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TO: '		FROM:	.			DATE OF DOCUMENT		
		Iowa Elec. Light & Pwr. Co. Cedar Rapids, Iowa				8/24/77		
Mr. James G. Keppler		Ellery L. Hammond				DATE RECEIVED 9/6/77		
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IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER P. O. Box 351 Cedar Rapids, Iowa 52406

August 24, 1977 DAEC -77 - 435

Regulatory

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



RO 76-66

Subject:	Licensee	Event	Report	No.	UPDATE	REPORT	Previous
	(14 day)				Report		

File: A-118a

Dear Mr. Keppler:

In accordance with Appendix A to Operating License DPR-49, Technical Specifications and Bases for Duane Arnold Energy Center and Regulatory Guide 10.1, please find attached a copy of the subject Licensee Event Report. (Total of 3 copies transmitted)

Very truly yours,

Cleme I.

Ellery L. Hammond Chief Engineer Duane Arnold Energy Center

Docket 50-331

attachment

ELH/DLW/mg

cc: Director, Office of Inspection and Enforcement (40) U. S. Nuclear Regulatory Commission Washington, D.C. 20555

Director, Management Information and Program Control (3) U. S. Nuclear Regulatory Commission Washington, D.C. 20555

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07	SYSTEM CODE CAUSE COMPONENT CODE COMPONENT COMPONENT SUPPLIER COMPONENT MANUFACTURER VIOLATION I	80
08	CAUSE OESCRIPTION Motor operated valves were not adequately adjusted following initial	1
7 e	8 9	80
7		80
	B 9 FACILITY METHOD DF STATUS % POWER OTHER STATUS OISCOVERY DISCOVERY DESCRIPTION	80
7 8	9 10 12 13 44 45 46 FDRM OF ACTIVITY CONTENT	80
12 7 8	RELEASED OF RELEASE AMOUNT OF ACTIVITY	
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18	ADDITIONAL FACTORS	ı
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	NAME:D. Wilson PHONE: 319-851-5611	80
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DUANE ARNOLD ENERGY CENTER

Iowa Electric Light and Power Company

LICENSEE EVENT REPORT-Supplemental Data

Licensee Event Report Date: 082277

Reportable Occurrence No: 76-66

Corrective Action

During its first year of operation, repetitive problems were experienced with the MSIV Leakage Control System involving inoperable and leaking motor operated valves. As a result of the problems, a comprehensive design function and the overall capability of the leakage control system to perform its intended function.

The design review determined that all MOV's in the leakage control system are capable of fulfilling the requirements specified by initial system design. The problems experienced with the MOV's during the first year of operation apparently were the result of inadequate adjustments during initial system testing. The "SB" type operators installed on the MOV's in the leakage control systems were the first ones used at this facility and no operating experience was available to determine optimum operator adjustments.

In addition to verifying adequacy of the motor operators, the design review verified that the overall MSIV-leakage control system as designed and installed is capable of performing its intended function.

Although the design adequacy of the leakage control system was verified during the design review, several recommendations resulted which are possible sources of improvement in system reliability. The recommendations are now being evaluated and will be implemented as deemed appropriate. One of the recommendations under evaluation is provision for a method of draining prior to system startup or initiation. Plant personnel are also evaluating the possibility of including the safety related valve operators in the plant preventive maintenance program.

During the 1977 refuel outage, all of the MSIV leakage control system motor operated valves were disassembled, inspected and reworked as appropriate. No significant problems have been experienced with the valves since completion of the rework.

RECEIVED DOCUMENT PROCESSING UNIT

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