



NRC-99-091

Wisconsin Public Service Corporation
(a subsidiary of WPS Resources Corporation)
Kewaunee Nuclear Power Plant
North 490, Highway 42
Kewaunee, WI 54216-9511
920-388-2560

December 21, 1999

10 CFR 50, App. E

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

Ladies/Gentlemen:

Docket 50-305
Operating License DPR-43
Kewaunee Nuclear Power Plant
Radiological Emergency Response Plan Implementing Procedures

Pursuant to 10 CFR 50 Appendix E, Wisconsin Public Service Corporation hereby submits one copy of the latest revisions to the Kewaunee Nuclear Power Plant Radiological Emergency Response Plan Implementing Procedures (EIPs). These revised procedures supersede the previously submitted procedures.

Pursuant to 10 CFR 50.4, two additional copies of this letter and attachment are hereby submitted to the Regional Administrator, U. S. Nuclear Regulatory Commission, Region III, Lisle, Illinois. As required, one copy of this letter and attachment is also submitted to the Kewaunee Nuclear Power Plant NRC Senior Resident Inspector.

Sincerely,

Mark L. Marchi
Mark L. Marchi
Vice President-Nuclear

DLF/jmf

Attachment

cc - NRC Senior Resident Inspector, w/attach.
US NRC, Region III (2 copies), w/attach.
Electric Division, PSCW, w/o attach.
QA Vault, w/attach.

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KEWAUNEE NUCLEAR POWER PLANT

December 15, 1999

EMERGENCY PLAN IMPLEMENTING PROCEDURES TRANSMITTAL FORM

RETURN TO DIANE FENCL - KNPP

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J. Mueller - OSF (52) C. Long - SBF/EMT (54)
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Originals to KNPP QA Vault

Please follow the directions when updating your EPIP Manual. **WATCH FOR DELETIONS!!!** These are controlled procedures and random checks may be made to ensure the manuals are kept up-to-date.

***THIS IS NOT A CONTROLLED COPY. IT IS A COPY FOR INFORMATION ONLY.**

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		Emergency Plan Implementing Procedure	
Reviewed By <i>David M. Jensen</i>		Approved By <i>David R. Seibert</i>	
Nuclear Safety Related	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	PORC Review Required	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		SRO Approval Of Temporary Changes Required	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

1.0 Purpose

- 1.1 This procedure provides instruction for search and rescue operations under the direction of the Support Activities Director (SAD) with assistance from the Radiological Protection Director (RPD).

2.0 General Notes

- 2.1 Personnel involved in search and rescue missions that may involve high radiation areas should keep in mind the concepts of time, distance, and shielding to minimize radiation exposure as much as possible.
- 2.2 Each team will have a portable radio for communications capability with the team coordinator.
- 2.3 Rescue of a victim takes precedence over fire fighting unless the fire must be suppressed to save lives or effect rescue.

3.0 Precautions and Limitations

- 3.1 The buddy system will be in effect and search and rescue team members will only be allowed to travel into a potentially dangerous or high radiation area if within direct sight and/or sound of their partner.
- 3.2 Proper radiological controls must be adhered to during search and rescue operations.

4.0 Initial Conditions

- 4.1 Upon determination that a person or persons are missing, trapped, or disabled, implement this procedure.

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5.0 Procedure

5.1 The OSF Coordinator shall:

Note

During times when the OSF Coordinator is detained or when the area to be searched is more familiar to the RPD, the RPD may direct search and rescue operations with assistance from the SAD as available.

- 5.1.1 Use the following items to determine the most likely location of the missing person:
 - a. Gai-tronics
 - b. Plant security computer
 - c. Immediate supervisor for expected work location
 - d. Plant key checkout log
 - e. Radiologically Controlled Area entry log
- 5.1.2 Contact the RPD to discuss and plan the Search and Rescue.
- 5.1.3 Select the Search and Rescue team members according to the following criteria:
 - a. Team members should be knowledgeable of the plant layout.
 - b. If possible, at least one member of the team should be a Radiation Technologist.
 - c. At least one team member should have First Aid Training.
- 5.1.4 Assign a Team Coordinator.
- 5.1.5 Brief the Search and Rescue team (EPIP Form OSF 3).
- 5.1.6 Describe the area to be searched.
- 5.1.7 Coordinate all Search and Rescue teams so that duplication of effort is avoided, unnecessary radiation exposure does not occur, and time is utilized effectively.
- 5.1.8 WHEN search and rescue operations are completed or no longer necessary, recall all Search and Rescue teams.
- 5.1.9 Debrief all teams using EPIP Form OSF 3.

5.2 Team Coordinator

- 5.2.1 Equip one team member trained in first aid with a first aid kit.
 - 5.2.1.1 Ensure team members are knowledgeable of in-plant stretcher locations.

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- 5.2.2 Review with the RPD the protective clothing and respiratory protection equipment necessary for team actions in radiologically controlled areas.
- 5.2.3 Define the roles of the team members and dispatch teams to begin their search.
- 5.2.4 During the search and rescue effort,
 - a. Monitor the radio and record radiation levels.
 - b. Maintain surveillance of the doses (DDE) team members are receiving.
 - 1. IF exposures become significant, report this immediately to the RPD.
 - c. Log all significant events, including location and time of occurrence.
 - d. Inform the SAD or RPD of all significant actions being taken by team members.
 - e. Inform the OSF Coordinator immediately upon locating missing personnel.
- 5.2.5 IF an ambulance is required, THEN ensure the RPD is immediately notified.
- 5.2.6 As each area search is completed, notify the OSF Coordinator of any findings by Gai-tronics or radio.

5.3 Search and Rescue Team Members

- 5.3.1 Report to a location assigned by the Team Coordinator for direction and duties.
- 5.3.2 Receive a briefing from the OSF Coordinator or RPD.
- 5.3.3 Obtain the appropriate dosimetry, protective clothing, first aid equipment, and respiratory protection equipment deemed necessary by the RPD.
 - a. Ensure you are familiar with operation of all equipment.
 - b. Perform operational checks as appropriate.
 - c. Check equipment for physical damage.
 - d. Ensure all tools, parts, etc., needed are ready for use.
- 5.3.4 Ensure that proper directions have been obtained and are understood prior to entry.
- 5.3.5 Proceed to the search area assigned and conduct search.
 - a. Use the buddy system throughout the search operation.
 - b. Minimize exposure by using the principles of ALARA.
- 5.3.6 Monitor and record radiation field measurements in transit.
- 5.3.7 Maintain continuous radio contact with your Team Coordinator.

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	Title Search and Rescue	
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5.3.8 Report noteworthy radiological/environmental conditions, periodic radiation dose (DDE) updates, and any other significant events or observations.

5.3.9 In the event that physical or radiological conditions are encountered that are unexpected or that change and hinder the search, obtain further instructions from the Team Coordinator or abort the mission.

5.3.10 IF an injured or unconscious victim is found:

- a. Ensure safety of rescue team members while approaching the victim, giving first aid, and/or moving the victim out of a hazardous area.
- b. IF a stretcher is required, call for assistance.
- c. Provide first aid to the victim to the fullest extent possible without unnecessarily endangering the safety of the rescuer.
- d. Transport or escort the individual(s) to a safe location as soon as possible.

5.3.11 Return to your briefing area for a debrief (EPIP Form OSF 3) at the completion of an area search.

6.0 Final Conditions

6.1 None

7.0 References

- 7.1 Kewaunee Nuclear Power Plant Emergency Plan
- 7.2 Code of Federal Regulations, 10CFR Part 20
- 7.3 Radiation Protection Manual and Health Physics Procedures Manual
- 7.4 EPIP-AD-11, Emergency Radiation Controls

8.0 Records

8.1 The following QA records and non-QA records are identified in this directive/procedure and are listed on the KNPP Records Retention Schedule. These records shall be maintained according to the KNPP Records Management Program.

8.1.1 QA Records

- Operational Support Facility Team Briefing, EPIP Form OSF 3

8.1.2 Non-QA Records

None

WISCONSIN PUBLIC SERVICE CORP. Kewaunee Nuclear Power Plant <i>Emergency Plan Implementing Procedure</i>		No.	EPIP-APPX-A-2	Rev.	BE	
		Title	Response Personnel Call List			
		Date	DEC 15 1999	Page 1 of 3		
Reviewed By <i>Walter M. Burtch</i>		Approved By <i>David R. Seebart</i>				
Nuclear Safety Related	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	PORC Review Required	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	SRO Approval Of Temporary Changes Required	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

1.0 Purpose

1.1 This appendix provides a consolidated list of all Emergency Response Organization (ERO) members sorted three ways:

- By facility, then ERO position
- Accountability Coordinators by Facility
- All members alphabetically

2.0 General Notes

2.1 This Appendix may be used as a reference document for any declared emergency as defined in EPIP-AD-02, Emergency Class Determination.

3.0 Precautions and Limitations

3.1 None

4.0 Initial Conditions

4.1 This appendix is implemented during an emergency at the Kewaunee Nuclear Power Plant.

5.0 Procedure

5.1 This appendix will be updated quarterly.

6.0 Final Conditions

6.1 Plant Emergency has been Terminated or Recovery actions have begun and the Emergency Response Manager has suspended the use of EPIPs.

WISCONSIN PUBLIC SERVICE CORP. Kewaunee Nuclear Power Plant <i>Emergency Plan Implementing Procedure</i>	No. EPIP-APPX-A-2	Rev. BE
	Title Response Personnel Call List	
	Date DEC 15 1999	Page 2 of 3

7.0 References

7.1 Attachments

- EPIP Table Appx-A-2.1, Appx-A-2 - Response Personnel Call List (Facility)
- EPIP Table Appx-A-2.2, Appx-A-2 - Response Personnel Call List (Accountability Coordinators)
- EPIP Table Appx-A-2.3, Appx-A-2 - ERO Qualified Personnel Assignments (Response Personnel Sorted By Name)

7.2 EPMP-05.03, Telephone Number Quarterly Review

8.0 Records

8.1 The following QA records and non-QA records are identified in this directive/procedure and are listed on the KNPP Records Retention Schedule. These records shall be maintained according to the KNPP Records Management Program.

8.1.1 QA Records

None

8.1.2 Non-QA Records

None

**Appx-A-2 - Response Personnel Call List
(Facility)
EPIP Table Appx-A-2.1**

Name	Primary Job	Secondary Job	Work Location	Work Phone	Home Phone	Pager Ext
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**Appx-A-2 - Response Personnel Call List
(Accountability Coordinators)
EPIP Table Appx-A-2.2**

Work Location	Name	Primary Job	Time Contacted	Work Phone	Home Phone	Pager Ext
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**Appx-A-2 – ERO Qualified Personnel Assignments
(Response Personnel Sorted By Name)
EPIP Table Appx-A-2.3**

Employee	Primary Job	Secondary Job	Work Location	Work Phone	Home Phone
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The data contained on the attached tables have been intentionally omitted from external copies of this document.

This data is withheld to ensure the privacy of the employees of Wisconsin Public Service Corporation and off-site support groups which have supplied personal information for internal use by Wisconsin Public Service Corporation. It has also been done to ensure the security of the Kewaunee Nuclear Power Plant Emergency Communications Systems.

All company-held copies of this appendix do contain the telephone numbers and other communication data needed to ensure a prompt response of on-site and off-site support groups over the established communication systems.

WISCONSIN PUBLIC SERVICE CORP. Kewaunee Nuclear Power Plant <i>Emergency Plan Implementing Procedure</i>		No. EPIP-APPX-A-3	Rev. BG
		Title Off-Site, On-Site, and Company Support Telephone Numbers	
		Date DEC 15 1999	Page 1 of 10
Reviewed By <i>William M. Brooks</i>		Approved By <i>David R. Leebert</i>	
Nuclear Safety Related	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	PORC Review Required	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		SRO Approval Of Temporary Changes Required	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

1.0 Purpose

- 1.1 This appendix provides lists of telephone numbers for contacting:
- Off-site agencies or organizations that may be called to respond or assist during a declared emergency at the Kewaunee Nuclear Power Plant.
 - Key WPSC phone numbers for Emergency Response Facilities and support groups.

2.0 General Notes

- 2.1 This Appendix may be used as a reference document for any declared emergency. If a detailed listing of Emergency Response Facility phone numbers is needed, see "WPSC Emergency Response Facility Listing," EPIP-APPX-A-6.

3.0 Precautions and Limitations

- 3.1 None

4.0 Initial Conditions

- 4.1 This appendix is implemented during an emergency at the Kewaunee Nuclear Power Plant.

5.0 Procedure

- 5.1 Changes in telephone numbers which have occurred since the revision date (in header) will not be reflected in this appendix.
- 5.2 Changes to fax numbers preceded by an "*****" should be updated in the Prairie Systems Fax Broadcast List "008." For further information, reference "WPS Public Affairs Department," Procedure 6.4.1, "Schneider Fax Broadcasting."

6.0 Final Conditions

- 6.1 Plant Emergency has been Terminated or Recovery actions have begun and the Emergency Response Manager has suspended the use of EIPs.

7.0 References

- 7.1 EPMP-05.03, Telephone Number Quarterly Review

WISCONSIN PUBLIC SERVICE CORP. Kewaunee Nuclear Power Plant <i>Emergency Plan Implementing Procedure</i>	No.	EPIP-APPX-A-3	Rev.	BG
	Title	Off-Site, On-Site, and Company Support Telephone Numbers		
	Date	DEC 15 1999	Page 2 of 10	

7.2 EPIP APPX-A-6, WPSC Emergency Response Facility Telephone Listing

7.3 6.4.1, Schneider Fax Broadcasting (WPS Public Affairs Department Procedure)

8.0 Records

8.1 The following QA records and non-QA records are identified in this directive/procedure and are listed on the KNPP Records Retention Schedule. These records shall be maintained according to the KNPP Records Management Program.

8.1.1 QA Records

None

8.1.2 Non-QA Records

None

OFF-SITE SUPPORT AGENCY TELEPHONE NUMBERS EPIP-APPX-A-3

The data contained on these pages have been intentionally omitted from external copies of this document.

This data is withheld to ensure the privacy of the employees of Wisconsin Public Service Corporation and off-site support groups which have supplied personal information for internal use by Wisconsin Public Service Corporation. It has also been done to ensure the security of the Kewaunee Nuclear Power Plant Emergency Communications Systems.

All company-held copies of this appendix do contain the telephone numbers and other communication data needed to ensure a prompt response of on-site and off-site support groups over the established communication systems.

State Warning Center I _____

EVENT NOTICE

Rev. 0

OR

(Wisconsin Nuclear Accident Reporting Form)

DEC 15 1999

State Warning Center II _____

EPIP FORM AD 7.1

Page 1 of 1

Kewaunee Co. Sheriff _____

Manitowoc Co. Sheriff _____

“MESSAGE START”

“THIS IS [an ACTUAL EVENT / a DRILL] (Circle One).”

“This is the Kewaunee Nuclear Power Plant calling. An incident has occurred at our facility. Please record the following information on your Nuclear Accident Reporting System form.”

<p>1. <u>STATUS</u> (Use both A&D to Declare & Terminate at the same time)</p> <p><input type="radio"/> A Actual</p> <p><input type="radio"/> B Exercise</p> <p><input type="radio"/> C Drill</p> <p><input type="radio"/> D Termination</p>	<p>2. <u>STATION/PLANT</u></p> <p><input type="radio"/> (S) Kewaunee</p>	<p>3. <u>ON-SITE ACCIDENT CLASSIFICATION</u></p> <p><input type="radio"/> (A) Unusual Event</p> <p><input type="radio"/> (B) Alert</p> <p><input type="radio"/> (C) Site Area Emergency</p> <p><input type="radio"/> (D) General Emergency</p> <p><input type="radio"/> (E) Recovery</p> <p><input type="radio"/> (F) Not Applicable</p>
<p>4. <u>ACCIDENT</u></p> <p>CLASSIFIED TERMINATED</p> <p>TIME: _____ TIME: _____</p> <p>DATE: _____ DATE: _____</p> <p>EAL Chart: _____</p>	<p>5. <u>RELEASE TO ENVIRONMENT</u></p> <p><input type="radio"/> (A) None</p> <p><input type="radio"/> (B) Potential</p> <p><input type="radio"/> (C) Occurring</p> <p><input type="radio"/> (D) Terminated</p>	<p>6. <u>TYPE OF RELEASE</u></p> <p><input type="radio"/> (A) Not Applicable</p> <p><input type="radio"/> (B) Radioactive Gas</p> <p><input type="radio"/> (C) Radioactive Liquid</p>
<p>7. <u>WIND DIRECTION</u></p> <p>FROM _____ (degrees)</p> <p>Downwind Sector _____ (one)</p>		<p>8. <u>WIND SPEED</u></p> <p><input type="radio"/> (B) Miles / HR _____</p>
<p>9. <u>RECOMMENDED ACTIONS</u></p> <p><input type="radio"/> (A) NONE</p> <p><u>EVACUATE SECTORS</u></p> <p><input type="radio"/> (B) 0-2 mile radius</p> <p><input type="radio"/> (C) 0-5 mile radius</p> <p><input type="radio"/> (D) 2-5 miles for sectors _____</p> <p><input type="radio"/> (E) 5-10 miles for sectors _____</p> <p><input type="radio"/> (F) Other _____</p>	<p>10. <u>OTHER SIGNIFICANT INFORMATION</u></p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	

11. This message is being transmitted by _____ (name) at the Kewaunee Nuclear Power Plant. The return phone number is (920) 388-0101.

“State Warning Center, please read back of this message to verify accuracy.” (PAUSE to allow message to be read)

“Have all agencies received this message?” (WAIT for reply)

“Relay this information to Emergency Management immediately. Have the appropriate personnel verify this message by return phone call.”

“MESSAGE END”

Signature _____ DATE / TIME APPROVED _____ / _____
Approved Prior to Release by ED / ERM (Circle One)

Verification State of Wisconsin (Duty Officer) _____ Time _____
Call Backs Manitowoc Cnty (Emerg Gov Dir) _____ Time _____
 Kewaunee Cnty (Emerg Gov Dir) _____ Time _____

DEC 15 1999

Completion Instructions

(NOTE: This side not to be transmitted by fax.)

Roll-Call

Area -

Provides a quick check-off when off-site dispatchers pickup for a notification call.

Box

The words "an Actual Event" OR "a Drill" should be clearly circled. This is the opening "Message Start" - statement to be made by the Notifier or Communicator when all off-site recipients are available on the line.

Box #1 -

Blacken or check the appropriate circle. This box denotes whether the event is a real event, a simulated event, or the termination of an event. For actual events, both A & D may be checked if the event is terminated prior to declaration and notification. In this case, 2 times and dates must be included in box #4.

Box #2 -

Only one option here for us. The State form has all other plants listed.

Box #3 -

Blacken or check the appropriate circle for the appropriate event that is being communicated.

Box #4 -

This is a Two-Part box. Each part must be completed with the time and date the event level was positively identified. The "EAL Chart" letter will aid the State technical people review our classification criteria. Each part may be used separately or together if an event has a short duration such that the EAL parameter is exceeded and immediately removed. Therefore, the event may be initiated and terminated all in the same event notice. In this case, both A & D should be checked in box #1.

Box #5 -

Blacken or check the appropriate circle based on the information available at the time. This box provides a quick status of the radiological release impact of the event being experienced.

Box #6 -

Blacken or check the appropriate circle based on what is known about the type of radiological release that is in progress, has the potential to occur, or has terminated.

Box #7 -

Write in the 10-meter wind direction directly off of the plant monitors. Determine the "ONE" downwind sector to which the wind direction instrument reading is pushing the plume. Choose the sector letter that falls between the instrument wind direction in degrees below.

11	33.5	56	78.5	101	123.5	146	168.5	191	213.5	236	258.5	281	303.5	326	348.5	11
K	L	M	N	P	Q	R	A	B	C	D	E	F	G	H	J	

Box #8 -

Blacken or check the circle and write in the 10-meter wind speed.

Area #9 -

Blacken or check the circle as directed by procedure EPIP-AD-19. For events less than a General Emergency, only circle "A" should be checked. For items "D" or "E," the three downwind sectors affected should be put here. The three sectors include the sector of the center line wind direction (see box #7) and the sector on either side. Item "F" provides space for any other recommendation we may have based on known plant or local area conditions.

Area #10 -

This space should be completed with a "BRIEF" statement on the nature of the event. The EAL Chart title from box #4 may be adequate. Avoid the use of acronyms.

Area #11 -

The person transmitting this information should write in their name and read the statement.

Box

This is the closing statement and the point at which we request the State to "Repeat Back" the information transmitted. This provides a second check by all parties to ensure accuracy.

Approval -

Notifiers and Communicators "MUST NOT" transmit any event notice "UNLESS" an ED or ERM has signed, dated, and timed the approval of the information.

Verification
Call Backs -

Record the "name" of the state or county official and the "time" at which that official calls back to verify the emergency declaration is valid. After the State and county dispatchers hang up, they will contact their respective duty officers. These duty officers will then call back to the plant using the "Government Verification Phone" line to verify the declaration and possibly ask for more information.