

AUG 10 1982

DCS MS-016

Docket Nos. 50-266
and 50-301

DISTRIBUTION
✓ Docket File
Local PDR
ORB#3 Rdg
JHeltemes
RAClark
PKreutzer
OELD
NSIC
I&E (1)
ACRS (10)
TColburn
Gray File

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

Dear Mr. Fay:

RE: NUREG-0737 ITEM III.D.3.4- CONTROL ROOM HABITABILITY AT POINT BEACH
NUCLEAR PLANT UNITS 1 AND 2.

We have received your letters of January 9, 1981 and February 23, 1981 responding to item III.D.3.4 of NUREG-0737 regarding control room habitability. We have completed our review of your submittals and of information provided by members of your staff during recent telephone conference calls. Based on our review the staff concludes that you have adequately responded to the above referenced item and therefore we consider this item resolved for your facilities. Our conclusion is based upon commitments by members of your staff to complete modifications and recommendations as identified in the attached Safety Evaluation Report (SER) which were discussed during the aforementioned conference calls.

NRC Region III will be conducting a post-implementation review of this item for your facilities. Changes to the Technical Specifications for Point Beach Units 1 and 2 that may be required as a result of modifications should be submitted as soon as practicable following completion of the modifications.

Your latest submittal regarding completion of NUREG-0737 items indicate your modifications for Control Room Habitability will be completed by 1/1/83 with the acceptance of shielding modifications which you say can be completed by 6/30/83.

Sincerely,
Original signed by
Robert A. Clark

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

8209150104 820810
PDR ADOCK 05000266
P PDR

Enclosure:
Safety Evaluation

cc: See next page

cc: See previous concurrence page

OFFICE	DL:ORB#3	DL:ORB#3	PO' Connor	AEB	ORAR	DL:ORB#3
SURNAME	PMKreutzer	TColburn:dd		Hulman	Tippolito	RAClark
DATE	8/ /82	8/ /82	8/ /82	8/ /82	8/ /82	8/ /82

Docket Nos. 50-266
and 50-301

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

DISTRIBUTION
Docket File
Local PDR
ORB Rdg
D.Eisenhut
JHeltemes
RAClark
PKreutzer
OELD
NSIC
I&E (1)
ACRS (10)
TColburn
Gray File

Dear Mr. Fay:

RE: NUREG-0737 ITEM III.D.3.4- CONTROL ROOM HABITABILITY AT POINT BEACH
NUCLEAR PLANT UNITS 1 AND 2.

We have received your letters of January 9, 1981 and February 23, 1981 responding to item III.D.3.4 of NUREG-0737 regarding control room habitability. We have completed our review of your submittals and of information provided by members of your staff during recent telephone conference calls. Based on our review the staff concludes that you have adequately responded to the above referenced item and therefore we consider this item resolved for your facilities. Our conclusion is based upon commitments by members of your staff to complete modifications and recommendations as identified in the attached Safety Evaluation Report (SER) which were discussed during the aforementioned conference calls.

NRC Region III will be conducting a post-implementation review of this item for your facilities. Changes to the Technical Specifications for Point Beach Units 1 and 2 that may be required as a result of modifications should be submitted as soon as practicable following completion of the modifications.

Sincerely,

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

Enclosure:
Safety Evaluation

cc: See next page

OFFICE	DL:ORB#3	DL:ORB#3	PO'Conner	AEB	DL:ORB#3		
SURNAME	PKreutzer	TColburn:dd		Hulman	RAClark		
DATE	7/30/82	7/2/82	7/ /82	7/ /82	7/ /82		

Wisconsin Electric Power Company

cc:

Mr. Bruce Churchill, Esquire
Shaw, Pittman, Potts and Trowbridge
1800 M Street, N. W.
Washington, D. C. 20036

Mr. William Guldmond
USNRC Resident Inspectors Office
6612 Nuclear Road
Two Rivers, Wisconsin 54241

Joseph Mann Library
1516 Sixteenth Street
Two Rivers, Wisconsin 54241

Mr. Glenn A. Reed, Manager
Nuclear Operations
Wisconsin Electric Power Company
Point Beach Nuclear Plant
6610 Nuclear Road
Two Rivers, Wisconsin 54241

Mr. Gordon Blaha
Town Chairman
Town of Two Creeks
Route 3
Two Rivers, Wisconsin 54241

Ms. Kathleen M. Falk
General Counsel
Wisconsin's Environmental Decade
114 N. Carroll Street
Madison, Wisconsin 53703

U. S. Environmental Protection Agency
Federal Activities Branch
Region V Office
ATTN: Regional Radiation
Representative
230 S. Dearborn Street
Chicago, Illinois 60604

Chairman
Public Service Commission of Wisconsin
Hills Farms State Office Building
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

SAFETY EVALUATION FOR POINT BEACH UNITS 1 AND 2
ON NUREG-0737 ITEM
NO. III.D.3.4, "CONTROL ROOM HABITABILITY"

Position

In accordance with Task Action Plan Item III.D.3.4, "Control Room Habitability," licensees shall assure that control room operators will be adequately protected against the effects of accidental release of toxic and radioactive gases and that the nuclear power plant can be safely operated or shut down under design basis accident conditions (Criterion 19, "Control Room," of Appendix A, "General Design Criteria for Nuclear Power Plants," to 10 CFR Part 50).

Evaluation

In response to the requirements of the Task Action Plan as promulgated in NUREG-0737, the licensee submitted responses to Item III.D.3.4 dated January 9, 1981 and February 23, 1981. Under contract to the staff (FIN #B2323) and consonant with the NUREG-0737 requirements, Pacific Northwest Laboratories (PNL) evaluated the information provided by the licensee against the guidance and requirements of Standard Review Plan Sections 2.2.1, 2.2.2, 2.2.3 and 6.4, and Regulatory Guides 1.78 and 1.95. In its submittals and during telephone conference calls with the NRC staff and PNL representatives the licensee committed to a number of modifications and these are identified in the enclosed PNL Letter report on Units 1 and 2 at Point Beach. These include control room, door and window portable shielding and control room air supply line radioactive gas detection equipment. In addition to those measures proposed by the licensee in its submittals, PNL indicated that in order to meet Regulatory Guide 1.78, the licensee should provide additional self-contained breathing apparatus (SCBA) units for the control room personnel. During a telephone conversation between Timothy Colburn (NRC) and Ronald Seizart (Wisconsin Electric Power Co.) on March 15, 1982, and followup telephone conversations on July 8, 1982 the licensee committed to implementing the SCBA provision described above.

In reaching its conclusions, the staff reviewed the licensee's submittals and telephone-provided information and the PNL findings. In conducting their review, PNL discovered that the licensee had used an overly conservative control room air in-leakage assumption. The staff has reviewed the PNL findings and is confident that the confirmatory reanalysis being performed by the licensee using more appropriate in-leakage assumptions will show that thyroid doses to control room personnel will be less than 30 rem.

Based upon the staff reviews and the implementation of the licensee's commitments for the SCBA and other modifications as discussed in the enclosed PNL letter, the staff concludes that the control room habitability systems are in accordance with NUREG-0737 and are acceptable. The staff finds that the systems will provide safe, habitable conditions within the control room under both normal and accident radiation and toxic gas conditions, including loss-of-coolant accidents.

The staff also concludes that occupancy can be maintained under accident conditions without personnel receiving radiation exposures in excess of 5 rem whole body, or its equivalent to any part of the body, for the duration of an accident. Therefore, with the inclusion of the previously identified modifications, and pending the results of the confirmatory analysis being performed for the licensee by a contractor, the design meets the criteria identified in Item No. III.D.4, "Control Room Habitability" of NUREG-0737 and is acceptable.

Attachment:
PNL letter dated
3/2/82