



NRC-00-027

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

March 23, 2000

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,

A handwritten signature in black ink, appearing to read "Mark L. Marchi".

for
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.

A045

KEWAUNEE NUCLEAR POWER PLANT

March 21, 2000

EMERGENCY PLAN IMPLEMENTING PROCEDURES TRANSMITTAL FORM

RETURN TO DIANE FENCL - KNPP

OUTSIDE AGENCY COPIES (1-20)

- T. Webb - NRC Document Control Desk (1)*
- T. Webb - NRC Region III (2 & 3)*
- T. Webb - NRC Resident Inspector (4) (receives Appx. A phone numbers)*
- T. Webb - State of Wisconsin (5)*
- T. Webb - KNPP QA Vault w/NRC Letter (15)*
- Bob Hayden - Wisconsin Electric Power Co. (10)
- Craig Weiss - Wisconsin Power & Light (11)

PERSONAL COPIES (21-40) These copies are for the personal use of the listed individuals for reference or emergency response.

- | | | | |
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| T. Keneklis (30) | D. Masarik (32) | D. Seebart (24) | B. Bartelme (34) |
| J. Bennett (33) | D. Mielke (35) | J. Mueller (13) | K. Weinbauer (28) |

REFERENCE COPIES - CUSTODIAN (41-100) These copies are for general reference by anyone. They are distributed throughout the plant and corporate offices. The named individual is the responsible custodian for the procedures and shall insure they are properly maintained.

- | | |
|--|--|
| STF (86, 87, 88) | LOREB - STF (62, 67, 68, 70, 72, 73, 74) |
| L. Duggan - Fuel Services (65) | STF Library (43) |
| QP Library - KNPP (59) | Resource Center (82, 89, 94, 131) |
| C. Sternitzky - ATF-2 (44) | D. Schrank - Maintenance Off. (41) |
| D. Braun - Admin. Bldg. Upper (45) | M. Anderson - CR/SS Office (51, 56) |
| P. Ehlen - I&C Office (42) | L. Renier-Hicks - GB-D2 Nuclear (84) |
| M. Mowrer - Security Building (46) | J. Mueller - TSC (50) |
| L. Renier-Hicks - GB-D2 Nuclear EOF (77) | C. Long - RAF (53) |
| J. Mueller - OSF (52) | C. Long - SBF/EMT (54) |
| C. Hutter - ATF-1 (64) | C. Long - RPO (55) |
| LOREB - ATF-1 (66) | |

WORKING COPIES (101-199) These copies of procedures are kept in the areas designated for use in response to an emergency. These are not complete sets, but contain only those procedures that are used to implement activities in the location where they are kept. Please dispose of any sections distributed that are not tabbed in the indicated copy.

- | | |
|---|---|
| C. Long - RAF/RPO (106, 107) | M. Anderson - CR/Communicator (116)(Partial Distribution) |
| C. Long - SBF/ENV (108, 109) | Simulator/Communicator (117) |
| C. Long - SBF/EM Team (110, 111, 111A) | J. Fletcher - Security (121) |
| C. Long - T. R. Hospital (118, 119) | N. Deda - Security Building (120) |
| W. Flint - Cold Chem/HR Sample Room (113) | K. Evers (125) |
| N. Deda - SBF/SEC (114) | J. Stoeger (126) |

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.**

KEWAUNEE NUCLEAR POWER PLANT
 REVISION OF EMERGENCY PLAN IMPLEMENTING PROCEDURES
 March 21, 2000

Please follow the directions listed below. If you have any questions regarding changes made to the EIPs, please contact Dave Seebart at ext. 8719. If you are a controlled copy holder (see cover page), return this page to Diane Fencl by April 21, 2000. SIGNED AND DATED to serve as a record of revision.

| DELETE | | INSERT | |
|---------------|------|---------------|------|
| PROCEDURE | REV. | PROCEDURE | REV. |
| EPIP-APPX-A-2 | BE | EPIP-APPX-A-2 | BF |
| EPIP-APPX-A-3 | BG | EPIP-APPX-A-3 | BH |
| | | | |
| | | | |

I CERTIFY Copy No. _____ (WPSC No.) of the
 Kewaunee Nuclear Power Plant's EIPs has been
 updated.

 SIGNATURE

 DATE

Please return this sheet to *DIANE FENCL*.

Diane Fencl
 Diane Fencl

Enclosure

EMERGENCY PLAN IMPLEMENTING PROCEDURES

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| EP-AD-1 | Plant Personnel Response to an Emergency | E | 03-16-99 |
| EPIP-AD-02 | Emergency Class Determination | Z | 03-07-2000 |
| EP-AD-3 | KNPP Response to an Unusual Event | Z | 01-19-99 |
| EP-AD-4 | KNPP Response to Alert or Higher | AA | 01-19-99 |
| EP-AD-5 | Site Emergency | Deleted | 04-27-87 |
| EP-AD-5 | Emergency Response Organization Shift Relief Guideline | A | 10-13-98 |
| EP-AD-6 | General Emergency | Deleted | 04-24-87 |
| EPIP-AD-07 | Initial Emergency Notifications | AK | 02-01-2000 |
| EP-AD-8 | Notification of Alert or Higher | Deleted | 02-26-96 |
| EP-AD-9 | Notification of Site Emergency | Deleted | 04-27-87 |
| EP-AD-10 | Notification of General Emergency | Deleted | 04-27-87 |
| EP-AD-11 | Emergency Radiation Controls | P | 08-10-99 |
| EP-AD-12 | Personnel Assembly and Accountability | Deleted | 03-26-94 |
| EP-AD-13 | Personnel Evacuation | Deleted | 04-25-94 |
| EP-AD-13A | Limited Area Evacuation | Deleted | 03-01-83 |
| EP-AD-13B | Emergency Assembly/Evacuation | Deleted | 03-01-83 |
| EP-AD-13C | Site Evacuation | Deleted | 03-01-83 |
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| EPIP-AD-15 | Recovery Planning and Termination | M | 01-18-2000 |
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| EP-AD-17 | Communications | Deleted | 03-05-84 |
| EP-AD-18 | Potassium Iodide Distribution | M | 07-25-97 |
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| EP-ENV-3A | Environmental Protection Director Actions and Directives | Deleted | 09-26-84 |
| EP-ENV-3B | EM Team Actions | Deleted | 09-26-84 |
| EPIP-ENV-03C | Dose Projection Using RASCAL Version 2.2 Software | U | 02-16-2000 |
| EP-ENV-3D | Revision and Control of ISODOSE II | Deleted | 02-14-95 |
| EP-ENV-3E | Manual Determination of X/Q | Deleted | 04-24-87 |
| EP-ENV-3F | Manual Determination of X/Q (Green Bay Meteorological Data) | Deleted | 05-30-86 |
| EP-ENV-3G | Manual Dose Projection Calculation | Deleted | 06-02-89 |
| EP-ENV-3H | Protective Action Recommendations | Deleted | 04-13-90 |
| EP-ENV-4A | Portable Survey Instrument Use | R | 02-23-99 |
| EP-ENV-4B | Air Sampling and Analysis | U | 02-23-99 |
| EP-ENV-4C | Environmental Monitoring Teams | Deleted | 04-13-90 |
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| EP-ENV-4D | Plume Tracking for Environmental Monitoring Teams | L | 02-23-99 |
| EP-ENV-5A | LCS-1 Operation | Deleted | 04-14-86 |
| EP-ENV-5B | MS-3 Operation | Deleted | 04-14-86 |
| EP-ENV-5C | SAM II Operation | Deleted | 04-14-86 |
| EP-ENV-5D | PAC-4G (Alpha Counter) Operation | Deleted | 04-14-86 |
| EP-ENV-5E | Reuter-Stokes Operation | Deleted | 08-27-85 |
| EP-ENV 6 | Data Analysis, Dose Projections and Protective Action Recommendations | Deleted | 12-21-81 |
| EP-ENV-6 | Alternate Sample Analysis and Relocation of EM Team | Deleted | 04-14-86 |
| EP-ENV-6A | Relocation of Site Access Facility (Habitability) | Deleted | 03-23-84 |
| EP-ENV-6B | SAF Environmental Sample Analysis Relocation | Deleted | 03-23-84 |
| EP-ENV-7 | Site Access Facility Communications | Deleted | 09-26-84 |
| EP-ENV-8 | Total Population Dose Estimate Calculations | Deleted | 04-14-86 |

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| EP-EOF-4 | Corporate Action for Alert or Higher | AE | 03-16-99 |
| EP-EOF-5 | Corporate Staff Action for Site Emergency | Deleted | 04-24-87 |
| EP-EOF-6 | Corporate Staff Action for General Emergency | Deleted | 04-24-87 |
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| EP-OSF-2 | Operational Support Facility Operations | R | 07-27-99 |
| EP-OSF-3 | Work Requests During an Emergency | M | 09-21-99 |
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| EP-RET-2A | RPO - RAF Activation | Q | 07-27-99 |
| EP-RET-2B | Gaseous Effluent Sample and Analysis | Q | 03-03-98 |
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| EP-RET-2E | Handling of Injured Personnel | Deleted | 04-16-96 |
| EP-RET-2F | Personnel Decontamination | Deleted | 04-13-90 |
| EPIP-RET-03 | Chemistry Emergency Team | O | 02-01-2000 |
| EP-RET-3A | Liquid Effluent Release Paths | K | 01-12-99 |
| EP-RET-3B | Post-Accident Reactor Coolant Alternate Sampling Procedure | Deleted | 01-25-88 |
| EP-RET-3C | Post Accident Operation of the High Radiation Sample Room | O | 01-18-2000 |
| EP-RET-3D | Containment Air Sampling Analysis Using CASP | M | 01-18-2000 |
| EP-RET-3E | Post Accident Operation of High Rad Sample Room Inline Multiported Count Cave | Deleted | 08-27-85 |
| EP-RET-4 | SBF Activation | P | 07-27-99 |
| EP-RET-4A | EOF Radiological Monitoring | Deleted | 03-10-83 |
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| EP-RET-4C | Site Radiological Monitoring | Deleted | 07-12-94 |
| EP-RET-4D | SAM-II Operation | Deleted | 07-12-94 |
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| EP-TSC-5 | Technical Support Center Communications Equipment | Deleted | 04-24-87 |
| EP-TSC-6 | Assessment of Reactor Core Damage | Deleted | 09-30-86 |
| EPIP-TSC-07 | RV Head Venting Time Calculation | H | 03-07-2000 |
| EPIP-TSC-08A | Calculations for Steam Release from Steam Generators | M | 03-07-2000 |
| EPIP-TSC-08B* | STMRLS Computer Program | E | 03-07-2000 |
| EP-TSC-8C* | See EP-TSC-8B | Deleted | 04-16-92 |
| * EP-TSC-8B was totally deleted; therefore, EP-TSC-8C was changed to EP-TSC-8B | | | |

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| EP-TSC-9A* | Core Damage Assessment | I | 02-23-99 |
| EPIP-TSC-09B* | CORE Computer Program | I | 03-07-2000 |
| EP-TSC-9C* | See EP-TSC-9B | Deleted | 04-16-92 |
| * EP-TSC-9A, Rev. D was totally deleted; therefore, EP-TSC-9B became EP-TSC-9A. EP-TSC-9B was previously EP-TSC-9C. | | | |
| EP-TSC-10 | Technical Support for IPEOP's | G | 04-01-99 |

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| APPX-A-6 | EP-FIG-005 | Floor Plan - Site Boundary Facility | ORIG | 03-03-98 |
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| EP-AD-19 | EP-FIG-014 | Population Distribution by Geographical Sub-Areas | ORIG | 06-23-98 |
| APPX-A-6 | EP-FIG-022 | Floor Plan - EOF | A | 08-10-99 |
| EP-EOF-12 | EP-FIG-024 | Map - Location of JPIC, MBC, GOB, DOB, etc. | ORIG | 08-04-98 |
| EP-SEC-5 | EP-FIG-026 | Site Map | A | 07-21-98 |
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| EP-OSF-2 | EP-FIG-039 | High Priority Work | ORIG | 07-08-98 |
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| APPX-A-6 | EP-FIG-043 | JPIC - Federal Work Area | ORIG | 08-04-98 |
| APPX-A-6 | EP-FIG-044 | JPIC - State and County Work Area | ORIG | 08-04-98 |
| APPX-A-6 | EP-FIG-045 | JPIC - Utility Work Area | ORIG | 08-04-98 |

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| EPIP-APPX-A-2 | Response Personnel Call List | BF | 03-21-2000 |
| EPIP-APPX-A-3 | Off-Site Telephone Numbers | BH | 03-21-2000 |
| APPX-A-6 | WPSC Emergency Response Facility Telephone Listing | V | 08-04-98 |

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| AD 11.1 | Emergency Radiation Work Permit | F | 04-16-96 |
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| ENV 1.2 | EMT Status | A | 09-03-96 |
| ENV 1.3 | Meteorological and Plant Status Data | A | 09-03-96 |
| ENV 1.4 | EMT Orders/Field Data | A | 09-03-96 |
| ENV 2 | EMT Activation Checklist | L | 02-23-99 |
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| EOF 2.2 | EOF Deactivation Checklist | J | 09-21-99 |
| EOF 4.1 | SRCL Initial Action Checklist | B | 09-16-97 |
| EOF 4.2 | Telephone Communications Log Sheet | ORIG | 04-16-96 |
| EOF 8.3 | Fax for Emergency Declaration or Status Updates | F | 09-21-99 |
| EOF 8.5 | Plant Emergency Status Report | ORIG | 02-21-95 |
| EOF 8.6 | Radiological Status Report | C | 03-14-97 |
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| EOF 11.3 | Environmental Status Board | E | 07-31-95 |
| EOF 12.1 | I.D. Badge Registration Form | F | 08-04-98 |
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| OSF 3 | Operational Support Facility Team Briefing | A | 02-14-95 |
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| RET 2B.1 | Containment Stack Release (Grab Sample) | C | 04-16-96 |
| RET 2B.2 | Auxiliary Building Stack (Grab Sample) | C | 04-16-96 |

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| RET 8.5 | Hospital Survey 3 | Deleted | 07-25-97 |
| RET 8.6 | Hospital Survey 4 | E | 07-25-97 |
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| TSC 1.2 | Severe Accident Management Summary and Strategy Recommendation | A | 04-01-99 |
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| TSC 3.1 | Plant System Status | K | 02-14-95 |
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| TSC 3.4 | Radiation Monitors | G | 02-14-95 |
| TSC 4.1 | Emergency Design Change Request | E | 08-04-98 |
| TSC 4.2 | Emergency Physical Change Safety Review | E | 08-04-98 |
| TSC 4.3 | Emergency Physical Change Index | E | 08-04-98 |

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| TSC 8A.1 | Steam Release Data Sheet (Energy Balance) | G | 02-14-95 |
| TSC 8A.2 | Steam Release Calculation Sheet (Energy Balance) | F | 02-14-95 |
| TSC 8A.3 | Steam Release Data/Calculation Sheet (Open Valve) | D | 02-14-95 |
| TSC 8A.4 | Steam Release Data/Calculation Sheet (STMRLS Program) | C | 04-16-96 |
| TSC 9A.1 | Core Damage Based on Reactor Vessel Level & Fuel Rod Temp. | C | 02-14-95 |
| TSC 9A.2 | Core Damage Based on Radiation Monitors | C | 02-14-95 |
| TSC 9A.3 | Cs-134 and Cs-137 PCF Determination | D | 04-16-96 |
| TSC 9A.4 | Core Damage Based on Activity Ratios | C | 02-14-95 |
| TSC 9A.5 | Core Damage Assessment (Monitoring Data) | D | 04-16-96 |
| TSC 9A.6 | Core Damage Summary | C | 02-14-95 |

| | | |
|--|---|---|
| WISCONSIN PUBLIC SERVICE CORP. Kewaunee Nuclear Power Plant <i>Emergency Plan Implementing Procedure</i> | No. EPIP-APPX-A-2 | Rev. BF |
| | Title Response Personnel Call List | |
| | Date MAR 21 2000 | Page 1 of 3 |
| Reviewed By <i>Jeanne M. Ferris</i> | Approved By <i>David R. Loebant</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 EIPs.

| | | | | |
|--|--------------|------------------------------|--------------------|----|
| WISCONSIN PUBLIC SERVICE CORP. Kewaunee Nuclear Power Plant <i>Emergency Plan Implementing Procedure</i> | No. | EPIP-APPX-A-2 | Rev. | BF |
| | Title | Response Personnel Call List | | |
| | Date | MAR 21 2000 | 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 |
|-------------|--------------------|----------------------|----------------------|-------------------|-------------------|------------------|
|-------------|--------------------|----------------------|----------------------|-------------------|-------------------|------------------|

**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 |
|----------------------|-------------|--------------------|-----------------------|-------------------|-------------------|------------------|
|----------------------|-------------|--------------------|-----------------------|-------------------|-------------------|------------------|

**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 |
|-----------------|--------------------|----------------------|----------------------|-------------------|-------------------|
|-----------------|--------------------|----------------------|----------------------|-------------------|-------------------|

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. | | No. EPIP-APPX-A-3 | Rev. BH |
| Kewaunee Nuclear Power Plant | | Title Off-Site Telephone Numbers | |
| <i>Emergency Plan Implementing Procedure</i> | | Date MAR 21 2000 | Page 1 of 7 |
| Reviewed By <i>Joanne M. Ferris</i> | | Approved By <i>Rene 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 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.

2.0 General Notes

- 2.1 This Appendix may be used as a reference document for any declared emergency. If a listing of KNPP 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 EPIPs.

7.0 References

- 7.1 EPMP-05.03, Telephone Number Quarterly Review
- 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)

| | | | | |
|--|--------------|----------------------------|--------------------|----|
| WISCONSIN PUBLIC SERVICE CORP. Kewaunee Nuclear Power Plant <i>Emergency Plan Implementing Procedure</i> | No. | EPIP-APPX-A-3 | Rev. | BH |
| | Title | Off-Site Telephone Numbers | | |
| | Date | MAR 21 2000 | Page 2 of 7 | |

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

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