



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



Operated by  
 Nuclear Management Company, LLC

May 7, 2001

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, Nuclear Management Company, LLC 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,

Thomas J. Webb  
 Site Licensing Director

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, w/attach.

A045



**KEWAUNEE NUCLEAR POWER PLANT  
 REVISION OF EMERGENCY PLAN IMPLEMENTING PROCEDURES  
 May 4, 2001**

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 June 4, 2001, SIGNED AND DATED to serve as a record of revision.

**EPIP Index, dated 05-04-2001.**

DELETE		INSERT	
PROCEDURE	REV.	PROCEDURE	REV.
EPIP Form TSC 2.3	F	Form EIPF-TSC-02-03	G

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

## INDEX

DATE: 05-04-2001

PROC. NO.	TITLE	REV.	DATE
<b>EP-AD</b>			
EPIP-AD-01	Personnel Response to the Plant Emergency Siren	F	03-28-2000
EPIP-AD-02	Emergency Class Determination	Z	03-07-2000
EPIP-AD-03	KNPP Response to an Unusual Event	AB	03-20-2001
EPIP-AD-04	KNPP Response to Alert or Higher	AC	03-20-2001
EP-AD-5	Site Emergency	Deleted	04-27-87
EPIP-AD-05	Emergency Response Organization Shift Relief Guideline	B	08-29-2000
EP-AD-6	General Emergency	Deleted	04-24-87
EPIP-AD-07	Initial Emergency Notifications	AM	01-30-2001
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
EP-AD-14	Search and Rescue	Deleted	05-25-94
EPIP-AD-15	Recovery Planning and Termination	N	08-29-2000
EP-AD-16	Occupational Injuries or Vehicle Accidents During Emergencies	Deleted	03-14-97
EP-AD-17	Communications	Deleted	03-05-84
EPIP-AD-18	Potassium Iodide Distribution	N	06-01-2000
EPIP-AD-19	Protective Action Guidelines	P	10-31-2000
<b>EP-ENV</b>			
EPIP-ENV-01	Environmental Monitoring Group Organization and Responsibilities	U	10-31-2000
EPIP-ENV-02	Environmental Monitoring Team Activation	W	06-15-2000

# INDEX

DATE: 05-04-2001

PROC. NO.	TITLE	REV.	DATE
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
EPIP-ENV-04A	Portable Survey Instrument Use	S	06-15-2000
EPIP-ENV-04B	Air Sampling and Analysis	V	09-12-2000
EP-ENV-4C	Environmental Monitoring Teams	Deleted	04-13-90
EPIP-ENV-04C	Ground Deposition Sampling and Analysis	V	09-12-2000
EPIP-ENV-04D	Plume Tracking for Environmental Monitoring Teams	M	09-12-2000
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

# EMERGENCY PLAN IMPLEMENTING PROCEDURES

## INDEX

DATE: 05-04-2001

PROC. NO.	TITLE	REV.	DATE
<b>EP-EOF</b>			
EP-EOF-1	Corporate Emergency Response Organization	<b>Deleted</b>	03-11-94
EPIP-EOF-2	Emergency Operations Facility (EOF) Activation	X	10-24-2000
EPIP-EOF-03	Corporate Action for Unusual Event	Z	06-01-2000
EPIP-EOF-04	Corporate Action for Alert or Higher	AF	06-01-2000
EP-EOF-5	Corporate Staff Action for Site Emergency	<b>Deleted</b>	04-24-87
EP-EOF-6	Corporate Staff Action for General Emergency	<b>Deleted</b>	04-24-87
EP-EOF-7	Notification of Unusual Event	<b>Deleted</b>	04-06-94
EP-EOF-8	Relocation of EOF	<b>Deleted</b>	03-01-83
EPIP-EOF-08	Continuing Emergency Notifications	S	09-26-2000
EP-EOF-9	Interface with Support Organizations	<b>Deleted</b>	03-05-84
EP-EOF-9	Notification of Site Emergency	<b>Deleted</b>	04-24-87
EP-EOF-10	Notification of General Emergency	<b>Deleted</b>	04-24-87
EPIP-EOF-11	Internal Communication and Documentation Flow	T	06-01-2000
EPIP-EOF-12	Media Center/Emergency Operation Facility/Joint Public Information Center Security	O	10-24-2000
<b>EP-OP</b>			
EP-OP-1	Control Room Emergency Organization	<b>Deleted</b>	04-24-87
EP-OP-2	Emergency Control Room Activation for Emergency Response	<b>Deleted</b>	04-24-87
EP-OP-3	Control Room Communications	<b>Deleted</b>	04-24-87
<b>EP-OSF</b>			
EP-OSF-1	Operation Support Facility Emergency Organization	<b>Deleted</b>	04-24-87
EPIP-OSF-02	Operational Support Facility Operations	S	08-29-2000
EPIP-OSF-03	Work Requests During an Emergency	N	09-12-2000
EP-OSF-4	Operational Support Facility Communications	<b>Deleted</b>	04-24-87
EPIP-OSF-04	Search and Rescue	D	09-12-2000

# EMERGENCY PLAN IMPLEMENTING PROCEDURES

## INDEX

DATE: 05-04-2001

PROC. NO.	TITLE	REV.	DATE
<b>EP-RET</b>			
EP-RET-1	Radiation Emergency Team Organization	Deleted	04-16-96
EP-RET-2	In-Plant Radiation Emergency Team	R	07-27-99
EP-RET-2A	RPO - RAF Activation	Q	07-27-99
EP-RET-2B	Gaseous Effluent Sample and Analysis	Q	03-03-98
EP-RET-2C	Containment Air Sampling and Analysis	Deleted	03-01-83
EP-RET-2D	Emergency Radiation Entry Controls and Implementation	L	07-27-99
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
EP-RET-4A	SBF Operation/Relocation	C	07-27-99
EP-RET-4B	Radiological Controls at Site Access Facility	Deleted	07-12-94
EP-RET-4C	Site Radiological Monitoring	Deleted	07-12-94
EP-RET-4D	SAM-II Operation	Deleted	07-12-94
EP-RET-5	Plume Projection	Deleted	09-26-84
EPIP-RET-05	Site Boundary Dose Rates During Controlled Plant Cooldown	G	07-18-2000
EP-RET-5A	Plume Projection	Deleted	04-27-87
EP-RET-6	Dose Projection	Deleted	04-24-87

# EMERGENCY PLAN IMPLEMENTING PROCEDURES

## INDEX

DATE: 05-04-2001

PROC. NO.	TITLE	REV.	DATE
EP-RET-7	Radiological Analysis Facility/Radiation Protection Office Communications	Deleted	04-24-87
EPIP-RET-08	Contamination Control of the Aurora Medical Center	O	06-15-2000
EPIP-RET-09	Post-Accident Population Dose	K	08-29-2000
<b>EP-SEC</b>			
EP-SEC-1	Security Organization	Deleted	04-24-87
EPIP-SEC-02	Security Force Response to Emergencies	V	10-31-2000
EP-SEC-2A	Manual Activation of Emergency Sirens	Deleted	04-16-82
EPIP-SEC-03	Personnel Assembly and Accountability	X	03-28-2000
EPIP-SEC-04	Security Force Actions for Dosimetry Issue	O	02-16-2000
EP-SEC-5	Security Force Response to the EOF	Deleted	07-28-88
EPIP-SEC-05	Personnel Evacuation	E	02-16-2000
<b>EP-TSC</b>			
EP-TSC-1	Technical Support Center Organization and Responsibilities	O	04-01-99
EPIP-TSC-02	Technical Support Center Activation	R	07-18-2000
EP-TSC-3	Plant Status Procedure	T	07-21-98
EPIP-TSC-04	Emergency Physical Changes, Major Equipment Repair	L	08-29-2000
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			

**EMERGENCY PLAN IMPLEMENTING PROCEDURES****INDEX**

DATE: 05-04-2001

<b>PROC. NO.</b>	<b>TITLE</b>	<b>REV.</b>	<b>DATE</b>
EP-TSC-9	Core Damage Assessment Using Released Radionuclides	Deleted	09-30-86
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.			
EPIP-TSC-10	Technical Support for IPEOPs	I	03-20-2001

# EMERGENCY PLAN IMPLEMENTING PROCEDURES

## INDEX

DATE: 05-04-2001

FIGURES					
EPIP	FIG #	Figure EPIPPG	DESCRIPTION	REV.	DATE
EP-SEC-5 EPIP-APPX-A-06	EP-FIG-003	APPX-A-06-03	Technical Support Center - KNP Floor Plan	A	10-31-2000
EPIP-APPX-A-06	EP-FIG-005	APPX-A-06-02	Site Boundary Facility - KNP Floor Plan	A	10-31-2000
EPIP-APPX-A-06	EP-FIG-008	APPX-A-06-01	Radiological Analysis Facility - KNP Floor Plan	A	10-31-2000
EPIP-EOF-12 Form EPIPF-EOF-02-01	EP-FIG-009	EOF-12-01	Division Office Building (2nd Floor) Floor Plan	B	10-24-2000
EPIP-APPX-A-06	EP-FIG-012	APPX-A-06-08	State/County Work Area - WPSC D2-1 Floor Plan	C	10-31-2000
EPIP-APPX-A-06	EP-FIG-013	APPX-A-06-09	NRC Work Area - WPSC D2-4 Floor Plan	A	10-31-2000
EPIP-AD-19	EP-FIG-014	AD-19-01	Population Distribution by Geographical Sub-Areas (with sectors)	A	10-31-2000
EPIP-APPX-A-06	EP-FIG-022	APPX-A-06-04	EOF - WPSC D2-3 Floor Plan	B	10-31-2000
EPIP-EOF-12	EP-FIG-024	EOF-12-02	Map - Location of JPIC, MBC, GOB, DOB, etc.	A	10-24-2000
EP-SEC-5	EP-FIG-026		Site Map	A	07-21-98
APPX-A-6	EP-FIG-034	---	Floor Plan - Media Briefing Center	DEL	08-04-98
EPIP-EOF-12 EPIP-APPX-A-06	EP-FIG-035	APPX-A-06-06	General Office Building - WPSC (1st Floor) Floor Plan	C	10-24-2000
APPX-A-6	EP-FIG-037	---	Floor Plan - Corporate Response Center	DEL	08-04-98
APPX-A-6	EP-FIG-038	---	Floor Plan - JPIC	DEL	08-04-98
EP-OSF-2	EP-FIG-039		High Priority Work	ORIG	07-08-98
EP-OSF-2	EP-FIG-039A		Lower Priority Work	ORIG	07-08-98
EPIP-APPX-A-06	EP-FIG-043	APPX-A-06-10	JPIC - Federal Work Area - WPSC D2-9	A	10-31-2000
EPIP-APPX-A-06	EP-FIG-044	APPX-A-06-07	JPIC - State and County Work Area - WPSC D2-8	A	10-31-2000
EPIP-APPX-A-06	EP-FIG-045	APPX-A-06-05	JPIC - Utility Work Area - WPSC D2-7	A	10-31-2000
RET-08	EP-FIG-046	RET-08-01	Aurora Medical Center Location	A	06-15-2000
EPIP-APPX-A-02	---	APPX-A-02-01	ERO Call Tree	A	01-30-2001

# EMERGENCY PLAN IMPLEMENTING PROCEDURES

## INDEX

DATE: 05-04-2001

NUMBER	TITLE	REVISION	DATE
<b>APPENDIX A</b>			
APPX-A-1	Communication System Description	AF	08-04-98
EPIP-APPX-A-02	Response Personnel Call List	BJ	04-03-2001
EPIP-APPX-A-03	Off-Site Telephone Numbers	BK	04-03-2001
EPIP-APPX-A-06	WPSC Emergency Response Telephone Numbers	W	10-31-2000

# EMERGENCY PLAN IMPLEMENTING PROCEDURES

## INDEX

DATE: 05-04-2001

FORM EIPPF	TITLE	REV.	DATE
<b>APPENDIX B</b>			
<b>EP-AD</b>			
AD 7.1	Event Notice (Wisconsin Nuclear Accident Reporting Form)	P	02-01-2000
AD 7.2	State Call-Back - Question Guideline	B	04-16-96
AD 11.1	Emergency Radiation Work Permit	F	04-16-96
<b>EP-ENV</b>			
ENV-01-01	Environmental Dispatch Area Activation Checklist	D	10-31-2000
ENV-01-02	EMT Status	B	10-31-2000
ENV-01-03	Meteorological and Plant Status Data	B	10-31-2000
ENV-01-04	EMT Orders/Field Data	B	10-31-2000
ENV-02-01	EMT Activation Checklist	M	06-15-2000
<b>EP-EOF</b>			
EOF-02-01	EOF Activation Checklist	R	10-24-2000
EOF-02-02	EOF Deactivation Checklist	K	10-24-2000
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
EOF 11.2	Operating Status	E	02-14-95
EOF 11.3	Environmental Status Board	E	07-31-95
EOF-12-01	I.D. Badge Registration Form	G	10-24-2000
<b>EP-OSF</b>			
OSF 2.2	Maintenance Work in Progress	Deleted	07-08-98
OSF-03-01	Operational Support Facility Team Briefing	B	09-12-2000
<b>EP-RET</b>			
RET 2A.2	Emergency Sample Worksheet	D	04-16-96
RET 2B.1	Containment Stack Release (Grab Sample)	C	04-16-96
RET 2B.2	Auxiliary Building Stack (Grab Sample)	C	04-16-96

# EMERGENCY PLAN IMPLEMENTING PROCEDURES

## INDEX

DATE: 05-04-2001

FORM EPIPF	TITLE	REV.	DATE
RET 2B.3	Auxiliary Building Stack (Sping Reading)	C	04-16-96
RET 2B.4	Containment Stack (Sping Reading)	B	04-16-96
RET 2B.5	Steam Release	C	04-16-96
RET 2B.6	Field Reading (Grab Sample)	A	04-16-96
RET 4	SAM-II Counting Equipment Worksheet	D	04-16-96
RET 8.3	Hospital Survey 1	E	07-25-97
RET 8.4	Hospital Survey 2	Deleted	07-25-97
RET 8.5	Hospital Survey 3	Deleted	07-25-97
RET-08-06	Hospital Survey 4	F	06-15-2000
RET 9	Environmental TLD Record Sheet	C	02-14-95
<b>EP-SEC</b>			
SEC-03.01	Emergency Accountability Log	A	03-28-2000
SEC 4.1	Emergency Dosimeter Log	F	02-16-2000
<b>EP-TSC</b>			
TSC 1.1	Plant Status Summary for SAM Implementation	A	04-01-99
TSC 1.2	Severe Accident Management Summary and Strategy Recommendation	A	04-01-99
TSC 1.3	Severe Accident Management - Status	A	04-01-99
TSC 2.1	TSC and OSF Activation Checklist	N	04-01-99
TSC 2.2	TSC Ventilation Checklist	H	04-01-99
TSC-02-03	Emergency Response Data System (ERDS) Link Initiation Checklist	G	05-04-2001
TSC-02-04	TSC Chart Recorder Operation Checklist	D	01-30-2001
TSC 2.5	TSC and OSF De-activation Checklist	ORIG	04-01-99
TSC 3.1	Plant System Status	K	02-14-95
TSC 3.2	Plant Equipment Status	K	08-12-97
TSC 3.3	Environmental Status Board	I	04-16-96
TSC 3.4	Radiation Monitors	G	02-14-95
TSC-04-01	Emergency Physical Change Request	F	08-29-2000
TSC-04-02	Emergency Physical Change Safety Review	F	08-29-2000

# EMERGENCY PLAN IMPLEMENTING PROCEDURES

## INDEX

DATE: 05-04-2001

FORM EPIPF	TITLE	REV.	DATE
TSC-04-03	Emergency Physical Change Index	F	08-29-2000
TSC-07-01	Head Venting Calculation	F	10-31-2000
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

# EMERGENCY RESPONSE DATA SYSTEM (ERDS) LINK INITIATION CHECKLIST

## Note

*Initiation of ERDS shall be completed as soon as possible, but not more than one hour after the declaration of an event classified Alert or higher.*

- |  | <u>INITIALS</u> |
|--|-----------------|
| 1.0 Notify the WPS NRC Communicator prior to initiating ERDS.<br>(This is to ensure that ENS notification has been made to the NRC.) | _____           |
| 2.0 Direct the WPS NRC Communicator to notify the NRC duty officer or communicator that you are about to initiate ERDS.              | _____           |
| 3.0 At the Honeywell computer (KBN02) in the TSC:  | _____           |
| 3.1 Depress the keycap labeled "DATA LINK."  |                 |
| 3.2 Use the "TAB AHEAD" key to select "START DATA FLOW TO EMERGENCY SEND SYSTEM."  |                 |
| 3.3 Depress the "EXECUTE."   |                 |
| 4.0 At the ERDS computer in the TSC:   | _____           |
| 4.1 Depress any key to refresh the screen (if the display is blank).   |                 |
| 4.2 Use the mouse to position the arrow on the "INITIATE TRANSMISSION" button, then depress the left mouse button.                   |                 |
| 4.3 Verify the link has started by observing the ERDS status field on the display = "LINK ACTIVE."                                   |                 |

Notify the NRC duty officer or communicator that you have completed initiating ERDS. \_\_\_\_\_

Record date and time ERDS was established.      DATE \_\_\_\_\_ TIME \_\_\_\_\_