

February 25, 2000

Mr. Eliot Protsch  
President  
IES Utilities Inc.  
200 First Street, SE  
P.O. Box 351  
Cedar Rapids, IA 52406-0351

SUBJECT: DUANE ARNOLD ENERGY CENTER - REQUEST FOR ADDITIONAL  
INFORMATION (RAI) ON TECHNICAL SPECIFICATION CHANGE REQUEST  
REGARDING THE HIGH-PRESSURE COOLANT INJECTION SYSTEM AND  
REACTOR CORE ISOLATION COOLING SYSTEM ISOLATION MANUAL  
INITIATION INSTRUMENTATION (TAC NO. MA5013)

Dear Mr. Protsch:

In a letter dated February 18, 1999, as supplemented September 15, 1999, IES Utilities (the licensee) submitted a request to revise the Duane Arnold Energy Center (DAEC) Technical Specifications (TSs) to remove the manual initiation function of the high-pressure coolant injection (HPCI) and reactor core isolation cooling (RCIC) systems isolation instrumentation from TS Table 3.3.6.1-1.

The NRC staff has reviewed the licensee's submittal regarding the HPCI/RCIC manual initiation TS requirements for DAEC, and additional information is necessary to complete our review.

We would appreciate a response by March 17, 2000. This RAI and the schedule have been discussed with Kenneth Putnam of your staff. If you have any questions regarding this issue, please contact me at your earliest convenience at 301-415-2020.

Sincerely,

*/RA/*

Brenda L. Mozafari, Project Manager, Section 1  
Project Directorate III  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. 50-331

Enclosure: Request for Additional Information

cc w/encl: See next page

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Duane Arnold Energy Center

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REQUEST FOR ADDITIONAL INFORMATION  
REGARDING REMOVAL OF MANUAL ISOLATION FUNCTION  
REQUIREMENTS FOR THE HIGH-PRESSURE COOLANT INJECTION AND  
REACTOR CORE ISOLATION COOLING ISOLATION SYSTEMS  
FOR THE DUANE ARNOLD ENERGY CENTER  
DOCKET NO. 50-331

You have proposed the deletion of the manual initiation function of the high-pressure coolant injection (HPCI) and reactor core isolation cooling (RCIC) isolation from Technical Specification (TS) Table 3.3.6.1-1. This refers to the capability to isolate (close) containment isolation valves (CIVs) in the HPCI and RCIC systems by manual operation of certain switches in the main control room.

1. Typically, power-operated CIVs can be individually opened and closed by the manual operation of their control switches in the main control room. Clarify whether the switches addressed by your proposed TS change are these typical switches or whether they are additional switches.
2. If they are additional switches, describe their purpose and function. In particular:
  - A. Describe whether they open and close the CIVs or just close them.
  - B. Describe whether they operate momentarily or “seal in”; that is, when a switch is released, whether the CIV returns to its previous position or stays in its new position, and whether this varies depending on other conditions, such as the presence or absence of an HPCI or RCIC system actuation signal.
3. If the subject switches are additional to the typical control switches, describe whether the CIVs can be closed by the *typical* switches when a HPCI or RCIC system actuation signal is present, and whether this closure would be momentary or “sealed in.”
4. Describe what happens to the CIVs should they receive an automatic closure signal from the control system (e.g., on low steam pressure, indicating a broken steam line) after the HPCI or RCIC system is activated.

ENCLOSURE