

NRC-03-071

10 CFR 50, App. E

June 30, 2003

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555

**KEWAUNEE NUCLEAR POWER PLANT  
DOCKET 50-305  
LICENSE No. DPR-43  
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 (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.



Thomas Coutu  
Site Vice-President, Kewaunee Plant

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/o attach.

A045

# DOCUMENT TRANSMITTAL

KEWAUNEE NUCLEAR POWER PLANT

FROM: DIANE FENCL - KNPP

TRANSMITTAL DATE 06-19-2003

## EMERGENCY PLAN IMPLEMENTING PROCEDURES TRANSMITTAL FORM

### OUTSIDE AGENCY COPIES (1-20)

S. Campion - NRC Document Control Desk (1)\*

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S. Campion - NRC Resident Inspector (4) (receives Appx. A phone numbers)\*

S. Campion - State of Wisconsin (5)\*

S. Campion - KNPP QA Vault (NRC Letter & Memo Only) (15)\*

Krista Kappelman - PBNP - EP (10)\*

Kevin Joachim - Alliant Energy (11)\*

Jill Stern - Nuclear Management Company (12)\*

Chuck Zoia - NRC Region III (13)\*

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

J. Bennett (33)

W. Bartelme (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)(Partial Distribution)

W. Galarneau - SBF/ENV (108, 109)(Partial Distribution)

W. Galarneau - SBF/EM Team (110, 111, 111A)(Partial Distribution)

W. Flint - Cold Chem/HR Sample Room (113)

S. Zutz - SBF/SEC (114)

M. Fencl - Security (121)

S. Zutz - Security Building (120)

Ops Admin. (126)

~~C. Grant - TSC Response Binder (Partial Distribution)~~

C. Grant - EOF Response Binder (Partial Distribution)

~~D. Krall - CR Response Binder (Partial Distribution)~~

~~K. Stangel - SCR Response Binder (Partial Distribution)~~

D. Krall - CR Tag Desk (Partial Distribution)

K. Stangel - SCR Tag Desk (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  
June 19, 2003**

Please follow the directions listed below.

**EPIP Index, dated 06-19-2003.**

REMOVE		INSERT	
PROCEDURE	REV.	PROCEDURE	REV.
EPIP-EOF-12	Q	EPIP-EOF-12	R
EPIP-RET-04	T	EPIP-RET-04	U
<del>Figure EPIPEG-EOF-12-01</del>	<del>B</del>	<del>Figure EPIPFG-EOF-12-01</del>	<del>C</del>
<del>Figure EPIPFG-EOF-12-02</del>	<del>C</del>	<del>Figure EPIPFG-EOF-12-02</del>	<del>D</del>

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 Jerrie Morlino at 8719.

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 Fencil  
Enclosure**

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<b>PROC. NO.</b>	<b>TITLE</b>	<b>REV.</b>	<b>DATE</b>
<b>EP-AD</b>			
EPIP-AD-01	Personnel Response to the Plant Emergency Siren	K	11-26-2002
EPIP-AD-02	Emergency Class Determination	AG	05-05-2003
EPIP-AD-03	KNPP Response to an Unusual Event	AH	03-18-2003
EPIP-AD-04	KNPP Response to Alert or Higher	AM	03-18-2003
EP-AD-5	Site Emergency	Deleted	04-27-87
EPIP-AD-05	Emergency Response Organization Shift Relief Guideline	E	02-18-2003
EP-AD-6	General Emergency	Deleted	04-24-87
EPIP-AD-07	Initial Emergency Notifications	AT	03-18-2003
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
EPIP-AD-11	Emergency Radiation Controls	S	12-19-2002
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	P	09-12-2002
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	P	02-27-2002
EPIP-AD-19	Protective Action Guidelines	S	01-20-2003

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<b>EPIP-AD-20</b>	<b>KNPP Response to a Security Threat</b>	<b>D</b>	<b>01-20-2003</b>
<b>EP-ENV</b>			
<b>EPIP-ENV-01</b>	<b>Environmental Monitoring Group Organization and Responsibilities</b>	<b>W</b>	<b>08-20-2002</b>
<b>EPIP-ENV-02</b>	<b>Environmental Monitoring Team Activation</b>	<b>X</b>	<b>10-02-2001</b>
<b>EP-ENV-3A</b>	<b>Environmental Protection Director Actions and Directives</b>	<b>Deleted</b>	<b>09-26-84</b>
<b>EP-ENV-3B</b>	<b>EM Team Actions</b>	<b>Deleted</b>	<b>09-26-84</b>
<b>EPIP-ENV-03C</b>	<b>Dose Projection Using RASCAL Version 2.2 Software</b>	<b>W</b>	<b>08-20-2002</b>
<b>EP-ENV-3D</b>	<b>Revision and Control of ISODOSE II</b>	<b>Deleted</b>	<b>02-14-95</b>
<b>EP-ENV-3E</b>	<b>Manual Determination of X/Q</b>	<b>Deleted</b>	<b>04-24-87</b>
<b>EP-ENV-3F</b>	<b>Manual Determination of X/Q (Green Bay Meteorological Data)</b>	<b>Deleted</b>	<b>05-30-86</b>
<b>EP-ENV-3G</b>	<b>Manual Dose Projection Calculation</b>	<b>Deleted</b>	<b>06-02-89</b>
<b>EP-ENV-3H</b>	<b>Protective Action Recommendations</b>	<b>Deleted</b>	<b>04-13-90</b>
<b>EPIP-ENV-04A</b>	<b>Portable Survey Instrument Use</b>	<b>T</b>	<b>08-20-2002</b>
<b>EPIP-ENV-04B</b>	<b>Air Sampling and Analysis</b>	<b>X</b>	<b>08-20-2002</b>
<b>EP-ENV-4C</b>	<b>Environmental Monitoring Teams</b>	<b>Deleted</b>	<b>04-13-90</b>
<b>EPIP-ENV-04C</b>	<b>Ground Deposition Sampling and Analysis</b>	<b>X</b>	<b>08-20-2002</b>
<b>EPIP-ENV-04D</b>	<b>Plume Tracking for Environmental Monitoring Teams</b>	<b>O</b>	<b>08-20-2002</b>
<b>EP-ENV-5A</b>	<b>LCS-1 Operation</b>	<b>Deleted</b>	<b>04-14-86</b>
<b>EP-ENV-5B</b>	<b>MS-3 Operation</b>	<b>Deleted</b>	<b>04-14-86</b>
<b>EP-ENV-5C</b>	<b>SAM II Operation</b>	<b>Deleted</b>	<b>04-14-86</b>
<b>EP-ENV-5D</b>	<b>PAC-4G (Alpha Counter) Operation</b>	<b>Deleted</b>	<b>04-14-86</b>
<b>EP-ENV-5E</b>	<b>Reuter-Stokes Operation</b>	<b>Deleted</b>	<b>08-27-85</b>

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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
<b>EP-EOF</b>			
EP-EOF-1	Corporate Emergency Response Organization	Deleted	03-11-94
EPIP-EOF-02	Emergency Operations Facility (EOF) Activation	AA	08-06-2002
EPIP-EOF-03	EOF Staff Action for Unusual Event	AD	01-20-2003
EPIP-EOF-04	EOF Staff Action for Alert or Higher	AK	01-20-2003
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	Z	01-28-2003
EP-EOF-9	Interface with Support Organizations	Deleted	03-05-84
EP-EOF-9	Notification of Site Emergency	Deleted	04-24-87
EP-EOF-10	Notification of General Emergency	Deleted	04-24-87
EPIP-EOF-11	Internal Communication and Documentation Flow	V	11-07-2002
EPIP-EOF-12	Media Center/Emergency Operation Facility/Joint Public Information Center/Security	R	06-19-2003

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<b>EP-OP</b>			
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
<b>EP-OSF</b>			
EP-OSF-1	Operation Support Facility Emergency Organization	Deleted	04-24-87
EPIP-OSF-02	Operational Support Facility Operations	V	11-26-2002
EPIP-OSF-03	Work Orders During an Emergency	P	05-09-2002
EP-OSF-4	Operational Support Facility Communications	Deleted	04-24-87
EPIP-OSF-04	Search and Rescue	E	05-23-2002
<b>EP-RET</b>			
EP-RET-1	Radiation Emergency Team Organization	Deleted	04-16-96
EPIP-RET-02	In-Plant Radiation Emergency Team	W	04-29-2003
EPIP-RET-02A	Radiation Protection Office/Radiological Analysis Facility (RPO/RAF) Activation	U	11-07-2002
EPIP-RET-02B	Gaseous Effluent Release Path, Radioactivity, and Release Rate Determination	S	08-06-2002
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	P	02-18-2003
EPIP-RET-03A	Liquid Effluent Release Paths	L	11-29-2001
EP-RET-3B	Post-Accident Reactor Coolant Alternate Sampling Procedure	Deleted	01-25-88

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EPIP-RET-03C	Post Accident Operation of the High Radiation Sample Room	P	01-15-2002
EPIP-RET-03D	Containment Air Sampling Analysis Using CASP	N	01-15-2002
EP-RET-3E	Post Accident Operation of High Rad Sample Room Inline Multiported Count Cave	Deleted	08-27-85
EPIP-RET-04	SBF Activation	U	06-19-2003
EP-RET-4A	EOF Radiological Monitoring	Deleted	03-10-83
EPIP-RET-04A	SBF Operation/Relocation	Deleted	10-02-2001
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	H	10-09-2001
EP-RET-5A	Plume Projection	Deleted	04-27-87
EP-RET-6	Dose Projection	Deleted	04-24-87
EP-RET-7	Radiological Analysis Facility/Radiation Protection Office Communications	Deleted	04-24-87
EPIP-RET-08	Contamination Control of the Aurora Medical Center	Deleted	05-23-2002
EPIP-RET-09	Post-Accident Population Dose	M	04-29-2003
<b>EP-SEC</b>			
EP-SEC-1	Security Organization	Deleted	04-24-87
EPIP-SEC-02	Security Force Response to Emergencies	Y	11-14-2002
EP-SEC-2A	Manual Activation of Emergency Sirens	Deleted	04-16-82
EPIP-SEC-03	Personnel Assembly and Accountability	AG	05-20-2003
EPIP-SEC-04	Security Force Actions for Dosimetry Issue	P	10-02-2001



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EP-SEC-5	Security Force Response to the EOF	Deleted	07-28-88
EPIP-SEC-05	Personnel Evacuation	G	06-20-2002
<b>EP-TSC</b>			
EPIP-TSC-01	Technical Support Center Organization and Responsibilities	S	01-28-2003
EPIP-TSC-02	Technical Support Center Activation	U	01-20-2003
EPIP-TSC-03	Plant Status Procedure	W	05-05-2003
EPIP-TSC-04	Emergency Modifications	O	04-29-2003
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	J	06-20-2002
EPIP-TSC-08A	Calculations for Steam Release from Steam Generators	O	11-26-2002
EPIP-TSC-08B*	STMRLS Computer Program	G	06-20-2002
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			
EP-TSC-9	Core Damage Assessment Using Released Radionuclides	Deleted	09-30-86
EPIP-TSC-09A*	Core Damage Assessment	K	05-05-2003
EPIP-TSC-09B*	CORE Computer Program	Deleted	05-16-2002
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	K	05-09-2002

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FIGURES					
EPIP	FIG #	Figure EPIPG	DESCRIPTION	REV.	DATE
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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 EPIPF-EOF-02-01	EP-FIG-009	EOF-12-01	Division Office Building (2nd Floor) Floor Plan	C	06-19-2003
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	D	04-29-2003
EPIP-EOF-12	EP-FIG-024	EOF-12-02	Location of JPIC and Media Briefing Center Map	D	06-19-2003
EP-SEC-5	EP-FIG-026	SEC-05-01	KNP Site Map & Evacuation Routes	C	06-20-2002
APPX-A-6	EP-FIG-034	---	Floor Plan - Media Briefing Center	Deleted	08-04-98
EPIP-EOF-12 EPIP-APPX-A-06	EP-FIG-035	APPX-A-06-06	Media Briefing Center	D	04-29-2003
APPX-A-6	EP-FIG-037	---	Floor Plan - Corporate Response Center	Deleted	08-04-98
APPX-A-6	EP-FIG-038	---	Floor Plan - JPIC	Deleted	08-04-98
EPIP-OSF-02	EP-FIG-039	OSF-02-01	High Priority Work	A	10-02-2001
EPIP-OSF-02	EP-FIG-039A	OSF-02-02	Lower Priority Work	A	10-02-2001
EPIP-APPX-A-06	EP-FIG-043	APPX-A-06-10	JPIC - Federal Work Area - WPSC D2-9	C	04-29-2003
EPIP-APPX-A-06	EP-FIG-044	APPX-A-06-07	JPIC - State and County Work Area - WPSC D2-8	D	04-29-2003
EPIP-APPX-A-06	EP-FIG-045	APPX-A-06-05	JPIC - Utility Work Area - WPSC D2-7	D	04-29-2003
RET-08	EP-FIG-046	RET-08-01	Aurora Medical Center Location	Deleted	05-23-2002
EPIP-APPX-A-02	---	APPX-A-02-01	ERO Call Tree	Deleted	12-04-2001

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	APPENDIX A		
APPX-A-1	Communication System Description	AF	08-04-98
EPIP-APPX-A-02	Response Personnel Call List	Deleted	02-06-2002
EPIP-APPX-A-03	Off-Site Telephone Numbers	Deleted	02-06-2002
EPIP-APPX-A-06	KNPP Emergency Response Facility Figures	AB	04-29-2003

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<b>APPENDIX B</b>			
<b>EP-AD</b>			
AD-07-01	Event Notice - Nuclear Accident Reporting System Form (NARS)	V	05-05-2003
AD-07-02	State Call-Back - Question Guideline	C	11-15-2001
AD-07-03	Fax Event Notice	B	03-06-2003
AD-07-04	ERO Event Notification	C	05-29-2003
AD-11-01	Emergency Radiation Work Permit	H	12-19-2002
AD-18-01	Airborne Radioiodine Dose Accountability and Potassium Iodide Distribution	B	08-06-2002
AD-18-02	Record of Known Allergy To or Voluntary Refusal to Take Potassium Iodide	A	02-27-2002
<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	C	12-14-2001
ENV-01-04	EMT Orders/Field Data	B	10-31-2000
ENV-02-01	EMT Activation Checklist	N	08-20-2002
<b>EP-EOF</b>			
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EOF-02-02	EOF Deactivation Checklist	N	01-28-2003
EOF-04-01	SRCL Initial Action Checklist	D	01-20-2003
EOF-04-02	Telephone Communications Log Sheet	A	12-14-2001
EOF-08-03	Fax for Emergency Declaration or Status Updates	H	01-20-2003
EOF-08-05	Plant Emergency Status Report	A	11-27-2001
EOF-08-06	Radiological Status Report	E	01-20-2003
EOF-11-02	Operating Status	G	11-07-2002

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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	C	12-04-2001
<b>EP-RET</b>			
RET-02A-02	Emergency Sample Worksheet	E	06-05-2001
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
RET-02B-04	Containment Stack (Sping Reading)	C	08-06-2002
RET-02B-05	Steam Release	D	08-06-2002
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
RET 8.5	Hospital Survey 3	Deleted	07-25-97
RET-08-06	Hospital Survey 4	Deleted	05-23-2002
RET-09-01	Post-Accident TLD Record Sheet	D	04-16-2002
<b>EP-SEC</b>			
SEC-03.01	Emergency Accountability Log	A	03-28-2000
SEC-04-01	Emergency Dosimeter Log	G	06-20-2002
<b>EP-TSC</b>			
TSC-01.01	Plant Status Summary for SAM Implementation	C	01-28-2003
TSC-01.02	Severe Accident Management Summary and Strategy Recommendation	B	02-06-2002

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TSC-01.03	Severe Accident Management – Status	B	02-06-2002
TSC-02-01	TSC and OSF Activation Checklist	P	01-20-2003
TSC-02-02	TSC Ventilation Checklist	I	01-20-2003
TSC-02-03	Emergency Response Data System (ERDS) Link Initiation Checklist	H	01-20-2003
TSC-02-04	TSC Chart Recorder Operation Checklist	E	01-20-2003
TSC-02-05	TSC and OSF De-Activation Checklist	C	01-28-2003
TSC-03-01	Plant System Status	L	06-12-2001
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	I	01-08-2002
TSC-04-01	Emergency Modification Request	H	04-29-2003
TSC-04-02	Emergency Physical Change Safety Review	Deleted	05-09-2002
TSC-04-03	Emergency Modification Index	G	04-29-2003
TSC-07-01	Head Venting Calculation	G	06-20-2002
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
TSC-08A-03	Steam Release Data/Calculation Sheet (Open Valve)	E	12-14-2001
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
TSC-09A-07	Core Damage Assessment Results	A	05-05-2003

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<b>Reviewed By</b>		Bruce Heitzkey		<b>Approved By</b>	
Jerrie Morlino					
<b>Nuclear Safety Related</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>PORC Review Required</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>SRO Approval Of Temporary Changes Required</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

## 1.0 Purpose

- 1.1 This procedure provides instruction for implementing security arrangements for Emergency Plan.

## 2.0 General Notes

- 2.1 None

## 3.0 Precautions and Limitations

- 3.1 All security stations will be staffed on a 24-hour per day basis unless mutually agreed upon by the Administrative Logistics Director (ALD) and the Security Leader.
- 3.2 Conflicts or misunderstandings concerning implementation of this procedure by the security company should be resolved promptly between the Security Leader, the ALD, or the Emergency Response Manager (ERM).
- 3.3 If unauthorized personnel interfere with the operation of the Emergency Operations Facility (EOF), doors marked by a circled "L" on Figure EPIPFG-EOF-12-01 can be locked. Keys for these doors can be found hung on the backside of the door in the EOF storage closet to be issued to EOF personnel as needed.

## 4.0 Initial Conditions

- 4.1 This procedure shall be implemented when the Kewaunee Nuclear Power Plant declares an Alert, Site Emergency, or General Emergency, or at the request of an Emergency Response Manager, OR upon notification from the Point Beach Nuclear Plant that the Joint Public Information Center (JPIC) and Media Briefing Center are needed in support of a declared emergency at their plant.

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## 5.0 Procedure

### 5.1 Administrative Logistics Director (ALD) or designee shall:

#### Note

*IF after normal work hours, THEN page one of the following Pieschek representatives: Mike Horst (920) 556-9102, Jill Hagerstrom (920) 556-9382, or Ed Byrne (920) 556-4558.*

#### 5.1.1 Contact Pieschek Protective Services, (920) 468-0100, and inform them of the following:

- Six (6) Security Officers and one (1) Security Leader are needed at the Wisconsin Public Service Corporation building complex
- The Security Team should bring eight (8) mobile radios for team communication
- They are to report to the Northeast entrance door under the skywalk of the Division Office Building (DOB-3)
- The team should park in the lots to the East of the building complex

#### Note

*The Green Bay Parking Authority phone number is (920) 448-3431.*

- 5.1.2 During normal work hours, contact Building Services at ext. 1629 and instruct them to call the Green Bay Parking Authority to have Wisconsin Public Service Corporation (WPSC) parking lot monitoring suspended until further notice.
- 5.1.3 Obtain the security instruction manual for all security stations from the EOF (Conference Room D2-3) sealed bookcase.
- 5.1.4 Obtain badges for Station 1 (Red Media) and Station 5 (Yellow EOF/JPIC) from the EOF file cabinet, second drawer.
- 5.1.5 Provide the instruction manual for Security Station 5 and the Yellow badges (EOF/JPIC) to an EOF Support Person and direct them to implement Section 5.2 of this procedure.
- 5.1.6 Provide the instruction manual for Security Station 6 and the Yellow badges (EOF/JPIC) to a second EOF Support Person and direct them to implement Section 5.3 of this procedure.



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**5.1.7 Upon arrival of the Security Team:**

- a. Transfer the remaining instruction and material packages and Station 1 (Red Media) badges to the Security Leader.
- b. Provide the Security Leader with three (3) Green WPSC Contractor badges, one (1) for himself and one (1) each for the Security Officers staffing Station 1 and Station 5.
- c. Answer any questions the Security Leader may have and inform him how you can be reached.
- d. Obtain a security force radio from the Security Leader.
- e. Accompany the Security Team Leader while he staffs the security stations.
- f. When the security stations are staffed, introduce the Security Leader to the JPIC Manager and Emergency Response Manager.

**5.1.8 When Final Conditions (See Section 6.0) are met:**

- a. Inform the Security Leader of the event close-out so he can release his personnel.
- b. Ensure that the Security Leader returns all security instructions and material packages to the EOF.
- c. Ensure any doors that were locked in Steps 5.8 and 5.10 are unlocked.
- d. Ensure the completed Form EPIPF-EOF-12-01 is placed in EOF master file.
- e. Ensure all security contractor invoices are properly processed.

**5.2 The EOF Support Person (1) assigned by the ALD or his representative shall:**

- 5.2.1 Obtain the table and chair labeled for EP use from Conference Room D1-7 and put in place for Station 5 (See Figures EPIPFG-APPX-A-06-06, EPIPFG-EOF-12-02, EPIPFG-EOF-12-01, and the applicable instruction packages).
- 5.2.2 Until relieved by a contract Security Officer, follow the instructions for Station 5 as described in Section 5.9 of this procedure.
- 5.2.3 When the Security Team arrives, hold the Security Team in the hallway at the entrance for a briefing by the Administrative Logistics Director (ALD) or his designated representative.

**5.3 The EOF Support Person (2) assigned by the ALD or his representative shall:**

- 5.3.1 Hang signs as indicated on the floor plan for the Division Office Building (2nd Floor) (Figure EPIPFG-EOF-12-01) by a circled "P."

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5.3.2 During the activation stage of the Emergency Operations Facility (EOF)/Joint Public Information Center (JPIC), go through the EOF/JPIC and issue badges to personnel at their duty stations.

a. Confirm they are a representative of one of the following organizations.

- Nuclear Management Company (NMC) employees
- Wisconsin Public Service Corporation (WPSC) employees
- We Energies employees
- State of Wisconsin emergency response personnel
- Kewaunee County emergency response personnel
- Manitowoc County emergency response personnel
- US - Nuclear Regulatory Agency representatives
- Federal Emergency Management Agency representatives

b. Log them into the EOF or JPIC by instructing the individual to enter the following information on Form EPIPF-EOF-12-01:

- Printed last and first name
- Signature
- Organization Represented
- Work Phone Number

c. Complete Form EPIPF-EOF-12-01 by entering the "date" and "time in."

d. Issue them a Yellow (EOF/JPIC) badge.

5.3.3 When individuals present in the EOF and JPIC have been badged, turn any remaining badges and the completed Registration Form, Form EPIPF-EOF-12-01, over to Station 5.

5.3.4 Until relieved by a contract Security Officer, follow the instructions for Station 6 as described in Section 5.10 of this procedure.

5.4 **Security Leader shall:**

5.4.1 Review identification badge types with all Security Officers (See Attachment A).

5.4.2 Issue a Green WPSC Contractor badge to the Security Officers that will staff Station 1 and Station 5.

**REFERENCE USE**

<b>WISCONSIN PUBLIC SERVICE CORP.</b>  <b>Kewaunee Nuclear Power Plant</b>  <i>Emergency Plan Implementing Procedure</i>	<b>No.</b>	<b>EPIP-EOF-12</b>	<b>Rev.</b> R
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- 5.4.3 Assign a Security Officer with a radio to each Security Station 1 through 6, as described in Steps 5.5 through 5.10 of this procedure.
- 5.4.4 Ensure each Officer understands his responsibilities as described in Steps 5.5 through 5.10 of this procedure.
- 5.4.5 Ensure that each Security Station has the appropriate information and material package.
- 5.4.6 Ensure all Security Station radios are functional.
- 5.4.7 Wear the green "Contractor" Wisconsin Public Service Corporation (WPSC) security badge (See Attachment A for description) while in the building complex. This will allow you access through the electronically controlled external doors of the complex to facilitate Security Team movement outside the buildings.
- 5.4.8 Periodically tour all Security Stations.
- 5.4.9 Periodically check in with the Administrative Logistics Director (ALD) at the EOF on status of security activities.

**5.5 Security Station 1, Security Officer at (700 N. Adams St.) Receptionist Area, (See Figure EPIPFG-APPX-A-06-06) shall:**

- 5.5.1 Control access to the building:
  - a. Allow entry to individuals with a Wisconsin Public Service Corporation (WPSC) badge, WPSC Contractor badge, KNP Plant badge, or WPS NMC access badge, to badge (See Attachment A for description) themselves in (See Attachment A for description).
  - b. Provide access for individuals with only a Red Media badge or Yellow EOF/JPIC badge (See Attachment A for description) using the electronic release button at the reception counter or your Green WPSC Contractor badge.
- 5.5.2 IF personnel require access to the Media Briefing area and do not have a Red Media badge or Yellow EOF/JPIC badge (See Attachment A for description), THEN:
  - a. Require they show proper identification.
  - b. Direct representative of the following organizations to Station 5 for issuance of a Yellow EOF/JPIC badge (See Attachment A for description) OR issue a badge:
    - Nuclear Management Company (NMC) employees
    - Wisconsin Public Service Corporation (WPSC) employees

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- We Energies employees
- State of Wisconsin emergency response personnel
- Kewaunee County emergency response personnel
- Manitowoc County emergency response personnel
- US - Nuclear Regulatory Agency representatives
- Federal Emergency Management Agency representatives

**Note**

*Media representatives desiring access to the Media Briefing Center (MBC) must have an appropriate identification issued by an organization listed below.*

- *Print (newspaper, magazine, etc.)*
- *Electronic (News services, Internet, etc.)*
- *Broadcast (television, radio, etc.)*

**5.5.3 Log media representatives into the Media Briefing Center.**

- a. Instruct the individual to enter the following information on Form EPIPF-EOF-12-01:
  - Printed last and first name
  - Signature
  - Organization Represented
  - Work Phone Number
- b. Complete Form EPIPF-EOF-12-01 by entering the "date" and "time in."
- c. Issue a Red Media identification badge (See Attachment A for description).
- d. Allow the individual access to the Media Briefing Center using the electronic release button at the reception counter or your WPSC Contractor badge.

**5.5.4 IF an individual has no identification or identification seems out of order, THEN contact an Administrative Logistics Director (ALD) using the security radio.**

**5.5.5 When an individual leaves the complex for any reason other than emergency response duties, remind individual to:**

- a. Leave the facility through the same security station where they logged in.
- b. Return the identification badge.

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5.5.6 Maintain the check in logs until collected at the end of the event.

5.5.7 IF individuals check out through a security station other than the one at which they signed in, THEN radios can be used to notify the station with the log they are signed in on to log them out.

5.6 **Security Station 2, Security Officer at (700 N. Adams St.) East of Receptionist Area, (See Figure EPIPFG-APPX-A-06-06) shall:**

5.6.1 Allow entry to individuals with a Yellow (EOF/JPIC) badge (See Attachment A for description) complete access to the facility including the Media Briefing Center (MBC).

5.6.2 If needed, provide directions for utility, Federal, State, and County response persons with Yellow (EOF/JPIC) badges (See Attachment A for description) who are unsure of the route to the Emergency Operations Facility(EOF)/Joint Public Information Center (JPIC).

5.6.3 Allow entry to individuals with a Wisconsin Public Service Corporation (WPSC) badge, WPSC Contractor badge access to WPS facilities.

5.6.4 **DO NOT ALLOW** Red MEDIA badged persons (See Attachment A for description) down the East or South walkway or up the Lobby elevators.

5.6.5 Inform all media of the availability of Conference Room G1-1 as a work area.

5.6.6 Provide directions for individuals with a Red Media badge (See Attachment A for description) to the MBC or media work area (Conference Room G1-1) via the West walkway.

5.6.7 When an individual leaves the complex for any reason other than emergency response duties, remind individual to:

- a. Leave the facility through the same security station where they logged in.
- b. Return the identification badge.

5.6.8 Allow individuals with Wisconsin Public Service Corporation (WPSC) or Yellow EOF/JPIC identification badge (See Attachment A for description) access to the MBC via the media access route.

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**5.7 Security Station 3, Security Officer at (700 N. Adams St.) Media Briefing Center (MBC) stage entrance to Conference Room G1-5 and G1-6 (See Figure EPIPFG-APPX-A-06-06) shall:**

**5.7.1** Ensure that only personnel with Yellow EOF/JPIC identification badges (See Attachment A for description) access into the MBC through the stage entrance.

**5.7.2** **DO NOT ALLOW** Red MEDIA badged persons (See Attachment A for description) down the East or South walkway or up the Lobby elevators.

**5.8 Security Station 4, Security Officer at (700 N. Adams St.) North end of Media Briefing Center (MBC) Conference Room G1-5 and G1-6 (See Figure EPIPFG-APPX-A-06-06) shall:**

**5.8.1** Ensure that the doors leading to the inside stairwell are in the locked position. The allen wrench enclosed in the information package for Security Station 4 will release the door from open to the locked position.

**5.8.2** Ensure that individuals in your field of view have a Red (Media) or Yellow (EOF/JPIC) identification badge (See Attachment A for description).

**5.8.3** Direct those who do not have proper identification to Station 1.

**5.8.4** Control the crowd and ensure that no unauthorized individuals enter the Media Center through the North external doors.

**Note**

*The Administrative Logistics Director (ALD) or alternate may be contacted using the security radio.*

**5.8.5** Requests to run cabling through the North external door must be approved by the ALD.

**5.9 Security Station 5, Security Officer at (600 N. Adams St.) two-story Division Office Building (DOB) doorway below skywalk (See Figure EPIPFG-EOF-12-01) shall:**

**5.9.1** Control access to the building, allow entry to individuals with a Wisconsin Public Service Corporation (WPSC) badge, WPSC Contractor badge, KNP Plant badge, WPS NMC access badge, or a Yellow EOF/JPIC badge (See Attachment A for description).

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5.9.2 **IF** personnel require access to the Emergency Operations Facility(EOF)/Joint Public Information Center (JPIC) and do not have a Yellow EOF/JPIC badge (See Attachment A for description), **THEN**:

- a. Require they show proper identification.

**Note**

*Individuals desiring access to the EOF/JPIC without an appropriate identification issued by their organization shall be identified by the Administrative Logistics Director (ALD) or his alternate. The ALD or alternate may be contacted using the security radio.*

- b. Confirm they are a representative of one of the following organizations:

- Nuclear Management Company (NMC) employees
- Wisconsin Public Service Corporation (WPSC) employees
- We Energies employees
- State of Wisconsin emergency response personnel
- Kewaunee County emergency response personnel
- Manitowoc County emergency response personnel

- c. Log them into the EOF or JPIC by instructing the individual to enter the following information on Form EPIPF-EOF-12-01:

- Printed last and first name
- Signature
- Organization Represented
- Work Phone Number

- d. Complete Form EPIPF-EOF-12-01 by entering the "date" and "time in."

- e. Issue a Yellow EOF/JPIC identification badge.

5.9.3 **IF** the individual is a local or national news media representative, **THEN** direct them to Station 1.

5.9.4 **IF** an individual has no identification or identification badge seems out of order, **THEN** contact an ALD using the security radio.

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5.9.5 WHEN an individual leaves the complex for any reason other than emergency response duties, remind individual to:

- a. Leave the facility through the same security station where they logged in.
- b. Return their Red/Yellow identification badge.

5.9.6 Maintain the check-in logs until collected at the end of the event.

5.9.7 IF individuals check out through a security station other than the one at which they signed in, THEN radios can be used to notify the station with the log they are signed in on to log them out.

5.10 **Security Station 6, Security Officer at central hallway to Emergency Operations Facility (See Figure EPIPFG-EOF-12-01) shall:**

5.10.1 Patrol the Emergency Operations Facility (EOF), Joint Public Information Center (JPIC), the hallways surrounding them, and inspect individuals to ensure they have a Yellow EOF/JPIC identification badge (See Attachment A for description).

5.10.2 IF personnel require access to the EOF/JPIC and do not have a Yellow EOF/JPIC badge (See Attachment A for description), THEN direct them to Station 5 OR issue a badge.

5.10.3 IF the individual is a local or national news media representative, THEN direct them to Station 1.

5.10.4 IF an individual has no identification or identification badge seems out of order, THEN contact an Administrative Logistics Director (ALD) using the security radio.

5.10.5 IF access control becomes a problem, THEN contact ALD to lock doors.

5.10.6 WHEN an individual leaves the complex for any reason other than emergency response duties, remind individual to:

- a. Leave the facility through the same security station where they logged in.
- b. Return their identification badge.

## 6.0 Final Conditions

6.1 Plant emergency has been Terminated or Recovery actions have begun and the responsible director has suspended the use of EPIPs.



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## 7.0 References

- 7.1 Figure EPIPFG-EOF-12-01, Division Office Building (2<sup>nd</sup> Floor) Floor Plan
- 7.2 Figure EPIPFG-EOF-12-02, Location of JPIC and Media Briefing Center Map
- 7.3 Figure EPIPFG-APPX-A-06-06, Media Briefing Center
- 7.4 Form EPIPF-EOF-12-01, I.D. Badge Registration Form

## 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

- I.D. Badge Registration Form, Form EPIPF-EOF-12-01

**MEDIA**

**(Red Badge)**

**EMERGENCY  
STAFF**

**EOF/JPIC  
(Yellow Badge)**



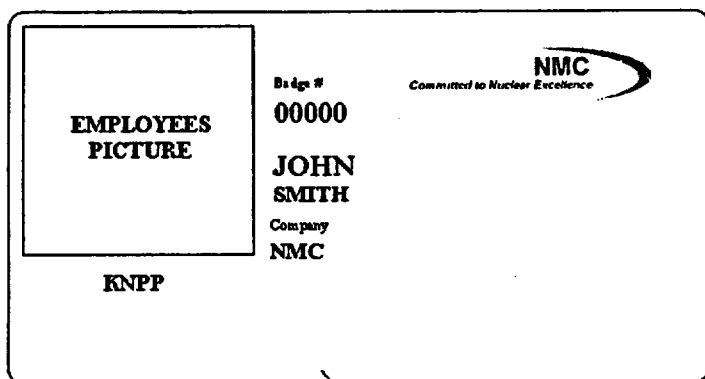
**CONTRACTOR**

**(Green Badge)**

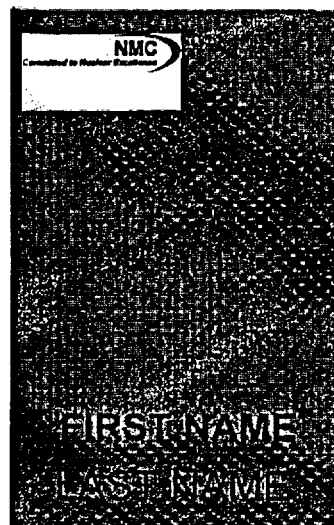


**PHOTO**

**NAME  
(Gray Border)**



KNP Plant Badge



WPS NMC Access Badge

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Reviewed By Rick Adams		Approved By Jerrie Morlino		
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 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 instruments.
- 5.2.2 Perform background and efficiency checks on the counting equipment and record on appropriate counting worksheets.

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- 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  $\frac{3}{4}$  scale or greater, THEN have the dosimeter re-zeroed by the SBF Coordinator.

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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 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 Chargers
- Swipe packets
- Phone lists
- Calculator
- Step-off Pads
- Rad Bags
- Lab coats
- Gloves
- Shoe covers

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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 EIPs.

## 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