N FOR	M 366 U. S. NUCLEAR REGULATORY COMMISSION
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CON'T 0 1+ 7 8	REPORT SOURCE LL 6 0 5 0 - 10 3 2 4 0 0 7 1 8 8 1 8 0 8 1 0 8 1 0 8 1 0 60 EVENT DATE 74 75 REPORT DATE 80
0 2	Following a planned reactor shutdown while attempting to place RHR shutdown cooling
03	Linto service, the RHR shutdown cooling supply inbor 1 isolation valve, 2-Ell-F009,
04	would not open from the RTGB. The valve was manually opened, RHR shutdown cooling
06	was placed into service and the plant was placed in cold shutdown within 8 hours. A
06	similar event involving this valve was reported in LER 2-81-19 on 3-16-81. This
07	event did not affect the health and safety of the public.
08	Technical Specifications 3.6.3, 6.9.1.9b
09 78	SYSTEM CAUSE CAUSE CAUSE COMPONENT CODE SUBCODE SUBCODE COMPONENT CODE SUBCODE
_	$\begin{array}{c c c c c c c c c c c c c c c c c c c $
10	A loose fastening screw in the valve motor control center allowed one of the valve
11	motor's thermal overload protective devices to become loose, creating an overcurrent
12	condition on 2 phases of the motor which tripped the valve motor breaker. The screw
13	was properly tightened and the valve was stroked and returned to operation. This is
14	considered an isolated event and requires no further action.
15	FACILITY STATUS SPOWER OTHER STATUS 30 METHOD OF G 28 0 0 0 0 (29) NA A A OPERATION 32 Operational Event 30
1 6 7 8	CONTENT CONTEN
$\begin{bmatrix} 1 & 7 \\ 7 & 8 \end{bmatrix}$	PERSONNEL LXPOSUREJ NUMBER 0 0 0 37 Z 38 DESCRIPTION (39) NA NA 80
1	PERSONNEL MURIES NUMBER DESCRIPTION (4) NA
7 8	9 11 12 -OSS OF OR DAMAGE TO FACILITY (43) TYPE DESCRIPTION
1 9	NA NA
20	PUBLICITY ISSUED DESCRIPTION 45 NA LITER LITER 45
8108	200264 B10B10 68 69 80.5
S	PDR RER M. J. Pas 7a, Jr. PHONE 919-457-9521

LER ATTACHMENT - RO #2-81-70

Facility: BSEP Unit No. 2

Event Date: 7-18-81

Following this event the F009 valve motor was meggared and bridged from the valve motor control center with the meggar readings satisfactory, but the bridge readings showing intermittent open motor windings. The valve motor was removed to determine the cause of the intermittent bridge readings. A test run of the valve motor in the plant shop test facility and bridge readings showed normal operation of the valve motor. Additional troubleshooting at the valve motor control center determined that one of three valve motor thermal overload protective devices was not making contact with its associated electrical cable due to a loose fastening screw in the valve motor breakers compartment.

From the findings of the alve motor control center troubleshooting, it has been determined that the F009 valve motor tripped due to a phase overcurrent condition on two of the valve motor's three electrical phases caused by the loose motor phase thermal overload device.

A check of plant documentation shows no history of similar events involving loose fastening screws in motor control centers; therefore, this event is considered to be isolated with no further corrective action required. Plant preventative maintenance procedure MI 10-2K currently requires an inspection of all similar motor control centers once every three years, and this procedure checks for screw tightness.