

NOV 16 1977

Docket No. 50-263 ✓

Docket No. 50-282

Docket No. 50-306

Northern States Power Company
 ATTN: Mr. Leo Wachter
 Vice President
 Power Production and System
 Operation
 414 Nicollet Mall
 Minneapolis, MN 55401

Gentlemen:

Enclosed is a supplement (IE Bulletin No. 77-05A) to IE Bulletin No. 77-05 which requires action by you with regard to your power reactor facilities with an operating license or a construction permit.

Should you have questions regarding this Bulletin or the actions required of you, please contact this office.

Sincerely,

James G. Keppler
 Director

Enclosures:

1. IE Bulletin No. 77-05A
2. IE List of Bulletins
 Issued in 1977

cc w/encls:

Mr. L. R. Eliason,
 Plant Manager
 Mr. F. P. Tierney, Jr.,
 Plant Manager
 Central Files
 Reproduction Unit NRC 20b
 PDR
 Local PDR
 NSIC
 TIC

OFFICE >	Anthony Roisman, Esq., Attorney	RIII	RIII
SURNAME >		Fiorelli/Is	Keppler
DATE >		11/16/77	

IE Bulletin 77-05A
November 16, 1977

LISTING OF IE BULLETINS
ISSUED IN 1977

Bulletin No.	Subject	Date Issued	Issued To
77-05	Electrical Connector Assemblies	11/8/77	All PWR Power Reactor Facilities with an Operating License (OL) or Construction Permit (CP)
77-04	Calculational Error Affecting the Design Performance of a System for Controlling pH of Containment Sump Water Following a LOCA	11/4/77	All PWR Power Reactor Facilities with an Operating License (OL) or Construction Permit (CP)
77-03	On-Line Testing of the W Solid State Protection System	9/12/77	All W Power Reactor Facilities with an Operating License (OL) or Construction Permit (CP)
77-02	Potential Failure Mechanism in Certain W AR Relays with Relays with Latch Attachments	9/12/77	All Holders of Operating Licenses (OL) or Construction Permits (CP)
77-01	Pneumatic Time Delay Set Point Drift	4/29/77	All Holders of Operating Licenses (OL) or Construction Permits (CP)

November 16, 1977
IE Bulletin 77-05A

ELECTRICAL CONNECTOR ASSEMBLIES

Description of Circumstances:

This Bulletin is a supplement to IE Bulletin 77-05, issued November 8, 1977, and the two documents should be considered together.

Bulletin 77-05 described the failure, under test conditions, of a general type of electrical connector. The tests were intended to simulate post-LOCA conditions, therefore the action requested in the Bulletin focussed on the qualification of electrical connectors for use inside containment.

Since issuance of Bulletin 77-05, our attention has been called to circumstances which indicate that the scope of the action requested should be expanded and therefore the response to Bulletin 77-05 should reflect the expanded scope.

Electrical connectors should be qualified to perform their intended function after having been subjected to accident conditions if they are contained in a system whose function is to mitigate that accident.

The location of the connectors that must be qualified is not limited to those inside containment.

Action To Be Taken By Licensees and Permit Holders:

1. Actions requested by Bulletin 77-05 should be expanded to include all connectors in safety systems which are required to function to mitigate an accident where the accident itself could adversely affect the ability of the system to perform its safety function. The examination is not to be limited to only LOCA's nor to areas only within containment.
2. Responses should be provided within 30 or 60 days, as appropriate, of the date of this supplement.

Approved by GAO, B180225 (R0072); clearance expires 7-31-80. Approval was given under a blanket clearance specifically for identified generic problems.