LICENSEE EVENT REPORT

	CONTROL BLOCK:
0 1	LILQADIO 0 0 0 - 0 0 0 - 0 0 0 4 1 1 1 1 1 0 0
CONT	9 LICENSEE CODE 14 15 LICENSE NUMBER 25 78 LICENSE TYPE JO 57 CAT 58 REPORT L 6 0 5 0 0 0 2 5 4 7 0 5 2 5 7 3 8 0 6 2 0 7 9 9
7 8	60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80 EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10
0 2	During a Unit One condenser maintenance outage, the quarterly MSIV closure timing
0 3	surveillance (QOS 250-4) was performed. While performing the test, main steam
0 4	isolation valve (MSIV) AO 1-203-20 closed in 6 seconds. This time exceeds the
0 5	maximum closure time of 5 seconds for any MSIV as stated in T.S. Table 3.7-1. The
0 6	seven remaining MSIVs were tested satisfactorily.
0 7	
C 8 7 8	9
0 9	SYSTEM CAUSE CODE SUBCODE COMPONENT CODE SUBCODE SUBCO
, ,	SEQUENTIAL OCCURRENCE REPORT NO.
	NUMBER 21 22 23 24 26 27 28 29 30 31 32 ACTION FUTURE EFFECT SHUTDOWN HOURS (22) ATTACHMENT NPH. SUPPLIER MANUFACTURER
	E 3 Z 9 Z 20 D D D Y 23 N 20 N 25 F 1 5 8 26
	CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)
1 0	The speed control valve adjustment on the hydraulic control cylinder had varied, thus
1 1	slowing down the valve travel time. The speed control valve was adjusted to speed up
12	the valve closure time. The valve was exercised three times and closed in 3.8 seconds.
[1]3]	
1 4	9 80
	FACILITY SPOWER OTHER STATUS 30 METHOD OF DISCOVERY DESCRIPTION 32 G 28 0 0 0 (29) NA B (31) Routine Test
3	9 10 12 13 44 45 46 80 ACTIVITY CONTENT AMOUNT OF ACTIVITY (35) LOCATION OF RELEASE (36)
1 6	Z 33 Z 33 NA
1.7	NUMBER TYPE DESCRIPTION (39) 0 0 37 Z 38 NA
7 9	9 PERSONNEL INJURIES 13 NUMBER DESCRIPTION (41) 0 0 0 0 M
	Coss of OR DAMAGE TO FACILITY (3) TYPE DESCRIPTION NA 274
	PUBLICITY NAC USE ONLY NAC USE O
7 8	9 10 68 69 80-5
	NAME OF OPPOSITE D. Clark OFFICE 309-654- 2241 Ext 172 3

1. LER Number LER/RO 79-20/03L-0

II. LICENSEE NAME COMMONWELLTH EDISON COMPANY

QUAD-CITIES NUCLEAR POWER STATION

III. FACILITY NAME UNIT ONE

IV. DOCKET NUMBER 050-254

V. EVENT DESCRIPTION

On May 25, 1979, during a Unit One condenser maintenance outage, the quarterly MSIV closure timing surveillance (QOS 250-4) was performed. While performing the test, main steam isolation valve (MSIV) A0-1-203-20 closed in 6 seconds. This time exceeds the maximum closure time of 5 seconds for any MSIV as stated in Technical Specification Table 3.7-1. The seven remaining MSIVs were tested satisfactorily. The 2C MSIV will be retimed prior to unit Startup.

There have been two similar occurrences in which a MSIV "ailed to close in less than 5 seconds; the most recent of which is reported in LER/RO 50-254/77-6.

VI. PROBABLE CONSEQUENCES OF THE OCCURRENCE

The main steam isolation valves are required to close in less than five seconds to preven fuel rod rupture in the event of a steam line break outside the containment. The 2C valve is the outboard primary containment isolation valve in the "C" steam line. The IC inboard valve closed in 4.9 seconds, which is within the required closure time. The inboard MSIV would have performed as designed to isolate the steam line in less than 5 seconds. Since the redundant valve was operating properly, safe reactor operation was not affected as a result of this occurrence.

CAUSE VII.

The cause of this occurrence is designated as equipment failure. The speed control valve adjustment on the hydraulic control cylinder had varied, thus slowing down the valve travel time. The control valve is a needle valve that regulates the speed of the hydraulic oil flowing from the bottom to the top of the piston. The piston is attached to the stem of the MSIV to regulate the travel speed of the valve stem.

The speed control unit is manufactured by Flick-Reedy Corp., Drawing No. File 4536.

VIII. CORRECTIVE ACTION

The speed control valve was adjusted to speed up the valve closure time. The valve was exercised three times and closed in 3.8 seconds. This corrective action was deemed adequate to prevent reoccurrence.