. Y. Shiraki, Sr.", written in dark ink.

Clyde Y. Shiraki, Sr. Project Manager  
Project Directorate III-3  
Division of Reactor Projects III/IV/V  
Office of Nuclear Reactor Regulation

Enclosure:  
As stated

cc w/enclosure:  
See next page

Mr. Lee Liu  
Iowa Electric Light and Power Company

Duane Arnold Energy Center

cc:

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Kathleen H. Shea, Esquire  
Newman and Holtzinger  
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U.S. Nuclear Regulatory Commission  
Resident Inspector's Office  
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Palo, Iowa 52324

Regional Administrator, Region III  
U.S. Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

Mr. Stephen N. Brown  
Utilities Division  
Iowa Department of Commerce  
Lucas Office Building, 5th Floor  
Des Moines, Iowa 50319

## DAEC-1

Temperature monitoring instrumentation is provided in the main steam line tunnel and turbine building to detect leaks in this area. Trips are provided on this instrumentation and when exceeded, cause closure of isolation valves. The setting is 200°F for the main steam line tunnel detector. For large breaks, the high steam flow instrumentation is a backup to the temperature instrumentation.

High radiation monitors in the main steam line tunnel have been provided to detect gross fuel failure as in the control rod drop accident. A trip setting of 3 times normal full-power background is established to close the main steam line drain valves, recirculation loop sample valves, and trip the Mechanical Vacuum Pump. For changes in the Hydrogen Water Chemistry hydrogen injection rate, the trip setpoint may be adjusted based on a calculated value of the radiation level expected. Hydrogen addition will result in an increase in the nitrogen (N-16) activity in the steam due to increased N-16 carryover in the main steam. Reference Subsection 15.4.7 of the Updated FSAR.

Pressure instrumentation is provided to close the main steam isolation valves in RUN Mode when the main steam line pressure drops below 850 psig. The Reactor Pressure Vessel thermal transient due to an inadvertent opening of the turbine bypass valves when not in the RUN Mode is less severe than the loss of feedwater analyzed in Subsection 15.6.3 of the Updated FSAR, therefore, closure of the Main Steam Isolation valves for thermal transient protection when not in RUN Mode is not required.