

NORTHEAST UTILITIES



THE CONNECTICUT LIGHT AND POWER COMPANY
THE HARTFORD ELECTRIC LIGHT COMPANY
WESTERN MASSACHUSETTS ELECTRIC COMPANY
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NORTHEAST UTILITIES SERVICE COMPANY
NORTHEAST NUCLEAR SERVICE COMPANY

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July 21, 1980
MP-1-1569

Mr. Boyce H. Grier
Director, Region 1
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, Pennsylvania 19406

Reference: Provisional License DPR-21
Docket No. 50-245

Dear Mr. Grier:

This letter provides information requested by your office previously reported in our response to Bulletin 80-17. It is intended this information letter will provide additional detail of our test finding of item 2j of the subject bulletin.

The test of the time delay was performed utilizing the opposite side of a form 'C' contact that is actually used in the circuit. Both sides of the form 'C' contact are mechanically connected so that they both change state at the same time. An isolated power supply and an additional relay were connected to the opposite side of the form 'C' contact to trigger a timing device. During the manual scram test, because of an abnormal time delay, an investigation revealed a test connection wiring error. The wiring was corrected and the automatic scram results showed approximately seventeen seconds for each of the two time delay relays.

Further discussion revealed that a scram could be reset in less than seventeen seconds. A hand over hand wire check and an additional functional test of the circuit showed that the contacts that were to provide the time delay were bypassed with wiring. As a result, although the delay contact functioned themselves, they provided no time delay. Research showed that this circuit was added during the unit startup test program. Although control wiring diagrams and elementary diagrams were correct, the panel and wiring list were incorrect.

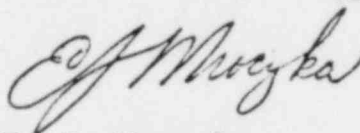
The wiring was corrected and the following functional test performed:

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The relay that energizes the time delay relay was actuated by hand (normally it is energized as the backup scram valves are energized). The scram reset selector switch was then actuated. The scram could not be reset for a period of approximately seventeen seconds. Thus proving that time delay feature functioned properly.

Very truly yours
Northeast Nuclear Energy Co.



E. J. Mroczka
Station Superintendent

EJM/RJH:fdd

cc: Director, Office of Management Information and Program Control ✓
J. Stetz
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