

APR 28 1983

Docket Title
DCS MS-016

Docket Nos. 50-266
and 50-301

Mr. C. W. Fay
Vice President-Nuclear Power
Wisconsin Electric Power Company
231 West Michigan Street
Milwaukee, Wisconsin 53201

Dear Mr. Fay:

The Commission has issued the enclosed Exemption to Appendix R of 10 CFR Part 50 in partial response to your letter of June 30, 1982 as supplemented by letters dated September 29 and October 11, 1982. The Exemption allows relief from the requirement to install a fixed suppression system in the Control Room. The basis for this relief is contained in the enclosed Exemption. A copy of the Exemption is also being forwarded to the Office of the Federal Register for publication.

Your June 30, 1982 letter also addressed an open item from our previously issued Fire Protection Safety Evaluation Report (SER) Supplement dated October 21, 1980. This open item, 3.1.17, Hydrogen Hazard Fire Protection illustrated the staff's concern about the potential damage from a fire resulting from a leaking hydrogen supply header. An additional staff concern was that this hydrogen line might increase the severity of postulated fires over the turbine lube oil reservoir. Our SER Supplement stated that fire barriers should be installed to separate hydrogen lines from safety related electrical equipment on elevations 8 and 26 in the Auxiliary Building.

In your June 30 letter you stated that comparison of the hydrogen fire analysis effects with the postulated flammable liquid (acetone) fire effects resulted in the acetone fire being the most severe event and that the hazards associated with hydrogen fires are bounded by those associated with liquid hydrocarbon spills. On this basis you concluded that the proposed modifications which provide adequate protection from liquid hydrocarbon fires also protect against hydrogen fire damage.

Based on our review of your submittal, we find that the fire protection for the hydrogen lines in areas containing safety related equipment meets the guidelines of Section C.5.d(5) of BTP CMEB 9.5-1 and, therefore, is acceptable.

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DATE

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USGPO: 1981-335-960

APR 28 1983

Docket Nos. 50-266
and 50-301

Mr. C. W. Fay
Vice President-Nuclear Power
Wisconsin Electric Power Company
231 West Michigan Street
Milwaukee, Wisconsin 53201

Dear Mr. Fay:

✓ Docket File JHeltemes,
NRC PDR AEOD
Local PDR
ORB Rdg
DEisenhut
ORAB
PMKreutzer
TColburn
OELD
E. L. Jordan
TBarnhart
OPA(Clare Miles)
NSIC
JMTaylor
SECY
RDiggs

The Commission has issued the enclosed Exemption to Appendix R of 10 CFR Part 50 in partial response to your to letter of June 30, 1982 as supplemented by letters dated September 29 and October 11, 1982. The Exemption allows relief from the requirement to install a fixed suppression system in the Control Room and from the requirement to provide fire barriers in the Auxiliary Building to separate hydrogen lines from safety-related cables and equipment. The bases for this relief is contained in the enclosed Exemption. A copy of the Exemption is also being forwarded to the Office of the Federal Register for publication.

Your June 30, 1982 letter included 10 other exemption requests. These are under review by the NRC staff. It is our understanding that you intend to submit additional information to satisfy our staff's concerns regarding the above exemption requests by April 20, 1983. We request that you forward this information to us by express mail or other rapid transit carrier.

Sincerely,

Robert A. Clark, Chief
Operating Reactors Branch #3
Division of Licensing

Enclosure:
Exemption

cc: See next page

* See previous page for concurrence

OFFICE	ORB#3:DL	ORB#3:DL	ORB#5:DL	ORB#3:DL	AD:OR	OELD	DIR
SURNAME	PKreutzer	TColburn:dd	TWambach	RAClark	GCLainas		DGEisenhut
DATE	4/5/83	4/15/83	4/ /83	4/ /83	4/ /83	4/ /83	4/ /83

Mr. C. W. Fay

- 2 -

Your June 30, 1982 letter included 10 other exemption requests. These are under review by the NRC staff. It is our understanding that you intend to submit additional information to satisfy our staff's concerns regarding the above exemption requests by April 28, 1983, and that this information will be forwarded to us by express mail or other rapid transit carrier.

Sincerely,

Original signed by:

Robert A. Clark, Chief
Operating Reactors Branch #3
Division of Licensing

Enclosure:
Exemption

cc: See next page

Docket File
NRC PDR
Local PDR
DEisenhut
ORAB
PMKreutzer
TColburn
OELD
E.L.Jordan
TBarnhart
OPA (Clare Miles)
NSIC
JMTaylor
SECY
RDiggs
JHeltemes,
AEOD

*cc: See previous concurrence page

WMA - with comments

OFFICE	ORB#3:DL	ORB#3:DL	ORB#5:DL	ORB#3:DL	AD:OR	OELD	DIR:
SURNAME	PKreutzer	IColburn:dd	Twambach	RAClark	GChen	W.Shields	DEisenhut
DATE	4/15/83	4/15/83	4/19/83	4/19/83	4/19/83	4/11/83	4/ /83

Wisconsin Electric Power Company

cc:

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Shaw, Pittman, Potts and Trowbridge
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Two Rivers, Wisconsin 54241

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Nuclear Operations
Wisconsin Electric Power Company
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Mr. Gordon Blaha
Town Chairman
Town of Two Creeks
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Wisconsin's Environmental Decade
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Federal Activities Branch
Region V Office
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Chairman
Public Service Commission of Wisconsin
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Madison, Wisconsin 53702

Regional Administrator
Nuclear Regulatory Commission, Region III
Office of Executive Director for Operations
799 Roosevelt Road
Glen Ellyn, Illinois 60137



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

DISTRIBUTION:
Docket File
ORB#3 Rdg
PMKreutzer

Docket No. 50-266
50-301

Docketing and Service Section
Office of the Secretary of the Commission

SUBJECT:

Two signed originals of the Federal Register Notice identified below are enclosed for your transmittal to the Office of the Federal Register for publication. Additional conformed copies (12) of the Notice are enclosed for your use.

- Notice of Receipt of Application for Construction Permit(s) and Operating License(s).
- Notice of Receipt of Partial Application for Construction Permit(s) and Facility License(s): Time for Submission of Views on Antitrust Matters.
- Notice of Availability of Applicant's Environmental Report.
- Notice of Proposed Issuance of Amendment to Facility Operating License.
- Notice of Receipt of Application for Facility License(s); Notice of Availability of Applicant's Environmental Report; and Notice of Consideration of Issuance of Facility License(s) and Notice of Opportunity for Hearing.
- Notice of Availability of NRC Draft/Final Environmental Statement.
- Notice of Limited Work Authorization.
- Notice of Availability of Safety Evaluation Report.
- Notice of Issuance of Construction Permit(s).
- Notice of Issuance of Facility Operating License(s) or Amendment(s).
- Other ~~E Exemption: Relief from the requirement to install a fixed suppression system in the control room.~~

Division of Licensing
Office of Nuclear Reactor Regulation

Enclosure:
As Stated

OFFICE →	ORB#3:DL					
SURNAME →	PMKreutzer					
DATE →	4/2/83					

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F PDR

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of)
)
WISCONSIN ELECTRIC)
POWER COMPANY) Docket Nos. 50-266
) and 50-301
(Point Beach Nuclear Plant)
Units 1 and 2)

EXEMPTION

I.

Wisconsin Electric Power Company (the licensee) is the holder of Facility Operating License Nos. DPR-24 and DPR-27 (the licenses) which authorize operation of the Point Beach Nuclear Plant, Units 1 and 2, respectively (the facilities) at a steady state reactor power level not in excess of 1518 megawatts thermal (rated power). The facilities consist of Westinghouse Electric Corporation designed pressurized water reactors (PWRs) located at the licensee's site in Manitowoc County, Wisconsin.

The license is subject to all rules, regulations and Orders of the Commission.

II.

On November 19, 1980, the Commission published a revised Section 10 CFR 50.48 and a new Appendix R to 10 CFR 50 regarding fire protection features of nuclear power plants (45 F.R. 76602). The revised Section 50.48 and Appendix R became effective on February 17, 1981. Section III of Appendix R contains fifteen subsections, lettered A through O, each of which specifies requirements for a particular aspect of the fire protection features at a nuclear power plant. One of these fifteen subsections, III.G, is the subject of this exemption request.

Section III.G details the requirements for fire protection of safe shutdown capability. Specifically, Section III.G.1 requires that fire protection features shall be provided for structures, systems and components important to safe

shutdown. These features shall be capable of limiting fire damage such that one train of systems necessary to achieve and maintain hot shutdown conditions from either the control room or emergency control station(s) shall be free of fire damage and systems necessary to achieve and maintain cold shutdown from either the control room or emergency station(s) shall be capable of being repaired within 72 hours.

Section III.G.2 provides requirements to ensure that the objectives of Section III.G.1 are met. Section III.G.3 specifies the requirements for alternative or dedicated shutdown capability necessary to ensure that the objectives of Section III.G.1 are met given that the specific provisions of Section III.G.2 cannot be met.

III.

By letters dated June 30 and October 11, 1982, the licensee requested an exemption from Section III.G, "Fire Protection of Safe Shutdown Capability" of Appendix R to 10 CFR Part 50 to the extent that it requires the installation of a fixed suppression system in the control room.

The licensee's rationale for the exemption is as follows. First, the in-situ fire loading for the control room is low, and the presence of transient combustibles is strictly controlled. Second, the room is covered by a fire detection system. Third, the room is continuously manned and a hose station and portable extinguishers are immediately available to assure prompt manual suppression of a fire. Finally, an alternate safe shutdown system is available which assures that the plant can be shut down safely even if the control room is made temporarily uninhabitable by a fire.

We have evaluated the licensee's rationale and find it acceptable. The installation of a fixed fire suppression system in the control room would not significantly increase the level of fire protection. On this basis, we conclude that the exemption should be granted.

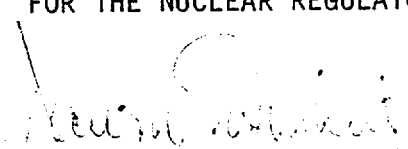
IV.

Accordingly, the Commission has determined that, pursuant to 10 CFR 50.12(a), an exemption is authorized by law and will not endanger life or property or the common defense and security and is otherwise in the public interest and hereby grants an exemption from the requirements of Section III.G of Appendix R to the extent that it requires a fixed suppression system in the Control Room.

The Commission has determined that the granting of this Exemption will not result in any significant environmental impact and that pursuant to 10 CFR 51.5(d)(4) an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with this action.

This Exemption is effective upon issuance.

FOR THE NUCLEAR REGULATORY COMMISSION


Darrell G. Eisenhut, Director
Division of Licensing

Dated at Bethesda, Maryland this 28th day of April, 1983.