NRC FORM 366
(7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

CONTROL BLOCK: (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

(2) LICENSEE CODE: IADAC1 | (3) LICENSE NUMBER: 00-00000-00 | (4) LICENSE TYPE: 4 | (5) CAT: |

CON'T

REPORT SOURCE: L (6) | 05000331 (7) DOCKET NUMBER | EVENT DATE: 11 18 81 (8) | REPORT DATE: 12 02 81 (9)

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

During normal operation, ops personnel attempted to cycle Rx Water Cleanu
p System (RWCU) return isolation valve MOV-2740. No flow change occurred
during vlv. cycling. Valve indicated closed with a 70 gpm flow thru the R
WCUs. The valves isolation function was therefore compromised. Tech Spec
3.7.D lists the operability reqmts. for this valve. The RWCUs was isola
ted pending valve repair. MOV-2740 was returned to service within 3 hours
. One similar non-reportable event in which MOV-2740 would not open.

SYSTEM CODE (11)	CAUSE CODE (12)	CAUSE SUBCODE (13)	COMPONENT CODE (14)	COMP. SUBCODE (15)	VALVE SUBCODE (16)
CG	E	B	VALVEX	F	D

(17) LER/RO REPORT NUMBER: EVENT YEAR 81 — SEQUENTIAL REPORT NO. 040 / OCCURRENCE CODE 01 — REPORT TYPE T — REVISION NO. 0

ACTION TAKEN (18)	FUTURE ACTION (19)	EFFECT ON PLANT (20)	SHUTDOWN METHOD (21)	HOURS (22)	ATTACHMENT SUBMITTED (23)	NPRO-4 FORM SUB. (24)	PRIME COMP. SUPPLIER (25)	COMPONENT MANUFACTURER (26)
B	Z	Z	Z	0000	Y	N	A	A395

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

The valve stem clamp setscrew became loose and the clamp key dropped out
. The stem then rotated when the motor operator was cycled without moving
the vlv. disc. The key was reinstalled and the stem clamp restored to ori
ginal config. MOV-2740 limit switches reset. The vlv. was cycled-found sa
t. MOV-2740 is a 4 in. Anchor globe vlv. Design Review to be initiated.

FACILITY STATUS (28): E — % POWER (29): 066 — OTHER STATUS (30): NA — METHOD OF DISCOVERY (31): A — DISCOVERY DESCRIPTION (32): Operator Observation

ACTIVITY RELEASED (33): Z — CONTENT OF RELEASE (34): Z — AMOUNT OF ACTIVITY (35): NA — LOCATION OF RELEASE (36): NA

PERSONNEL EXPOSURES — NUMBER: 000 (37) — TYPE (38): Z — DESCRIPTION (39): NA

PERSONNEL INJURIES — NUMBER: 000 (40) — DESCRIPTION (41): NA

LOSS OF OR DAMAGE TO FACILITY (43) — TYPE (42): Z — DESCRIPTION: NA

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PDR ADOCK 05000331
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PUBLICITY — ISSUED (44): N — DESCRIPTION (45): NA

NRC USE ONLY

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DUANE ARNOLD ENERGY CENTER

Iowa Electric Light and Power Company

Licensee Event Report - Supplemental Data

Docket No. 050-0331

Licensee Event Report Date: 81-040

Reportable Occurrence No: 12-2-81

Event Description

During normal power operation, operations personnel attempted to cycle reactor water cleanup (RWCU) system return isolation valve MOV-2740. It was found that no flow changes occurred in response to the valve being cycled. The valve indicated closed with a flow of 70 gpm thru the RWCU system. This condition resulted in the isolation function of the valve being compromised. Technical Specification 3.7.D lists the operabiity requirements for this valve. The RWCU System was isolated and MOV 2740 closed manually pending repairs to the valve. MOV 2740 was repaired and returned to service within 3 hours. There has been one similar but non-reportable occurrence in which MOV-2740 would not open.

Cause Description

An investigation revealed that the valve stem clamp setscrew had become loose, allowing the clamp key to drop out. The stem was then able to freely rotate whenever the motor operator was cycled resulting in no valve disc movement.

Corrective Action

The key was reinstalled and the stem clamp restored to its original configuration. The limit switches of MOV-2740 were reset. The valve was cycled and found to be operating properly. MOV-2740 is a 4 inch Anchor globe valve. A Design Review will be initiated. As an interim measure the number of valves of similar design in the plant will be identified and a representative sample of valves will be inspected to determine if a potential generic problem exists. Additional near term corrective action will be initiated if this sampling program identifies similar problems in other valves.