



Federal Emergency Management Agency

Washington, D.C. 20472

MAY 14 1984

MEMORANDUM FOR: Edward L. Jordan
Director, Division of Emergency Preparedness
and Engineering Response
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission

FROM: *Richard W. Krimm*
Richard W. Krimm
Assistant Associate Director
Office of Natural and Technological Hazards Programs

SUBJECT: Wisconsin Schedule of Corrective Actions for Deficiencies
Identified During the Kewaunee Nuclear Power Plant Offsite
Radiological Emergency Preparedness Exercise Conducted
on November 1, 1983

Attached is the schedule of corrective actions submitted by the State of Wisconsin for the deficiencies noted in the Final Report for the Kewaunee Nuclear Power Plant Offsite Radiological Emergency Preparedness Exercise conducted on November 1, 1983. The exercise report was sent to you on January 30, 1984.

The Federal Emergency Management Agency Headquarters and Region V staff have reviewed the schedule of corrective actions submitted by the State and found it to be adequate. Based on the exercise and the corrective actions schedule, we cannot identify any impediments to protecting the health and safety of the public in the event of an incident at the Kewaunee Nuclear Power Plant.

If you have any questions, please contact Mr. Robert S. Wilkerson, Chief, Technological Hazards Division, at 287-0200.

Attachment
As Stated

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Federal Emergency Management Agency

Region V 300 South Wacker, 24th Floor, Chicago, IL 60606 (312) 353-1500

April 27, 1984

MEMORANDUM FOR: Richard J. Krimm
Asst. Associate Director for Natural
& Technological Hazards Division

Attn: Mr. Robert Turner

FROM: *Wallace J. Weaver*
Wallace J. Weaver, Chief
Technological Hazards Branch
Natural & Technological Hazards Division
FEMA Region V

SUBJECT: Kewaunee, Wisconsin Schedule of Corrective Actions

Enclosed is a copy of Wisconsin's schedule of corrective actions for deficiencies noted in the November 1, 1983 full participation Kewaunee Nuclear Power Plant Exercise.

Our review indicates that the response and schedule is acceptable.

Attachment

Rec'd
4/30

Wisconsin
(State)

Wisconsin
(Community)

Exercise Kewaunee Nuclear Power Plant
Summary Listing of Deficiencies

November 1, 1981

(Date)
(of Exercise)

DATE of STATE RESPONSE: April 6, 1984

B. Other Deficiencies

NUREG Item	Narrative Statement of Deficiency	Corrective Action Proposed	Scheduled Date *	Actual Date
A.2.	The SRC does not provide technical staffing at the Media Center.	A DHSS Section of Radiation Protection staff member served in this capacity at the Prairie Island Exercise. A member of this staff or other qualified individual, as designated by the SRC will be provided at each "full participation" exercise and in the event of an actual emergency.	03/13/84	
A.4.	The Public Service Commission did not demonstrate a two shift capability at the utility EOC.	It is not necessary to demonstrate this "two-shift" capability during an exercise. In an actual emergency, sufficient staff from the PSC would be provided for this purpose.	None	
D.3.	The SRC staff at the State EOC Madison did not maintain up-to-date status boards early in the exercise.	Provision will be made to maintain current information on the status board located in the SRC-assigned area adjacent to the State EOC at subsequent exercises.	06/19/84	
E.6.	Releases to the print media and TV did not contain the call letters and frequency of the EBS radio station.	This correction will be made in subsequent exercises.	06/19/84	

*NOTE: For each NUREG item, the stated corrective action will be (or was) taken as soon as possible, but no later than the date of the next exercise which will offer (or offered)

Wisconsin

(State)

Wisconsin

(Community)

Exercise Kewaunee Nuclear Power Plant

Summary Listing of Deficiencies

November 1, 1981

(Date)

B. Other Deficiencies

NUREG Item	Narrative Statement of Deficiency	Corrective Action Proposed	Scheduled Date*	Actual Date
E.6.	Evacuation and sheltering instructions were not released coincidental with the declaration of the General Emergency and the sounding of the sirens.	County PIO's will be instructed to include this information in EBS releases.	10/30/85	
E.6.	Sheltering and evacuation instructions were not directed to transients without appropriate shelter.	Same as above.	10/30/85	
E.6.	Information concerning the evacuation of school children was not included in releases.	Same as above.	10/30/85	
F.1.a.	Telephonic communications between the State Area EOC and the counties was difficult to maintain as the phone lines were generally busy.	It is not clear why this concern is expressed under NUREG item F.1.a. which is directed at 24-hour capability. Moreover, this is not seen as a problem, since the Area EOC is principally used as a radio relay point to provide redundant communications. The cost of providing a dedicated phone line is considered to be prohibitive.	None	
F.1.d.	Only a single common telephone line was provided for the Public Service Commission representative at the EOF and the Mobile Radiological laboratory located adjacent to the EOF.	The State has negotiated with WPS for the provision of separate telephone lines at the EOF for the PSC representative and for the mobile laboratory.	03/01/84	

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Wisconsin
(State)

Wisconsin
(Community)

Exercise Kewaunee Nuclear Power Plant
Summary Listing of Deficiencies

November 1, 1981
(Date)

B. Other Deficiencies

<u>NUREG</u> <u>Item</u>	<u>Narrative Statement</u> <u>of Deficiency</u>	<u>Corrective Action</u> <u>Proposed</u>	<u>Scheduled</u> <u>Date *</u>	<u>Actual</u> <u>Date</u>
1.8.	Discussions with personnel in the field revealed that SOP's still need to be developed for operation of the field mobile analyzer system.	SOP's for the operation of the field mobile analyzer system will be completed prior to the time the mobile lab is fully operational.	Indeterminate	
1.10.	The SRC and the utility do not have mutually understood data necessary for the State to independently verify off-site projections.	The Section of Radiation Protection will work with WPS to develop mutually understood data allowing for independent State verification of off-site projections.	10/30/85	
N.1.a.	The scenario did not provide for all activities that are done by the field monitoring teams.	State/local KI policies and procedures were not proposed for testing at this exercise. They will be tested during the LACBWR exercise. This question should have been raised by FEMA when they received the scenario prior to the exercise.	06/19/84	

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Wisconsin
(State)

Exercise Kewaunee Nuclear Power Plant
Summary Listing of Deficiencies

November 1, 1983
(Date)

Wisconsin
(Community)

B. Other Deficiencies

<u>NUREG Item</u>	<u>Narrative Statement of Deficiency</u>	<u>Corrective Action Proposed</u>	<u>Scheduled Date*</u>	<u>Actual Date</u>
F.1.d.	The State Radiological Coordinator's staff did not establish early direct communications with the utility ECF.	This will be done in future exercises.	06/19/84	
F.1.d.	Data and information pertinent to operations was not made available to all parties.	SOP's will be developed and additional operational training will be provided to improve the communications flow among the radiological assessment operations.	06/19/84	
G.3.a.	"Hot Lines" are long distance toll calls from the Kewaunee area.	The State will discuss the possibility of relocation of "hot line" public access to the JPIC rather than to the Corporate headquarters in Green Bay.	10/30/85	
G.3.a.	Media Center staff did not monitor TV and radio broadcasts to check adequacy of media releases.	The JPIC staff will be directed to monitor radio and TV broadcasts to check adequacy of news releases.	06/19/84	
H.10.	Instruments were not tagged to indicate the calibration status of the equipment.	Instruments will be tagged with the latest calibration dates.	09/11/84	
H.10.	The field teams did not have a radioactive source to use in performing operational checks of the equipment.	A radioactive source will be distributed with appropriate procedures for checking the operational status of the equipment.	09/11/84	

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Wisconsin
(State)

Kewaunee County
(Community)

Exercise Kewaunee Nuclear Power Plant
Summary Listing of Deficiencies

November 1, 1983
(Date)

B. Other Deficiencies

<u>NUREG Item</u>	<u>Narrative Statement of Deficiency</u>	<u>Corrective Action Proposed</u>	<u>Scheduled Date *</u>	<u>Actual Date</u>
A.4.	Relocation Center personnel did not demonstrate a capability for continuous operations.	Relocation center did demonstrate a complete shift change.	None	
D.3.	Maps were not posted with appropriate exercise data.	Maps will be posted with appropriate data and updated.	09/11/84	
D.3.	Briefings and conversations within the EOC included use of some incorrect terminology, i.e., "Site Alert."	Training on terminology used within EOC pertaining to nuclear plant incidents will be held with all EOC personnel.	09/11/84	
F.1.b.	The telephone system experienced frequent breakdowns.	The telephone company made necessary checks and corrections. With the new EOC a new telecommunications system will be used.	When new EOC is completed	
F.1.b.	There is a problem with the interconnection between the microcomputer and the telephone system.	The telephone company made necessary corrections in equipment. When new EOC is completed, this facility will be separate and dependable.	When new EOC is completed	
G.4.b.	Prescribed messages were not transmitted to the EBS station.	Additional training in implementing public alerting procedures in the County Plan will be provided prior to the next exercise.	09/11/84	

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Wisconsin
(State)

Kewaunee County
(Community)

Exercise Kewaunee Nuclear Power Plant
Summary Listing of Deficiencies

November 1, 1983
(Date)

B. Other Deficiencies

<u>NUREG Item</u>	<u>Narrative Statement of Deficiency</u>	<u>Corrective Action Proposed</u>	<u>Scheduled Date *</u>	<u>Actual Date</u>
J.10.a.	Utility provided maps had reverse and inverted orientation.	New maps are being furnished by the utility.	03/01/84	
J.10.d.	Information on the location of mobility impaired individuals/special needs individuals was not available in the EOC.	This inventory is being compiled through the Health and Social Services Department of Kewaunee County.	07/01/84	
J.10.e.	The County has not accepted the State program for use of KI.	Kewaunee County has accepted the State program on KI.	09/27/83	
J.12.	The State monitoring/decontamination teams did not demonstrate decontamination procedures including the disposal of contaminated materials.	Procedures are in place for decontamination/disposal. If is not felt that these procedures need to be frequently tested. These procedures will be tested at the IACBWR exercise.	06/19/84	
K.3.a.	Permanent record radiological exposure control devices are not available for emergency workers.	No permanent record of radiological devices have been made available to local emergency workers in any of Wisconsin's "risk" counties. Acquisition of TLD's or some other type of permanent record device for use by State and local emergency workers is currently under consideration by the State of Wisconsin.	Indeterminate	

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Wisconsin
(State)

Kewaunee County
(Community)

Exercise Kewaunee Nuclear Power Plant
Summary Listing of Deficiencies

November 1, 1983
(Date)

B. Other Deficiencies

<u>NUREG Item</u>	<u>Narrative Statement of Deficiency</u>	<u>Corrective Action Proposed</u>	<u>Scheduled Date*</u>	<u>Actual Date</u>
K.3.b.	Cards for maintenance of dose records were not prepared nor were they available in the RADEF Officer or Health Officer emergency supplies.	Cards for maintenance of dose records are prepared and available to the RDO and the Public Health Officer.	None	
K.3.b.	Instructions for reading dosimeters should be included in the emergency workers dosimetry kits.	Instructions for reading dosimeters will be included in dosimeter kits.	04/01/84	
K.5.b.	Although decontamination is a State function, County authorities were not aware of the time, and location, when these procedures would be carried out.	Additional information relative to decontamination procedures will be included in the County Plan or the State Plan will be referenced.	08/84	

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Wisconsin
(State)

Manitowoc County
(Community)

Exercise Kewaunee Nuclear Power Plant
Summary Listing of Deficiencies

November 1, 1983
(Date)

B. Other Deficiencies

<u>NUREG Item</u>	<u>Narrative Statement of Deficiency</u>	<u>Corrective Action Proposed</u>	<u>Scheduled Date *</u>	<u>Actual Date</u>
J.10.a.	Roads from the reception center to the congregate care center(s) are not posted and maps were not available for use by transient population or others not familiar with the area.	Roads from the reception center to the congregate care facility will be posted and maps will be made available for transients.	09/11/84	
J.10.d.	Lists of mobility impaired persons and those without transportation are not available in the EOC.	Only one resident facility, a nursing home falls within the Point Beach plant EPZ (at the outer limit). Medical staff have decided not to evacuate this facility in an emergency situation. The County has contacted 6-8 social service agencies to assist in developing lists of mobility impaired and received no response. Residents of the EPZ will be requested to complete and mail back a survey form to be included with the utilities informational brochure to be mailed out in August, 1984. A minimal response is expected.	Indeterminate	

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Wisconsin
(State)

Manitowoc County
(Community)

Exercise Kewaunee Nuclear Power Plant
Summary Listing of Deficiencies

November 1, 1981
(Date)

B. Other Deficiencies

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K.3.a.	Pocket dosimeters for emergency workers do not include a unit that exceeds the EPA Guideline of 25 R.	County emergency workers will be required to leave contaminated areas if or when their dosimeters read the maximum 20 R reading, and will not be allowed to return.	None	
K.3.a.	Emergency workers were not provided with permanent record devices.	As indicated in the response to the same deficiency raised for Kewaunee County, the State is currently considering acquisition of permanent record devices for use by State and county emergency workers.	Indeterminate	

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