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# IOWA ELECTRIC LIGHT AND POWER COMPANY

*General Office*

**CEDAR RAPIDS, IOWA**

May 21, 1979

**JAMES A. WALLACE**  
VICE PRESIDENT - GENERATION

Mr. James G. Keppler, Director  
Office of Inspection and Enforcement  
Region III  
U. S. Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, IL 60137

Re: Duane Arnold Energy Center  
Subject: Response to Bulletin 79-08  
Reference: Letter dated April 27, 1979  
J. Wallace to J. Keppler  
File: A-101a

Dear Mr. Keppler:

The referenced letter contained a minor technical error with reference to re-initiation of the RCIC system subsequent to a high reactor water level shutdown. The error has been corrected on the attached revision to page 2 of the response to item No. 4. Please insert the revised page in the previously submitted response.

We apologize for any inconvenience caused by this error.

Very truly yours,

*J. A. Wallace*  
J. A. Wallace  
Vice President-Generation

JAW/DLW/n

cc: U. S. Nuclear Regulatory Commission  
Office of Inspection and Enforcement  
Division of Reactor Operations Inspection  
Washington, D. C. 20555

MAY 25 1979

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4. (Cont.)

The safety-related systems or functions served by safety-related reactor water level instrumentation are:

- Reactor Core Isolation Coolant System (RCIC)
- High Pressure Coolant Injection System (HPCI)
- Core Spray System (CS)
- Residual Heat Removal/Low Pressure Coolant Injection (RHR/LPCI)
- Automatic Depressurization System (ADS)
- Primary Containment Isolation System (PCIS)

All systems automatically initiate on low reactor water level. In addition, the RCIC and HPCI systems shutdown on high reactor vessel water level. In all cases, except the RCIC system which must be manually reset, these systems automatically restart if low reactor level is again reached.

Some of the instrumentation which the operator can use to determine changes in reactor coolant inventory or other abnormal conditions are:

- Drywell High Pressure
- Drywell High Radioactivity Levels
- Suppression Pool High Temperature
- Safety Relief Valve (SRV) Discharge High Temperature
- Safety Relieve Valve (SRV) Actuation Alarm
- High Feedwater Flow Rates
- High Main Steam Flow
- High Containment and Equipment Area Temperatures
- High Differential Flow-Reactor Water Cleanup System
- Abnormal Reactor Pressure
- High Suppression Pool Water Level
- High Drywell and Containment Sump Fill and Pumpout Rate
- Valve Stem Leakoff High Temperature