



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555

January 28, 1993

The Honorable Philip Sharp, Chairman  
Subcommittee on Energy and Power  
Committee on Energy and Commerce  
United States House of Representatives  
Washington, DC 20515

Dear Mr. Chairman:

The NRC has sent to the Office of the Federal Register for publication the enclosed notice of denial of a petition for rulemaking. The petition requested that the NRC amend certain parts of 10 CFR Part 50 to require licensees of nuclear power plants and other nuclear facilities to consider the effect of electrical transients on the operability and reliability of nuclear safety related electrical systems.

The NRC is denying the petition because the regulations already include requirements for lightning protection and for protection against the effects of the electrical transient phenomena present in the nuclear power plant environment. Electrical systems have been designed on the basis of research conducted in this area since the 1930s. A thorough review of operating events at commercial nuclear power plants indicates that lightning related events have not inhibited their safe operation and shutdown. The NRC also investigated the effect of nuclear electromagnetic pulse on nuclear power plants and found that a safe shutdown could be accomplished.

Please feel free to call us should you have any questions on this matter.

Sincerely,

A handwritten signature in dark ink, appearing to read "Dennis K. Rathbun".

Dennis K. Rathbun, Director  
Office of Congressional Affairs

Enclosure:  
As stated

cc: Representative Michael Bilirakis

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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555

January 28, 1993

The Honorable Richard H. Lehman, Chairman  
Subcommittee on Energy and Mineral Resources  
Committee on Natural Resources  
United States House of Representatives  
Washington, DC 20515

Dear Mr. Chairman:

The NRC has sent to the Office of the Federal Register for publication the enclosed notice of denial of a petition for rulemaking. The petition requested that the NRC amend certain parts of 10 CFR Part 50 to require licensees of nuclear power plants and other nuclear facilities to consider the effect of electrical transients on the operability and reliability of nuclear safety related electrical systems.

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Dennis K. Rathbun, Director  
Office of Congressional Affairs

Enclosure:  
As stated

cc: Representative Barbara Vucanovich



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555

January 28, 1993

The Honorable Bob Graham, Chairman  
Subcommittee on Nuclear Regulation  
Committee on Environment and Public Works  
United States Senate  
Washington, DC 20510

Dear Mr. Chairman:

The NRC has sent to the Office of the Federal Register for publication the enclosed notice of denial of a petition for rulemaking. The petition requested that the NRC amend certain parts of 10 CFR Part 50 to require licensees of nuclear power plants and other nuclear facilities to consider the effect of electrical transients on the operability and reliability of nuclear safety related electrical systems.

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Dennis K. Rathbun, Director  
Office of Congressional Affairs

Enclosure:  
As stated

cc: Senator Alan K. Simpson

CONGRESSIONAL CORRESPONDENCE SYSTEM  
DOCUMENT PREPARATION CHECKLIST

This checklist is to be submitted with each document (or group of Qs/As) sent for filing into the CCS.

1. BRIEF DESCRIPTION OF DOCUMENT(S) Letter to Congressman Sharp
2. TYPE OF DOCUMENT ☒ Correspondence ☐ Hearings (Qs/As)
3. DOCUMENT CONTROL ☐ Sensitive (NRC Only) ☒ Non-sensitive
4. CONGRESSIONAL COMMITTEE and SUBCOMMITTEES (if applicable)  
\_\_\_\_\_  
Congressional Committee  
\_\_\_\_\_  
Subcommittee
5. SUBJECT CODES  
(a) \_\_\_\_\_  
(b) \_\_\_\_\_  
(c) \_\_\_\_\_
6. SOURCE OF DOCUMENTS  
(a) \_\_\_\_\_ 5520 (document name) \_\_\_\_\_  
(b) ☒ Scan- (c) \_\_\_\_\_ Attachments  
(d) \_\_\_\_\_ Key (e) \_\_\_\_\_ Other \_\_\_\_\_
7. SYSTEM LOG DATES  
(a) 2/12/93 Date OCA sent document to CCS  
(b) \_\_\_\_\_ Date CCS receives document  
(c) \_\_\_\_\_ Date returned to OCA for additional information  
(d) \_\_\_\_\_ Date resubmitted by OCA to CCS  
(e) \_\_\_\_\_ Date entered into CCS by \_\_\_\_\_  
(f) \_\_\_\_\_ Date OCA notified that document is in CCS
8. COMMENTS  
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