

JUL 28 1982

Docket No. 50-331

Mr. Duane Arnold, President
Iowa Electric Light & Power Company
P. O. Box 351
Cedar Rapids, Iowa 52406

Dear Mr. Arnold:

SUBJECT: REACTOR PROTECTION SYSTEM (RPS) POWER MONITORING SYSTEM DESIGN
MODIFICATION

Re: Duane Arnold Energy Center

In our September 2, 1981 letter on this subject model Technical Specifications for electric power monitoring of the RPS were included for your consideration. The enclosure to this letter contains a revised version of the model Technical Specifications which is less restrictive in some of the requirements than the earlier version.

Sincerely,

Original signed by
D. B. Vassallo

Domenic B. Vassallo, Chief
Operating Reactors Branch #2
Division of Licensing

Enclosure:
As stated

cc w/enclosure:
See next page

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DATE	7/27/82	7/27/82	7/27/82	7/27/82		

Mr. Duane Arnold
Iowa Electric Light & Power Company - -

cc:

Mr. Robert Lowenstein, Esquire
Harold F. Reis, Esquire
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799 Roosevelt Road
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ELECTRICAL POWER SYSTEMS

REACTOR PROTECTION SYSTEM ELECTRIC POWER MONITORING

LIMITING CONDITION FOR OPERATION

3.8.4.4 Two RPS electric power monitoring channels for each inservice RPS MG set or alternate source shall be OPERABLE.

APPLICABILITY: At all times.

ACTION:

- a. With one RPS electric power monitoring channel for an inservice RPS MG set or alternate power supply inoperable, restore the inoperable channel to OPERABLE status within 72 hours or remove the associated RPS MG set or alternate power supply from service.
- b. With both RPS electric power monitoring channels for an inservice RPS MG set or alternate power supply inoperable, restore at least one to OPERABLE status within 30 minutes or remove the associated RPS MG set or alternate power supply from service.

SURVEILLANCE REQUIREMENTS

4.8.4.4 The above specified RPS power monitoring system instrumentation shall be determined OPERABLE:

- a. At least once per 6 months by performance of a CHANNEL FUNCTIONAL TEST, and
- b. At least once per 18 months by demonstrating the OPERABILITY of over-voltage, under-voltage and under-frequency protective instrumentation by performance of a CHANNEL CALIBRATION including simulated automatic actuation of the protective relays, tripping logic and output circuit breakers and verifying the following setpoints:
 1. Over-voltage $\leq$ (132) VAC,
 2. Under-voltage $\geq$ (108) VAC, and
 3. Under-frequency $\geq$ (57) Hz.