



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

Operated by
Nuclear Management Company, LLC



July 11, 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, 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,

A handwritten signature in black ink, appearing to read "T. Webb". The signature is written in a cursive, flowing style.

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

July 5, 2001

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)*
- Jim Holthaus - 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. Mielke (35)
- H. Kocourek (13)
- K. Hoops (28)
- D. Masarik (32)
- D. Seebart (24)
- B. Bartelme (34)

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)
- L. Duggan - Fuel Services (65)
- NO Library - KNPP (59)
- C. Sternitzky - ATF-2 (44)
- D. Braun - ATF-3 (45)
- P. Ehlen - I&C Office (42)
- M. Daron - Security Building (46)
- P&FS Adm - GB D2-3 (EOF) (81)
- H. Kocourek - OSF (52)
- C. Hutter - ATF-1 (64)
- LOREB - STF (62, 66, 67, 68, 70, 72, 73, 74)
- STF Library (43)
- Resource Center (82, 89, 94, 131)
- D. Schrank - Maintenance Off. (41)
- D. Krall - CR/SS Office (51, 56)
- P&FS Adm - GB-D2 (Nuclear Library) (84)
- H. Kocourek - TSC (50)
- W. Galarneau - RAF (53)
- W. Galarneau - SBF/EMT (54)
- T. Schmidli - RPO (55)

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.

- W. Galarneau - RAF/RPO (106, 107)
- W. Galarneau - SBF/ENV (108, 109)
- W. Galarneau - SBF/EM Team (110, 111, 111A)
- W. Galarneau - Aurora Medical Center (118, 119)
- W. Flint - Cold Chem/HR Sample Room (113)
- N. Deda - SBF/SEC (114)
- D. Krall - CR/Communicator (116)(Partial Distribution)
- Simulator/Communicator (117)
- J. Fletcher - Security (121)
- N. Deda - Security Building (120)
- S. VanderBloomen (125)
- 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
 July 5, 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 August 3, 2001, SIGNED AND DATED to serve as a record of revision.

EPIP Index, dated 07-05-2001.

REMOVE		INSERT	
PROCEDURE	REV.	PROCEDURE	REV.
EPIP-SEC-03	X	EPIP-SEC-03	Y
EPIP-SEC-05	E	EPIP-SEC-05	F

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

 SIGNATURE

 DATE

Please return this sheet to *DIANE FENCL*.


 Diane Fencl

Enclosure

EMERGENCY PLAN IMPLEMENTING PROCEDURES

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DATE: 07-05-2001

PROC. NO.	TITLE	REV.	DATE
EP-AD			
EPIP-AD-01	Personnel Response to the Plant Emergency Siren	G	06-05-2001
EPIP-AD-02	Emergency Class Determination	AA	06-19-2001
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	C	06-05-2001
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	O	06-05-2001
EPIP-AD-19	Protective Action Guidelines	P	10-31-2000
EP-ENV			
EPIP-ENV-01	Environmental Monitoring Group Organization and Responsibilities	U	10-31-2000
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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
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

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EP-EOF			
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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	Deleted	04-24-87
EP-EOF-6	Corporate Staff Action for General Emergency	Deleted	04-24-87
EP-EOF-7	Notification of Unusual Event	Deleted	04-06-94
EP-EOF-8	Relocation of EOF	Deleted	03-01-83
EPIP-EOF-08	Continuing Emergency Notifications	S	09-26-2000
EP-EOF-9	Interface with Support Organizations	Deleted	03-05-84
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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
EP-OP			
EP-OP-1	Control Room Emergency Organization	Deleted	04-24-87
EP-OP-2	Emergency Control Room Activation for Emergency Response	Deleted	04-24-87
EP-OP-3	Control Room Communications	Deleted	04-24-87
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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	Deleted	04-24-87
EPIP-OSF-04	Search and Rescue	D	09-12-2000

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EPIP-RET-02A	RPO - RAF Activation	R	06-05-2001
EP-RET-2B	Gaseous Effluent Sample and Analysis	Q	03-03-98
EP-RET-2C	Containment Air Sampling and Analysis	Deleted	03-01-83
EPIP-RET-02D	Emergency Radiation Entry Controls and Implementation	M	06-12-2001
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
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EP-RET-4A	EOF Radiological Monitoring	Deleted	03-10-83
EPIP-RET-04A	SBF Operation/Relocation	D	06-12-2001
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

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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
EP-SEC			
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	Y	07-05-2001
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	F	07-05-2001
EP-TSC			
EP-TSC-1	Technical Support Center Organization and Responsibilities	O	04-01-99
EPIP-TSC-02	Technical Support Center Activation	R	07-18-2000
EPIP-TSC-03	Plant Status Procedure	U	06-12-2001
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			

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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

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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 EPIPFG-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
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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
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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
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RET-08	EP-FIG-046	RET-08-01	Aurora Medical Center Location	A	06-15-2000
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EPIP-APPX-A-03	Off-Site Telephone Numbers	BK	04-03-2001
EPIP-APPX-A-06	WPSC Emergency Response Telephone Numbers	X	05-16-2001

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AD 7.2	State Call-Back - Question Guideline	B	04-16-96
AD 11.1	Emergency Radiation Work Permit	F	04-16-96
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ENV-01-03	Meteorological and Plant Status Data	B	10-31-2000
ENV-01-04	EMT Orders/Field Data	B	10-31-2000
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EOF 4.1	SRCL Initial Action Checklist	B	09-16-97
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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
EP-OSF			
OSF 2.2	Maintenance Work in Progress	Deleted	07-08-98
OSF-03-01	Operational Support Facility Team Briefing	B	09-12-2000
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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 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-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
RET 8.5	Hospital Survey 3	Deleted	07-25-97
RET-08-06	Hospital Survey 4	F	06-15-2000
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TSC-02-04	TSC Chart Recorder Operation Checklist	D	01-30-2001
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TSC-03-02	Plant Equipment Status	L	06-12-2001
TSC-03-03	Environmental Status Board	J	06-12-2001
TSC-03-04	Radiation Monitors	H	06-12-2001
TSC-04-01	Emergency Physical Change Request	F	08-29-2000
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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

WISCONSIN PUBLIC SERVICE CORP. Kewaunee Nuclear Power Plant <i>Emergency Plan Implementing Procedure</i>	No. EPIP-SEC-03		Rev. Y
	Title Personnel Assembly and Accountability		
	Date JUL 05 2001	Page 1 of 10	
Reviewed By <i>Jeanne M. Ferris</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 procedure provides instruction for establishing and maintaining personnel accountability within the Protected Area (PA) of the plant.

2.0 General Notes

- 2.1 When initial assembly and accountability are in progress, certain individuals (as designated in EPIP-AD-01) will be allowed to move in, out, and about the PA before initial accountability is complete.

2.2 Severe Weather

- 2.2.1 Several of the Assembly Areas are NOT appropriate for severe weather safety.

- a. Warehouse Annex Lunchroom - relocate to the locker room.
- b. Administrative Training Facility (ATF) Lunchroom - relocate to the ATF Basement.
- c. Simulator Training Facility (STF) Lobby - relocate to the Simulator Control Room away from the glass partition along the west wall close to the floor.
- d. Classroom C Security Building - relocate to the Security Building locker room.

Note

IF unable to relocate as stated above, personnel should relocate on lower levels of buildings in interior rooms away from all windows.

- 2.2.2 The following locations are adequate during severe weather:

- a. Control Room (CR)
- b. Radiation Protection Office (RPO)
- c. Technical Support Center (TSC)

WISCONSIN PUBLIC SERVICE CORP. Kewaunee Nuclear Power Plant <i>Emergency Plan Implementing Procedure</i>	No.	EPIP-SEC-03	Rev.	Y
	Title	Personnel Assembly and Accountability		
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3.0 Precautions and Limitations

- 3.1 Initial accountability needs to be **completed within 30 minutes**. The first Emergency Accountability Report should be printed 10 minutes after starting the Security Management System (SMS) Emergency Accountability Program.
- 3.2 Allow prompt movement of ERO personnel into and out of the Protected Area when the Site Protection Director has determined there is no personnel hazard restricting such movement.
- 3.3 Adhere to the radiation control policies and requirements outlined in EPIP-AD-11 and EPIP-RET-02D.
- 3.4 The SMS Emergency Accountability Program will begin two (2) minutes after the sound of the emergency siren. This is to allow for personnel to exit areas that are not their normal emergency work area (i.e., Control Room).
- 3.5 Personnel who are in the Control Room when the Emergency Accountability Program is started are accounted for.
- 3.6 Security Force Members are exempt from the SMS Emergency Accountability Program. They will be accounted for using a security accountability process.

4.0 Initial Conditions

- 4.1 Personnel **assembly** is required whenever the plant emergency siren is sounded. **accountability** will be required upon assembly unless otherwise directed by the Shift Manager/Emergency Director.

5.0 Procedure

- 5.1 **Site Protection Director (SPD) or Designee shall:**
 - 5.1.1 IF a designated Master Accountability Coordinator (MAC) is not available, THEN direct the Security Shift Captain to perform accountability functions.
 - 5.1.2 Contact the Emergency Director (ED) or Radiological Protection Director (RPD) to determine the location of any personnel hazards on-site or off-site. Continue to monitor conditions.
 - 5.1.3 IF conditions warrant, THEN direct the Security Force to hold exiting personnel in the Security Building until the RPD determines a safe evacuation route.
 - 5.1.4 Advise the MAC of all hazardous areas and/or severe weather.
 - 5.1.5 Advise on-site directors of hazardous areas or severe weather conditions.

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- 5.1.6 Direct Security Force personnel to make a tour through the Owner Controlled Area (OCA), sewage plant, exterior warehouses, exterior substation, and Met Tower to inform personnel to assemble in the STF or Security Building, or to leave the site, as appropriate.
- 5.1.7 Ensure attempts are made by any available means to contact all personnel who are unaccounted for.
- 5.1.8 IF attempts fail to locate personnel who are unaccounted for, THEN direct the Central Alarm Station (CAS) or Secondary Alarm Station (SAS) operator to run a computer report for that person(s).
- 5.1.9 Provide the Support Activities Director (SAD) and the RPD with information regarding all personnel who are unaccounted for based upon last known locations obtained from the computer report.
- 5.1.10 Keep the ED informed of the status of personnel accountability.
- 5.1.11 When initial accountability is complete, ensure the following message is announced over the Gai-tronics:

“Attention all personnel. Initial accountability is complete. Personnel may relocate to other areas but shall maintain accountability.”

- 5.1.12 Maintain cognizance of all personnel outside the PA who remain on-site.
 - 5.1.13 Continue to provide the MAC with updates on any location determined to be a personnel hazard including areas outside the PA.
- 5.2 **Master Accountability Coordinator (MAC) shall:**
- 5.2.1 WHEN notified that an emergency has been declared or the plant siren is sounded,
 - a. Report to the Security Building.
 - b. IF a MAC **has** been designated UNTIL released,
 - 1. If appropriate, plan a shift relief per EPIP-AD-05
 - 2. Help the designated MAC
 - c. IF a MAC **has not** been designated, notify the SPD of your intent to assume the responsibilities of the MAC and continue implementation of this procedure.
 - 5.2.2 Two (2) minutes after the sound of the plant emergency siren, ensure that the SAS/CAS has started the “Emergency Accountability Program” on the SMS.

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- 5.2.3 Contact Security to verify there is NOT a hard copy visitor list. If this list is available, pick up the KNPP Protected Area Visitor and Non-Designated Vehicle log (SIP 20.02-1) at the Registration Desk.
 - 5.2.4 Contact each Visitor's Escort via Gai-tronics to ensure accountability of their Visitor, place a check mark next to the Visitor's name as reported by the Escort.
 - 5.2.5 Ten (10) minutes after the SMS Emergency Program has been started, obtain an Emergency Report from CAS/SAS.
 - 5.2.6 Should attempts fail to locate personnel who are unaccounted for, direct the SAS/CAS to run a computer report on that person.
 - 5.2.7 Review the Emergency Report
 - a. Contact the Control Room and strike any names from the list that they can positively account for (individual is in the Control Room or is accounted for on their "Emergency Accountability Log").
 - b. Contact the Technical Support Center (TSC) and strike any names from the list that can be positively accounted for (individual is in the TSC or is accounted for on their "Emergency Accountability Log").
 - c. Contact by any possible means all names remaining on the list.
 - 5.2.8 WHEN all personnel have been contacted or reasonable attempts to contact have failed, record the names of individuals not accounted for and their last known location and provide this information to the SPD.
 - 5.2.9 Contact the Accountability Areas outside the PA (per Table 1) to determine the number and location of personnel on-site but not within the Protected Area.
- Note**
When time permits, obtain a list of personnel in the STF and the Security Building Accountability Areas.
- 5.2.10 Report to the SPD the number and location of personnel on-site but outside the PA and obtain an update regarding personnel hazards and/or severe weather.
 - 5.2.11 IF the plant emergency siren sounds after initial accountability, THEN return to step 5.2.2.
 - 5.2.12 Provide Accountability Coordinators (AC) with information regarding personnel hazards and/or severe weather provided by the SPD and continue to do so on a periodic basis.
 - 5.2.13 Brief the SPD on any change in accountability status or new problems (i.e., groups or individuals overdue in assembly areas).

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- 5.2.14 If appropriate, plan a shift relief for the MAC per EPIP-AD-05.
- 5.2.15 IF Final Conditions (Section 6.0) **have not** been met, THEN return to step 5.2.11.
- 5.2.16 WHEN Final Conditions (Section 6.0) are met,
 - a. Return you work area to normal status and return emergency procedures, forms, etc. to there proper place.
 - b. Record any discrepancies to emergency supplies that need correction and report them to the SPD.
 - c. Collect all completed forms, notes, and other documentation and give them to the SPD.

5.3 Accountability Coordinator (AC) shall:

- 5.3.1 WHEN notified that an emergency has been declared or the plant siren is sounded,
 - a. Report to your assigned assembly area.
 - b. IF an AC **has** been designated UNTIL released,
 - 1. Help in facility activation.
 - 2. If appropriate, plan a shift relief per EPIP-AD-05.
 - 3. Help the designated AC.
 - c. IF an AC **has not** been designated, notify the Facility Director or MAC of your intent to assume the responsibilities of the AC in the assembly area and continue implementation of this procedure.
- 5.3.2 Obtain Accountability packet located in the assembly areas in the following locations:
 - a. Control Room (CR) - on the wall behind the Control Room Supervisor's desk.
 - b. Technical Support Center (TSC) - on the desk near the entrance door (No. 410).
 - c. Radiation Protection Office (RPO) - next to the entrance door (No. 55).
 - d. Administrative Training Facility (ATF) - Lunchroom southwest corner, above the phone and Gai-tronics.
 - e. Warehouse Annex - Lunchroom west wall, above the phone and Gai-tronics.
 - f. Security Building - Room "C" on the wall by the phone and Gai-tronics.
 - g. Site Training Facility (STF) - Lobby on the wall by the Gai-tronics.
- 5.3.3 Locate yourself near the SMS accountability card reader.

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Note

Visitors with magnetic badges must swipe their key card in an accountability card reader. Visitors with non-magnetic badges should not swipe their key card in an accountability card reader.

- 5.3.4 WHEN the Gai-tronics announcement is made that emergency accountability has been initiated, ensure that all badged personnel located in the area swipe their Security key card in the accountability reader and receive a green light.
- 5.3.5 IF a Director or Supervisor notifies you of individuals who will not assemble, THEN record them as if they were leaving the facility per step 5.3.9.
- 5.3.6 Five (5) minutes after the Gai-tronics announcement initiating accountability, make an announcement requesting any badged personnel who have not swiped their key card to do so immediately.
- 5.3.7 During accountability, demand quiet and cooperation. Maintain accountability of personnel assembled there.
- 5.3.8 WHEN provided by the MAC, inform personnel in your assembly area of information on hazardous areas.
- 5.3.9 WHEN an individual elects to move to another area, log their departure on "Emergency Accountability Log," Form EPIPF-SEC-03-01, as follows:

Note

This includes visitors also.

- a. In the "Name" column: Enter the name of the individual leaving the area.
- b. In the "Card" column: Enter the individual's security card number.

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- c. In the "Destination" column: Enter the location to which the individual is heading.

Acronym	Area
<i>For Another Accountability Area</i>	
CR	Control Room
RPO	Radiation Protection Office
TSC	Technical Support Center
WA	Warehouse Annex Lunchroom
ATF	Administrative Training Facility Lunchroom
<i>For Repair Team Activity</i>	
LPA	Leaving the Protected Area
PA	Outside the Buildings but inside the Protected Area
ADMN	Administrative or Auxiliary Training Facility Buildings
TURB	Turbine Building
AUX	Auxiliary Building
CNTM	Containment Building
WRHS	Warehouse or Shop Area

- d. In the "Departure Time" column: Enter the time the individual departed the area.
- e. In the "Return/Arrive Time" column: Enter the time the individual returns to the area or the time you are informed they arrive at another Assembly Area by the Accountability Coordinator in that area.

Note

WHEN an individual is reported to another assembly area as being in your location, they must be logged out on your Form EPIPF-SEC-03-01 per step 5.3.9 if they later leave your area.

- 5.3.10 IF an individual arrives in your area who did not log out of your area and is not immediately returning to the area he checked out of, THEN contact the area he departed and notify them of the individual's arrival time and intent to stay.

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5.3.11 IF moving the entire group of assembled personnel to another area, THEN:

- a. Contact the MAC to inform them of the intended move.
- b. Take a head count of the total number of people moving.
- c. Instruct personnel in your area to proceed directly to the new destination, staying in a group until head count can be verified.
- d. Verify the head count upon arrival at the new location.
- e. Contact the MAC to verify arrival and to provide a phone number at the new location.

5.3.12 IF the plant siren is sounded following the initial accountability, THEN initiate contacts to all individuals listed as **not** "Returned or Arrived" on your Form EPIPF-SEC-03-01:

- a. WHEN contacted, give them any information you know about the siren sounding.
- b. IF instructed by a Facility Director, instruct the individual to come back to an assembly area.
- c. Note the individuals that were contacted and notify the MAC of individuals logged out of your area and whether you were able to contact them.
- d. Return to step 5.3.4.

5.3.13 If appropriate, plan a shift relief for the area AC per EPIP-AD-05.

5.3.14 IF Final Conditions (Section 6.0) have not been met, THEN return to step 5.3.8.

5.3.15 IF Final Conditions (Section 6.0) are met, THEN

Note

Flag any discrepancies to emergency supplies that need correction.

- a. Return your work area to normal status and return emergency procedures, forms, etc. to their proper place.
- b. Collect all completed forms, notes, and other documentation and give them to the SPD.

5.4 **Security Force shall:**

5.4.1 Should the SMS system be offline, manually maintain a log of personnel entering/exiting the PA to enable the MAC to update the accountability roster as necessary.

5.4.2 Guide PA ingress/exit in accordance with EPIP-SEC-02, "Security Force Response to Emergencies."

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5.4.3 **Patrolling Security Officers shall:**

- a. Verify their locations by portable radio to the Shift Captain for accountability.
- b. Obtain personal dosimetry to take with them on patrol in accordance with EPIP-SEC-04, "Security Force Actions for Dosimetry Issue."

6.0 Final Conditions

- 6.1 Plant Emergency has been Terminated or Recovery actions have begun and the Emergency Director has suspended the use of EIPs or it has been determined emergency accountability is no longer required.

7.0 References

- 7.1 Kewaunee Nuclear Power Plant Emergency Plan
- 7.2 EPIP-AD-01, Plant Personnel Response to an Emergency
- 7.3 EPIP-AD-05, Emergency Response Organization Shift Relief Guideline
- 7.4 EPIP-AD-11, Emergency Radiation Controls
- 7.5 EPIP-RET-02D, Emergency Radiation Entry Controls and Implementation

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

- Emergency Accountability Log, Form EPIP-SEC-03-01

**ACCOUNTABILITY AREAS
(Inside the Protected Area)**

LOCATION	PHONE NUMBER
Control Room	8207
Radiation Protection Office	8451
Technical Support Center (Included OSF and RAF)	8353
Administrative Training Facility (Lunchroom)	6480
Warehouse Annex (Lunchroom)	6452

ALTERNATE LOCATION	PHONE NUMBER
Administrative Training Facility (Basement)	6548
Warehouse Annex (Locker Room)	8427

**ACCOUNTABILITY AREAS
(Outside the Protected Area)**

LOCATION	PHONE NUMBER
Security Building Classroom C	6548
Simulator Training Facility (Lobby)	8427

ALTERNATE LOCATION	PHONE NUMBER
Security Locker Room (Security Building)	6548
Simulator Training Facility (Simulator Control Room)	8427

ACCOUNTABILITY LEADERS

LEADER	PHONE NUMBER
Master Accountability Coordinator (Security Building)	8509
Site Protection Director (Sec. Bldg.)	8418
(TSC)	PBX 8591 Kew. Ex. 388-0459

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Reviewed By <i>Jeanne M. Ferris</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 procedure provides instruction for actions required to implement an evacuation of personnel from the Kewaunee Nuclear Power Plant (KNPP) site.

2.0 General Notes

- 2.1 None

3.0 Precautions and Limitations

- 3.1 Ensure the radiological conditions along evacuation routes are assessed by the Radiological Protection Director (RPD) or the on-shift Radiation Technologist prior to evacuation of personnel.

4.0 Initial Conditions

- 4.1 This procedure is implemented whenever the evacuation of nonessential personnel becomes desirable or evacuation of emergency personnel becomes necessary. The desirability or necessity of an evacuation will be determined by the Emergency Director (ED) and RPD.

5.0 Procedure

- 5.1 Site Protection Director (SPD) shall:
- 5.1.1 Request the RPD to initiate the activities in Section 5.2 of this procedure.
 - 5.1.2 Obtain information from the ED regarding any special evacuation instructions required to exit the Emergency Planning Zone per the Manitowoc and Kewaunee County Emergency Directors.
 - 5.1.3 Ensure that all personnel have been assembled and accounted for in accordance with EPIP-SEC-03. Personnel to be evacuated must be identified and preassembled in:
 - a. The Administration Training Facility (ATF) assembly area
 - b. The Warehouse Annex assembly area
 - c. The Security Building assembly area
 - d. The Simulator Training Facility (STF) assembly area

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5.1.4 IF RPD determines that the use of personal vehicles is not possible, THEN ensure that alternate transportation arrangements are made with the Administrative/Logistics Director (ALD) in the Emergency Operations Facility (EOF) for the evacuation.

5.1.5 Instruct the evacuees as follows:

- a. Exit the plant in an orderly fashion by the directed route.
- b. Follow all directions that are provided for exiting the Emergency Planning Zone.

5.1.6 Direct the evacuation of personnel using the route determined by the RPD. (See EPIP-FIG-026, KNPP Site Map, for the primary route and an alternate route.)

Note

When evacuation requires a route other than an exit with a card reader (i.e., sally-port), CAS/SAS should print a list of personnel on site and use this list for key card disabling.

5.1.7 Verify that all evacuees have been logged out of the protected area prior to releasing them.

5.1.8 IF evacuee counts indicate missing personnel, THEN initiate EPIP-SEC-03.

5.1.9 Inform ED of the need to contact the Manitowoc and Kewaunee County Emergency Government Directors of the progress of the plant evacuation.

5.2 Radiological Protection Director shall:

5.2.1 Determine a safe route from the designated evacuation assembly areas.

5.2.2 Determine whether personal vehicles are inaccessible or too contaminated to leave the site.

5.2.3 Dispatch necessary emergency teams to where they are needed.

5.2.4 Monitor the evacuees for contamination.

5.2.5 Notify the Site Boundary Facility (SBF) and the Environmental Protection Director (EPD) of the evacuation and its nature.

6.0 Final Conditions

6.1 All non-essential personnel have been evacuated from the owner controlled property.

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7.0 References

- 7.1 Kewaunee Nuclear Power Plant Emergency Plan
- 7.2 EPIP-SEC-03, Personnel Assembly and Accountability
- 7.3 EPIP-OSF-04, Search and Rescue

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