

A. Action Code FO#154  
 Name of Licensee and Facility Three Mile Island I  
 Docket No. or License No. 50-289  
 Title DB Breaker Problem  
 Origin Licensee Date Rec'd 8/27/73

B. FS&EB Branch Coordinator:  
 Bryan \_\_\_\_\_ Dreher X  
 Ellis \_\_\_\_\_ Paulus \_\_\_\_\_  
 Completion Requested by \_\_\_\_\_

C. Action Requested of:  
 ADREMP \_\_\_\_\_ M&PPOB \_\_\_\_\_ EPB \_\_\_\_\_ RPB \_\_\_\_\_ ADCO X  
 OB \_\_\_\_\_ CB \_\_\_\_\_ TAB X OOE \_\_\_\_\_ Region \_\_\_\_\_  
 Date Requested 8/29/73 Completion Requested by 9/29/73  
 Reference 8/27/73 Daily Report - Three Mile Island I

D. Action Requested

Please review the Three Mile Island I item in the 8/27/73 daily report for generic possibility continuation of the DB breaker problem (Report attached).

E. Date Action Completed \_\_\_\_\_

Close-out (Date & Method) \_\_\_\_\_

Comments: If completion date is not consistent with your work schedule, please let us know.

*Harold D. Thornburg*  
 Harold D. Thornburg, Chief  
 Field Support & Enforcement Branch  
 Regulatory Operations

cc: J. G. Davis, RO

1588 012

7911110 096

8/27/73

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: F. Dreher, RO:HQ  
: J. P. O'Reilly, RO:I

<u>Facility</u>	<u>Notification</u>	<u>Items or Event</u>	<u>Regional Action</u>
		being energized. Generic applicability is unknown at this time; however, we are pursuing this with the licensee and will keep you informed. The licensee will report this occurrence pursuant to 10 CFR 50.55(e).	
Peach Bottom 2 (DN 50-277)	Telephone - 8/25/73	The licensee informed RO:I that a Barton 288A level indicating switch (2-2-3-101-B) setpoint was found to have drifted during surveillance testing. This switch has the dual function of initiating a reactor scram at 0", and a feedwater trip at +48".	Follow-up next inspection.
	Telephone - 8/27/73	Fuel loading was completed at Peach Bottom 2 on August 26, 1973.	Follow-up - none.

Administration

A new employee, Jeanine Yupcavage, reported August 27, 1973 for duty as a typist (GRESS Unit).

1588 013

POOR ORIGINAL

Startup  
Three Mile Island 1  
(DN 50-289)

new employee, Joel Lubenau, reported August 27, 1973 for duty as a Radiation Specialist.  
Inspector on Site  
Telephone - 8/24/73

meeting at RO:HQ today on environmental technical specifications at that site. Several environmental data

During electrical testing of 480 VAC Circuit Breakers, numerous failures, of the diodes (W IN5404) across the close and trip coils have occurred. This failure does not prevent the breaker from reclosing following a trip condition. To protect vital equipment from RF noise, surge suppression diodes were installed across the trip coil, close coil, and antipump relay in numerous 480 VAC Circuit Breakers (W Models DB-25 and DB-50) located in various unit substations, of which 4 are engineered safety related. Westinghouse designed and supplied these diode assemblies in accordance with the AE's (GAI) Spec. The licensee believes the voltage rating of this diode (400V), which was determined by Westinghouse during laboratory testing, is too low for actual plant conditions. The licensee has initiated a 100% replacement program of these diodes with GE Thyrectors, Model GR 20AP10B2. We consider this problem to be a safety significant because for the loss of offsite power condition, or any condition causing a breaker trip, this failure would prevent ES equipment from

Follow-up by Region.

*prevent the busbars*

POOR ORIGINAL

1588 014

: F. Dreher, RO:HQ  
: J. P. O'Reilly, RO:I

Dreher

Facility

Notification

Items or Event

Regional Action

Operations

Maine Yankee  
(DN 50-309)

Telephone - 8/24/73  
and 8/27/73

Reactor trip without turbine trip - While in the process of shutting down the reactor to repair a minor charging line leak, a low flow reactor trip occurred at 15% power as a result of a 4160 volt bus losing voltage due to a breaker malfunction. Following the reactor trip, an operator noted the turbine and generator had not tripped and immediately manually initiated a turbine and generator trip. The licensee is evaluating the occurrence and will submit a 30 day report.

Construction

None

Plant Protection

A new employee, Sandra Cannon, reported August 27, 1973 for duty as secretary.

Radiological & Environmental Protection

Telephone - 8/26/73

On August 26, 1973 at 1500 hours, a truck carrying 4 spent iridium-192 sources from McGuire Nuclear Power Station to Technical Operations, Burlington, Massachusetts was involved in an accident in Bordentown, New Jersey. Reports from the New Jersey Bureau of Radiation Protection and from Technical Operations state that shipping containers appear intact, there were no personnel exposures, and there was no contamination. Region I will be notified of the condition of the sources upon receipt of Technical Operations.

1588 015

FS&EB ACTION CONTROL FORM

- A. Action Code FO-  
Name of License and Locality Three Mile Island 1  
Docket No. or License No. 50-289  
Title DB Breaker Problem  
Origin Licensee Date Rec'd 8-27-73
- B. FS&EB Branch Coordinator:  
Bryan \_\_\_\_\_ Dreher X  
Ellis \_\_\_\_\_ Paulus \_\_\_\_\_  
Completion Requested by \_\_\_\_\_
- C. Action Requested of:  
ADREMP \_\_\_\_\_ M&PPOB \_\_\_\_\_ EPB \_\_\_\_\_ RPB \_\_\_\_\_ ADCO X  
OB \_\_\_\_\_ CB \_\_\_\_\_ TAB X OOE \_\_\_\_\_ Region \_\_\_\_\_  
Date Requested 8-29-73 Completion Requested by 9-29-73  
Reference 8/27/73 Daily Report - Three Mile Island 1
- D. Action Requested Please review the Three Mile Island 1 item in the 8-27-73 daily report for generic possibility continuation of the DB breaker problem. (Report attached)
- E. Date Action Completed \_\_\_\_\_  
Close-out (Date & Method) \_\_\_\_\_  
Comments: If completion date is not consistent with your work schedule, please let us know. Please

Harold D. Thornburg, Chief  
Field Support & Enforcement Branch  
Regulatory Operations

cc: D. F. Knuth, RO

1588 016