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 FACIL: 50-331 Duane Arnold Energy Center, Iowa Electric Light & Pow 05000331  
 AUTH. NAME AUTHOR AFFILIATION  
 MCGAUGHY, R. W. Iowa Electric Light & Power Co.  
 RECIP. NAME RECIPIENT AFFILIATION  
 DENTON, H. R. Office of Nuclear Reactor Regulation, Director (post 851125)

SUBJECT: Notifies that completion date for "Motor-Operated Valve Program (IEB 85-003); Bulletin Item b Program" listed in Schedule B must be changed from 861230 to "prior to Cycle 9 startup," per evaluation of IE Info Notice 86-093.

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Iowa Electric Light and Power Company

December 22, 1986  
NG-86-4410

Mr. Harold Denton, Director  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

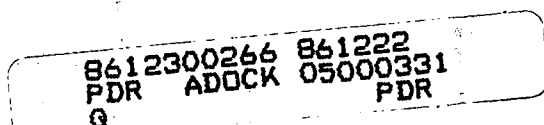
Subject: Duane Arnold Energy Center  
Docket No: 50-331  
Op. License No: DPR-49  
Integrated Plan Schedule B Change  
Reference: 1) Letter, R. McGaughy to J. Keppler,  
"Preliminary Response to IE Bulletin  
85-03, Item e, "NG-86-1475, May 28,  
1986.  
2) Letter, R. McGaughy to J. Keppler,  
"Supplemental Response to IE Bulletin  
85-02", NG-86-3044, October 1, 1986

File: A-278, A-101a

Dear Mr. Denton:

This letter provides the NRC with written notification of a change in Schedule B, as required by Section V.B of the "Plan for the Integrated Scheduling of Plant Modifications for the Duane Arnold Energy Center" (Integrated Plan). Your staff was advised orally on December 11, 1986 of this change.

Iowa Electric Light and Power Company (IELP) has determined that the completion date for the "Motor Operated Valve Program (IEB 85-03); Bulletin Item b Program" listed in Schedule B must be changed. This change is necessary in light of our recent evaluation of Information Notice 86-93. That Notice advises utilities of potentially significant safety problems which had been discovered while performing the evaluations requested by IE Bulletin 85-03, "Motor-Operated Valve Common Mode Failures During Plant Transients Due to Improper Switch Settings," (IEB 85-03). In particular, Information Notice 86-93 reported that the vendor of the pertinent valve actuators had stated "whenever the factory torque switch setting is changed in the field, an individual calibration curve or a bench test is required to accurately determine torque output."



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December 22, 1986  
NG-86-4410  
Page 2

Although the HPCI and RCIC valves at the Duane Arnold Energy Center are not operated by the Rotork valve actuators which are discussed in Information Notice 86-93, this notice was included in our engineering evaluation of methodologies for calculating and setting switch setpoints (Reference 2, Item b Response). Based on our evaluation we have determined that we should revise the scope of our item b program to include the recommendations of Information Notice 86-93.

Actual measurement of the torque developed by each operator vs. the torque switch setting/spring-pack displacement is essential to completing our Bulletin Item b program. This will be performed during our next refueling outage (Spring 1987) using a diagnostic technique to determine individual valve calibration curves. Those valve calibration curves will then be used to establish correct switch settings and methods for selection and setting all switches for each valve operation. This requires changing the completion date for the "Bulletin Item b Program" from December 30, 1986 to "Prior to cycle 9 startup".

This schedule change will be incorporated into our next semi-annual update of the Integrated Plan schedules. Should you have any questions please feel free to contact our office.

Very truly yours,



Richard W. McGaughy  
Manager, Nuclear Division

RWM/EFB/pjv\*

Attachment:

cc: E. Borton  
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NRC Resident Office  
Commitment Control No. 860214