NMC
Committed to Nuclear Excellence

Kewaunee Nuclear Power Plant
N490 Highway 42
Kewaunee, WI 54216-9511
920 388 2560

Point Beach Nuclear Plant
6610 Nuclear Road
Two Rivers, WI 54241
920.755 2321

Kewaunee / Point Beach Nuclear
Operated by Nuclear Management Company, LLC

NRC-02-097

October 22, 2002

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, attached is the latest revisions to the Kewaunee Nuclear Power Plant Radiological Emergency Response Plan Implementing Procedures (EPIPs). 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,

Thomas J. Webb
Regulatory Affairs Manager

SLC

Attachment

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

A045

DOCUMENT TRANSMITTAL

KEWAUNEE NUCLEAR POWER PLANT

FROM: DIANE FENCL - KNPP TRANSMITTAL DATE 10-17-2002

EMERGENCY PLAN IMPLEMENTING PROCEDURES TRANSMITTAL FORM

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 (NRC Letter & Memo Only) (15)*
Krista Kappelman - PBNP - EP (10)*
Craig Weiss - Alliant Energy (11)*
Jill Stern - Nuclear Management Company (12)*

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

J. Bennett (33) D. Seebart (24) J. Ferris (13) T. Coutu (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.

NO Library - KNPP (59)
C. Sternitzky - ATF-2 (44)
M. Daron - Security Building (46)
C. Grant - EOF (81)
C. Grant - OSF (52)
LOREB - STF (62, 66, 67, 68, 70, 72, 73, 74)
STF Library (43)
Resource Center - Training (82)
D. Krall - CR/SS Office (51, 56)
C. Grant - TSC (50)
W. Galarneau - RAF (53)
W. Galarneau - SBF/EMT (54)
W. Galarneau - RPO (55)
STF (86, 87, 88)

WORKING COPIES (101-199) These copies of procedures are kept in the areas designated for use in response to an emergency.

W. Galarneau - RAF/RPO (106, 107)
W. Galarneau - SBF/ENV (108, 109)
W. Galarneau - SBF/EM Team (110, 111, 111A)
W. Flint - Cold Chem/HR Sample Room (113)
M. Kuether - SBF/SEC (114)
D. Krall - CR/Communicator (116)(Partial Distribution)
Simulator/Communicator (117)
M. Fencl - Security (121)
M. Kuether - Security Building (120)
Ops Admin. (126)
~~C. Grant - TSC Response Binder (Partial Distribution)~~
~~C. Grant - EOF Response Binder (Partial Distribution)~~

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
October 17, 2002

Please follow the directions listed below. If you have any questions regarding changes made to the EPIPs, please contact Dave Seebart at ext. 8719.

EPIP Index, dated 10-17-2002.

REMOVE		INSERT	
PROCEDURE	REV.	PROCEDURE	REV.
EPIP-RET-04	S	EPIP-RET-04	T

Return a signed and dated copy of this transmittal letter, within 10 days of transmittal date, to the sender. If you have any questions or comments, please contact Dave Seebart at ext. 8719.

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

_____
SIGNATURE DATE

Please return this sheet to *DIANE FENCL.*

Diane Fencl

Enclosure

EMERGENCY PLAN IMPLEMENTING PROCEDURES

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EPIP-AD-03	KNPP Response to an Unusual Event	AF	06-20-2002
EPIP-AD-04	KNPP Response to Alert or Higher	AK	08-20-2002
EP-AD-5	Site Emergency	**Deleted**	04-27-87
EPIP-AD-05	Emergency Response Organization Shift Relief Guideline	D	05-09-2002
EP-AD-6	General Emergency	**Deleted**	04-24-87
EPIP-AD-07	Initial Emergency Notifications	AR	06-20-2002
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* EP-TSC-8B was totally deleted; therefore, EP-TSC-8C was changed to EP-TSC-8B			
EP-TSC-9	Core Damage Assessment Using Released Radionuclides	**Deleted**	09-30-86
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* EP-TSC-9A, Rev. D was totally deleted; therefore, EP-TSC-9B became EP-TSC-9A. EP-TSC-9B was previously EP-TSC-9C.			
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RET-02B-01	Containment Stack Release (Grab Sample)	D	08-06-2002
RET-02B-02	Auxiliary Building Stack (Grab Sample)	D	08-06-2002
RET-02B-03	Auxiliary Building Stack (Sping Reading)	D	08-06-2002
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RET-02B-06	Field Reading (Grab Sample)	B	08-06-2002
RET-04-01	SAM-2 Counting Equipment Worksheet	E	06-12-2001
RET 8.3	Hospital Survey 1	**Deleted**	06-05-2001
RET 8.4	Hospital Survey 2	**Deleted**	07-25-97
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TSC-03-04	Radiation Monitors	I	01-08-2002
TSC-04-01	Emergency Physical Change Request	G	05-09-2002
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TSC-04-03	Emergency Physical Change Index	F	08-29-2000
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TSC-08A-01	Steam Release Data Sheet (Energy Balance)	H	12-14-2001
TSC-08A-02	Steam Release Calculation Sheet (Energy Balance)	G	12-14-2001
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TSC-08A-04	Steam Release Data/Calculation Sheet (STMRLS Program)	D	12-14-2001
TSC-09A-01	Core Exit Thermocouple Data	D	05-16-2002
TSC-09A-02	Fuel Rod Clad Damage Estimate	D	05-16-2002
TSC-09A-03	Fuel Rod Overtemperature Damage Estimate	E	05-16-2002
TSC 9A.4	Core Damage Based on Activity Ratios	**Deleted**	05-16-2002
TSC-09A-05	Core Damage Assessment (Monitoring Data)	E	05-16-2002
TSC 9A.6	Core Damage Summary	**Deleted**	05-16-2002

WISCONSIN PUBLIC SERVICE CORP.	No. EPIP-RET-04	Rev. T
Kewaunee Nuclear Power Plant	Title SBF Activation	
Emergency Plan Implementing Procedure	Date OCT 17 2002	Page 1 of 4
Reviewed By Wayne Galarneau	Approved By W. L. Yarosz	

Nuclear Safety Related	☐ Yes ☑ No	PORC Review Required	☐ Yes ☑ No	SRO Approval Of Temporary Changes Required	☐ Yes ☑ No

1.0 Purpose

1.1 This procedure provides instruction for the steps to be taken to fully activate the Site Boundary Facility (SBF).

2.0 General Notes

2.1 None

3.0 Precautions and Limitations

3.1 None

4.0 Initial Conditions

4.1 The Environmental Monitoring Team (EMT) has been activated.

5.0 Procedure

5.1 Site Boundary Facility (SBF) Coordinator

5.1.1 At the declaration of an Alert or higher, the first available Radiation Protection Technologist in the Radiation Protection Office/Radiological Assessment Facility (RPO/RAF) will perform the following activities to activate the SBF:

1. Obtain the keys to the facility doors and cabinets from the RPO.
2. Take copies of the current crew dose and deliver to the EMTs.
3. Report to the SBF and open the facility.
4. Assume the duties of the Site Boundary Facility Coordinator.
5. Activate the SBF as described below.

5.2 Facility Activation

5.2.1 Source check the portable survey instrument.

5.2.2 Perform background and efficiency checks on the counting equipment and record on appropriate counting worksheets.

5.2.3 Set up the PPM-1 Portal Monitor in accordance with HP-06.085, "Instrument Operating Procedure - PPM-1 Portable Personnel Monitor."

5.2.4 Perform radiation and contamination surveys at the SBF to establish base line radiological conditions.

5.2.5 Assist the Emergency Monitoring Teams with set-up or replacement of instrumentation as requested.

5.2.6 Notify the Radiation Protection Director (RPD) that the SBF is activated.

5.2.7 IF conditions change, THEN update the RPD with the status of radiological conditions at the SBF.

Note

The SAM-2 is used as a back-up counting system (single channel analyzer) in case the MCA in the plant is NOT operable or silver zeolite cartridges can NOT be counted by MCA at the Point Beach Nuclear Plant to determine Iodine-131 concentrations.

5.2.8 The SAM-2 is maintained in a "powered-up" and "ready-to-go" condition at all times with only the display turned off. (IF this is NOT the case, THEN set up the SAM-2 in accordance with HP-06.007, "Instrument Operating Procedure - SAM-2.")

5.2.9 If needed, use the SAM-2 to determine Iodine-131 concentrations.

5.3 Dosimetry

5.3.1 IF arriving ERO personnel do NOT have plant issued dosimetry, THEN issue emergency dosimetry stored in the SBF.

5.3.2 For EMT members that will monitor the plume, direct them to read their dosimeters as follows:

5.3.2.1 IF a release occurs OR is in progress, THEN read dosimeters at a minimum of every 15 minutes, more often as radiation levels dictate.

5.3.2.2 Advise the RPO/RAF (or Emergency Operations Facility (EOF) when activated) of dosimeter readings every hour OR when 100 mrem is accumulated.

5.3.3 Instruct personnel remaining in the SBF to perform the following:

1. Periodically monitor their Self Reading Dosimeters (SRDs).
2. Report dose readings of 100 mrem to the SFB Coordinator.
3. IF the dosimeter reads ¾ scale or greater, THEN have the dosimeter re-zeroed by the SBF Coordinator.

4. Log the dose on Form EPIPF-SEC-04-01 "Emergency Dosimetry Log Security."
5. Report dose increments of 100 mrem to the RPD.

5.4 SBF Radiation Surveys

5.4.1 If the SBF should become contaminated, then follow normal RP procedures to prevent the spread of contamination.

5.4.2 IF advised that a release is in progress OR has occurred, THEN perform radiation surveys of the SBF.

5.4.3 Advise the RPD immediately of elevated radiation or contamination readings in the SBF.

5.5 SBF Relocation

5.5.1 IF the SBF becomes uninhabitable OR ineffective due to radiation levels or contamination, THEN contact the ED or RPD and consider relocation of the SBF.

5.5.2 If relocation is deemed necessary, then determine the new location of the SBF.

5.5.3 Collect the following and move it to the new SBF location:

- All Portable Instruments
- TLDs and TLD issue sheets
- Status Board Sheets
- Radios and associated equipment
- Potassium Iodide Tablets
- Emergency Plan and Emergency Plan Implementing Procedures
- Dosimeters and Changers
- Swipe packets
- Phone lists
- Calculator
- Step-off Pads
- Rad Bags
- Lab coats
- Gloves
- Shoe covers

5.5.4 Report to the new location.

5.5.5 Set up instruments and radiological controls.

5.5.6 Inform the RPD when the SBF has been relocated and re-established.

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 EPIP-AD-04, KNPP Response to Alert or Higher

7.2 HP-06.007, Instrument Operating Procedure - SAM-2

7.3 HP-06.085, Instrument Operating Procedure - PPM-1 Portable Personnel Monitor

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

- Counting System Worksheet, Form HPF-100 (i.e., MS-3)
- SAM-2 Counting Equipment Worksheet, Form EPIPF-RET-04-01
- Emergency Dosimetry Log Security, Form EPIPF-SEC-04-01

8.1.2 Non-QA Records

None