



Kewaunee Nuclear Power Plant
N490 Highway 42
Kewaunee, WI 54216-9511
920.388.2560

Point Beach Nuclear Plant
6610 Nuclear Road
Two Rivers, WI 54241
920.755.2321

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

NRC 2002-0052

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Ladies/Gentlemen:

Dockets 50-266 And 50-301
Emergency Plan Implementing Procedure Revisions
Point Beach Nuclear Plant, Units 1 And 2

Enclosed are copies of revised procedures to the Point Beach Nuclear Plant Emergency Plan Implementing Procedures. The revised procedures dated June 14, 2002, should be filed in your copy of the manual in accordance with the attached instructions.

Sincerely,

Thomas J. Webb
Licensing Director

FAF/kmd

Enclosures

cc: NRC Resident Inspector (w/o/e)
Incident Response Center, Region III

A045

Updated June 13, 2002.

*37 Sets (1 sided, 3-hole punched)
2 Extra Indexes (2 sided, stapled, 3-hole punched)*

DO NOT include PBF forms (except for EPIP 2.1 Att. B-when EPIP 2.1 is issued) in your copy count. They are only listed on data source for inventory purposes!

EPIP 2.1 contains a 2-part form on Pages 24 and 25 that needs to be sent to EP Direct at least a week before issue to be printed and returned and prepped in time for distribution! See IMG 6.8.

See special distribution notes & IMG 6.8!

Send 1 set to Traci Trochil (except for Temporary Changes) for the NRC with names & numbers deleted. Put a note on saying this is the copy for the NRC. Traci will see that Licensing will get this copy in order to prepare letter and mail to the NRC.

Certain EPIPs are issued to PIM Manuals. ALWAYS verify PIM data source for distribution!

Phone number for Steve Orth for EPIP #20, is (630-829-9546)

Only need to list EPIP's on the Transmittal Letter

Any changes to the Data Source need to be reviewed with Traci Trochil or Donna Flanagan

Procedures Issued on _____

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POINT BEACH NUCLEAR PLANT
EMERGENCY PLAN IMPLEMENTING PROCEDURES

EPIP INDEX
Revision 78
June 14, 2002

INDEX

PROCEDURE NUMBER	PROCEDURE TITLE	REVISION NUMBER		EFFECTIVE DATE	PERIODIC REVIEW DATE
EPIP 1.1	Course of Actions	39	C	06/14/02	08/09/01
EPIP 1.2	Emergency Classification	35	R	02/06/02	02/06/02
EPIP 1.3	Dose Assessment and Protective Action Recommendations	28	R	05/03/02	05/03/02
EPIP 1.4	Credible High or Low Security Threat.....	0	C	12/14/01	12/14/01
EPIP 2.1	Notifications - ERO, State & Counties, and NRC.....	24	R	02/06/02	02/06/02
EPIP 4.1	Technical Support Center (TSC) Activation and Evacuation.....	32	R T	02/06/02	12/14/01
EPIP 4.2	Operations Support Center (OSC) Activation and Evacuation.....	15	R	12/14/01	12/14/01
EPIP 4.3	Emergency Operations Facility (EOF) Activation and Evacuation.....	26	R	02/06/02	12/14/01
EPIP 4.7	Offsite Radiation Protection Facility (OSRPF) Activation and Evacuation.....	2	R	12/14/01	12/14/01
EPIP 5.1	Personnel Emergency Dose Authorization	14	R	02/06/02	02/06/02
EPIP 5.2	Radioiodine Blocking and Thyroid Dose Accounting.....	13	R	03/20/01	02/06/02
EPIP 6.1	Assembly and Accountability, Release and Evacuation of Personnel	21	R	06/14/02	12/14/01
EPIP 7.3.1	Offsite Radiation Sampling and Survey.....	21	R	07/26/00	07/26/00
EPIP 7.3.2	Post-Accident Isokinetic Stack Sampling System	6	R	03/31/00	03/31/00
EPIP 7.3.7	Estimating Radioiodine Air Concentrations	4	R	03/31/00	03/31/00
EPIP 8.4.1	Post-Accident Sampling and Analysis of Potentially High Activity Reactor Coolant.....	14	C	05/19/00	05/19/00
EPIP 8.4.2	Post-Accident Sampling of Containment Atmosphere.....	9	C	05/19/00	05/19/00
EPIP 8.4.3	Emergency Containment Sump "A" Sampling.....	6		05/19/00	05/19/00
EPIP 10.1	Emergency Reentry.....	21	R	11/20/00	11/20/00
EPIP 10.2	Core Damage Estimation	18	R	11/30/99	01/30/01
EPIP 10.3	Post Accident Containment Hydrogen Reduction	5	R	05/19/00	05/19/00
EPIP 11.2	Medical Emergency	15	R	03/20/01	03/20/01

(T - Temporary Change)

C = Continuous Use
R = Reference Use
I = Information Use

POINT BEACH NUCLEAR PLANT
EMERGENCY PLAN IMPLEMENTING PROCEDURES

EPIP INDEX
Revision 78
June 14, 2002

INDEX

<u>PROCEDURE NUMBER</u>	<u>PROCEDURE TITLE</u>	<u>REVISION NUMBER</u>		<u>EFFECTIVE DATE</u>	<u>PERIODIC REVIEW DATE</u>
EPIP 12.1	Emergency Event De-Escalation, Termination, or Recovery Operations.....	7	R	11/30/99	11/20/00
EPIP 12.2	Recovery Implementation	13	R	11/20/00	11/20/00

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EPIP 1.1

COURSE OF ACTIONS

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COURSE OF ACTIONS

TABLE OF CONTENTS

SECTION	TITLE	PAGE
1.0	PURPOSE	3
2.0	PREREQUISITES.....	3
3.0	PRECAUTIONS AND LIMITATIONS.....	3
4.0	INITIAL CONDITIONS.....	3
5.0	PROCEDURE.....	4
6.0	REFERENCES.....	9
7.0	BASES	9
ATTACHMENT A	ANNOUNCEMENT OF CLASSIFIED EVENT AND PROTECTIVE ACTION	10
ATTACHMENT B	NOTIFICATION OF PERSONNEL OUTSIDE THE PROTECTED AREA...	11

COURSE OF ACTIONS

1.0 PURPOSE

This procedure provides instructions for Control Room personnel responding to an off-normal event at the Point Beach Nuclear Plant (PBNP).

2.0 PREREQUISITES

2.1 Responsibilities

- 2.1.1 The Shift Manager (SM) is responsible for this procedure.
- 2.1.2 The SM is responsible for taking immediate actions to mitigate the consequences of the emergency.
- 2.1.3 The SM is responsible for implementing Emergency Plan Implementing Procedures (EPIPs) as referenced by this procedure until formally relieved by key personnel in emergency response facilities.
- 2.1.4 The SM may delegate assignments to qualified personnel as necessary.

2.2 Equipment

None

3.0 PRECAUTIONS AND LIMITATIONS

None

4.0 INITIAL CONDITIONS

An off-normal occurrence with the potential for an emergency classification exists (or has existed) at PBNP.

COURSE OF ACTIONS

5.0 PROCEDURE

Date/Time entered	/
Reason entered	

		Initials	Time
NOTE 1:	Steps may be completed out of sequence, as appropriate.		
NOTE 2:	Steps that do not apply, may be marked "not applicable."		
NOTE 3:	Steps already formally turned over to Emergency Response Facilities (per Step 5.19) may be marked "not applicable."		
NOTE 4:	Control Room is responsible for all steps prior to transfer of responsibility. Text in []'s denotes the Emergency Response Facility responsible for implementation of that step <u>AFTER</u> the formal transfer of responsibilities from the Control Room.		
NOTE 5:	Classifications are to be made consistent with the goal of 15 minutes once plant parameters reach an Emergency Action Level (EAL). (Ref NEI 99-02)		
5.1	Implement procedures, or take other actions as required, to place the affected unit(s) in a safe condition. [CR]		
5.2	Verify the on-shift Shift Technical Advisor (STA) is in the Control Room. [CR]		
5.3	<u>IF</u> a credible HIGH or LOW security threat, <u>THEN</u> go to EPIP 1.4. [CR primary, EOF support]		
5.4	Direct the Security Shift Commander to report to the Control Room. [CR]		
5.5	Initiate EPIP 1.2, Emergency Classifications, to determine if an emergency classification is required. [EOF primary, TSC/CR support]		

WARNING

If event is security related, then discuss the consequences of conducting an assembly and accountability with Security prior to implementation.

- | | | | |
|-----|---|--|--|
| 5.6 | Complete Attachment A, Announcement of Classified Event and Protective Actions, and make the plant Gai-Tronics announcement. [CR] | | |
|-----|---|--|--|

COURSE OF ACTIONS

		Initials	Time
5.7	<p><u>IF</u> normal working hours, <u>THEN</u> implement EPIP 1.1, Attachment B, to notify personnel outside the protected area of the event, <u>ELSE</u> implement EPIP 1.1, Attachment B, after notifications in Step 5.8 to notify personnel outside the protected area. [TSC]</p>		
<p>NOTE 1: <u>IF</u> the event is classified as a GENERAL EMERGENCY, <u>THEN</u> minimum protective action recommendations are required.</p> <ul style="list-style-type: none"> • Evacuate 0-2 miles, all sectors • Evacuate 2-5 miles, downwind sectors 			
<p>NOTE 2: <u>IF</u> wind speed is less than three (3) mph or lake breeze conditions exist, <u>THEN</u> recommend protective actions for all sectors (360°F) 0-5 miles. Lake breeze conditions exist if the difference between actual wind direction values for inland and near shore meteorological towers is greater than 90°F.</p>			
5.8	<p>Initiate EPIP 2.1, "Notifications - ERO, State & Counties, and NRC." [EOF]</p> <p>NOTE: Assign personnel to make each notification.</p>		
5.8.1	<p>Emergency Response Organization (pager activation) Use EPIP 2.1, Section 5.1. [CR]</p>		
5.8.2	<p>State & Counties (within 15 minutes of declaration) Use EPIP 2.1, Section 5.2 and EPIP 2.1 Attachment B, Nuclear Accident Reporting Form. [EOF]</p>		
5.8.3	<p>KNPP Control Room. Use EPIP 2.1, Section 5.3. [EOF]</p>		
5.8.4	<p>Nuclear Regulatory Commission (NRC) (immediately after State & County notifications, <u>NOT</u> to exceed 60 minutes from declaration). Use EPIP 2.1, Section 5.4. [TSC]</p>		
5.9	<p><u>IF</u> emergency involves plant conditions which suggest a radioactive release is in progress or anticipated, <u>THEN</u> initiate EPIP 1.3, Dose Assessment and Protective Action Recommendations. [EOF]</p>		

COURSE OF ACTIONS

		Initials	Time
5.10	<u>IF</u> a backshift or weekend, <u>THEN</u> contact the onshift Radiation Protection Technologist and Radiochemical Technician to report to the Control Room for further instructions in support of the event. [CR] (Ref EPIP 10.1, Emergency Reentry)		
5.11	Dispatch and track reentry teams until this responsibility is assumed by the OSC. [OSC]		
5.12	<u>IF</u> the event is an Unusual Event and additional staff is desired, <u>THEN</u> call in personnel using the Emergency Response Organization (ERO) Call List, ETD 01. [CR]		
5.13	Implement the remaining sections of EPIP 6.1, Assembly and Accountability, Release and Evacuation of Personnel, for the following:		
5.13.1	Accountability (ref EPIP 6.1, Step 5.2.2). [TSC]		
5.13.2	Release of personnel (no radiological impediments) (ref EPIP 6.1, Step 5.3). [TSC]		
5.13.3	Evacuation of site to offsite assembly areas (includes radiological monitoring prior to leaving the plant site) (ref EPIP 6.1, Step 5.4). [TSC]		
5.14	<u>IF</u> Alert or higher, <u>THEN</u> :		
5.14.1	Activate Emergency Response Data System (ERDS) per EPIP 4.1, Attachment E, Activation of Emergency Response Data System (ERDS) (60 minutes of declaration). [CR]		
5.14.2	Issue high range dosimetry to Control Room personnel. [CR]		
5.14.3	Ensure backshift RPTs and RCTs have high range dosimetry. [CR]		

COURSE OF ACTIONS

		Initials	Time
5.15	IF the event is a General Emergency AND ALL the following criteria are met, THEN implement expanded PARS of evacuation for 0-5 miles all sectors and 5-10 miles downwind sectors. [EOF] (Ref Step 6.15)		
5.15.1	Substantial core damage in progress or projected (>20%) (> 30,000 R/hr in containment high radiation monitors)		
5.15.2	Large fission product inventory in containment (more than GAP) (LOSS criteria for RCS barrier in EPIP 1.2, Attachment C, exceeded)		
5.15.3	Imminent projected containment failure or release underway (LOSS criteria for containment barrier in EPIP 1.2, Attachment C, exceeded)		
5.16	IF event involves a liquid release to the lake, THEN notify local water utilities per Offsite Agency Call List, ETD 02. [EOF]		
5.17	IF TSC and/or EOF are NOT activated, THEN ensure periodic status updates are provided to the State, Counties, and NRC per EPIP 2.1. [CR]		
5.18	IF activating the Emergency Response Facilities, THEN provide a turnover briefing to TSC Manager upon arrival in the Control Room. [CR]		
5.18.1	Plant status		
5.18.2	Notifications status and current EPIP 2.1, Attachment B form		
5.18.3	Protected Worker Status		
5.18.4	Assembly and accountability status		
5.19	Conduct a formal turnover of responsibilities to Emergency Response Facilities as they are activated. [CR]		
5.19.1	Technical Support Center (TSC)		
a.	Plant assessment on classification recommendations per EPIP 1.2		
b.	Onsite protective actions		

COURSE OF ACTIONS

		Initials	Time
	c. Onsite radiological assessment	_____	_____
	d. NRC Notifications per EPIP 2.1	_____	_____
	e. Assembly and Accountability, Release and Evacuation of Personnel per EPIP 6.1	_____	_____
5.19.2	Operations Support Center (OSC)		
	a. Tracking dispatched reentry teams (repair, fire, search and rescue)	_____	_____
	b. Tracking of non-PBNP, We Energies personnel, Nuclear Management Company fleet personnel, or contractor teams that may be doing repairs inside and outside protected area (switchyard, etc.)	_____	_____
	c. Medical emergencies per EPIP 11.2	_____	_____
5.19.3	Emergency Operations Facility (EOF)		
	a. Classification of emergencies per EPIP 1.2	_____	_____
	b. Offsite protective action recommendations per EPIP 1.3	_____	_____
	c. State and County notifications per EPIP 2.1	_____	_____
	d. Overall management of ERO activities	_____	_____
	e. Request for Federal Assistance, if needed	_____	_____
	f. Authorize the use of potassium iodide per EPIP 5.1	_____	_____
	g. Authorize emergency radiation exposures in excess of 10 CFR 20 requirements per EPIP 5.2	_____	_____
	h. Review and approval of news releases.	_____	_____
5.20	Initiate an action request associated with the event and insert a copy in the Operations Notebook (reference Step 6.14) and exit this procedure, returning it to Emergency Preparedness. [CR]	_____	_____

COURSE OF ACTIONS

6.0 REFERENCES

- 6.1 EPIP 1.2, Emergency Classifications
- 6.2 EPIP 1.3, Dose Assessment and Protective Action Recommendations
- 6.3 EPIP 1.4, Credible High or Low Security Threat
- 6.4 EPIP 2.1, Notifications - ERO, State & Counties, and NRC
- 6.5 EPIP 4.1, Attachment E, Activation of Emergency Response Data System (ERDS)
- 6.6 EPIP 5.1, Personnel Emergency Dose Authorization
- 6.7 EPIP 5.2, Radioiodine Blocking and Thyroid Dose Accounting
- 6.8 EPIP 6.1, Assembly and Accountability, Release and Evacuation of Personnel
- 6.9 EPIP 10.1, Emergency Reentry
- 6.10 EPIP 11.2, Medical Emergency
- 6.11 ETD 01, Point Beach Emergency Response Organization (ERO) Call List
- 6.12 ETD 02, Offsite Agency Call List
- 6.13 NEI 99-02, Regulatory Assessment Performance Indicator Guideline
- 6.14 IR 94-013, NPNPD-94-014, Response to Notice of Violation, October 5, 1994
- 6.15 NUREG-0150, Volume 1, Revision 4, RTM-96, Response Technical Manual, Figures A-5 and A-6, March 1996

7.0 BASES

- B-1 10 CFR 50.47(b), Emergency Plans
- B-2 10 CFR 50.47, Appendix E.IV, Content of Emergency Plans
- B-3 NUREG-0654, Criteria for Preparation and Evaluation of Radiological Response Plans and Preparedness in Support of Nuclear Power Plants, Revision 1, November 1980

COURSE OF ACTIONS

ATTACHMENT A
ANNOUNCEMENT OF CLASSIFIED EVENT AND PROTECTIVE ACTION

SOUND THE EVACUATION ALARM.
SOUND THE FISHERMAN'S ALARM.
MAKE THE FOLLOWING ANNOUNCEMENT.

"ATTENTION ALL PERSONNEL. ATTENTION ALL PERSONNEL.

THERE ARE CONDITIONS AT THE PLANT THAT WARRANT A (AN)

- ☐ UNUSUAL EVENT
- ☐ ALERT
- ☐ SITE EMERGENCY
- ☐ GENERAL EMERGENCY
- ☐ TERMINATION OF CLASSIFIED EVENT

(Alert or higher) ALL ERO PERSONNEL REPORT TO YOUR ASSIGNED EMERGENCY RESPONSE FACILITY.

(IF filled in, THEN announce:) THESE CONDITIONS ALSO WARRANT A

- ☐ LIMITED PLANT EVACUATION OF THE FOLLOWING AREAS (ref EPIP 6.1, Step 4.1):

ALL REMAINING PERSONNEL IN THESE AREA(S) REPORT TO THE:

- ☐ (In RCA) RP STATION
- ☐ (Outside RCA) NORTH SERVICE BUILDING CAFETERIA
- ☐ (Other) _____

AND AWAIT FURTHER INSTRUCTIONS."

- ☐ FULL SITE ASSEMBLY AND ACCOUNTABILITY (Required at Site Emergency, Optional Earlier ref EPIP 6.1, Step 4.3):

ALL REMAINING PERSONNEL REPORT TO:

- ☐ YOUR ASSIGNED ASSEMBLY AREA
 - ☐ NORTH SERVICE BUILDING CAFETERIA
 - ☐ ADMIN BUILDING EL 26' OFFICE AREA
 - ☐ ENGINEERING BUILDING CAFETERIA
 - ☐ TRAINING BUILDING NORTH FOYER
 - ☐ WAREHOUSE #4
 - ☐ (OTHER) _____

☐ TWO CREEKS TOWN HALL (If Radiological Concerns ref EPIP 6.1, Step 4.2)

☐ TWO RIVERS NATIONAL GUARD ARMORY (If Radiological Concerns ref EPIP 6.1, Step 4.2)

AND PERFORM ACCOUNTABILITY.

EXIT THROUGH

- ☐ THE SOUTH GATEHOUSE
- ☐ THE NORTH VEHICLE GATE (Only if the South Gatehouse Unavailable)

(IF filled in, THEN announce:) AVOID THE FOLLOWING AREA(S):

THESE CONDITIONS ARE (classification/condition):

REPEAT ALARMS AND ANNOUNCEMENT

Return the completed form to Emergency Preparedness or TSC Manager.

COURSE OF ACTIONS

ATTACHMENT B
NOTIFICATION OF PERSONNEL OUTSIDE THE PROTECTED AREA
Page 1 of 3

1.0 PBNP AUTOMATED NOTIFICATION SYSTEM

NOTE 1: Listen carefully because the system will give you other options. To expedite the notification process, the following steps have been written to only list the specific voice prompt you need, at which time you can immediately respond without listening to the remaining prompt.

NOTE 2: If at any point you want to exit the system and start over, you should keep slowly pressing the "#" key until the system says "goodbye" and restart the entire process.

- 1.1 PBNP Automated Notification System is unavailable,
THEN go to Step 2.0 of this attachment.
- 1.2 From any on-site telephone, dial _____ to access the PBNP Automated Notification System.
- 1.3 When prompted "Please enter your scenario activation password," enter "111222333#" using the keypad on the telephone.
- 1.4 When prompted "To start a scenario enter the scenario ID....," enter "700#."
- 1.5 Press "2" to select recording a new message. Other voice prompts will be given but you do not have to listen to the options.
- 1.6 When prompted "After the tone, speak the new message....," read Attachment A, Announcement of Classified Event, and Protective Actions, and press "#." (Your message will automatically play back).
- 1.7 Press "3" to start the scenario. Other voice prompts will be given if you want to replay your message or rerecord it.
- 1.8 When prompted, "The scenario is building," press "#", listen to "good-bye" and hang up.
- 1.9 IF normal working hours and Step 1.0 was successful,
THEN return to procedure Step 5.8.
- 1.10 IF outside normal working hours and Step 1.0 was successful,
THEN return to procedure Step 5.9.
- 1.11 IF Step 1.0 was NOT successful,
THEN go to next Step 2.0 of this attachment.

Completed By _____ Date/Time _____

COURSE OF ACTIONS

ATTACHMENT B
NOTIFICATION OF PERSONNEL OUTSIDE THE PROTECTED AREA
Page 2 of 3

2.0 PBX Broadcast System

2.1 Notification of Personnel Outside Protected Area on South Side of Plant

From a touch-tone phone, dial

2.1.1 to access voice system

2.1.2 when prompted for mailbox

2.1.3 when prompted for password

2.1.4 75 to compose message

2.1.5 8003# and 8004## when prompted

2.1.6 5 when prompted

2.1.7 Read Attachment A, Announcement of Classified Event and Protective Actions, and press # when done recording.

2.1.8 79 to send message

2.1.9 83 to exit PBX Broadcast System.

2.2 Notification of Personnel Outside Protected Area on North Side of Plant

From a touch-tone phone, dial

2.2.1 to access voice system

2.2.2 when prompted for mailbox

2.2.3 when prompted for password

2.2.4 75 to compose message

2.2.5 8003## when prompted

2.2.6 5 when prompted

COURSE OF ACTIONS

ATTACHMENT B
NOTIFICATION OF PERSONNEL OUTSIDE THE PROTECTED AREA
Page 3 of 3

- 2.2.7 Read Attachment A, Announcement of Classified Event and Protective Actions, and press # when done recording.
- 2.2.8 79 to send message
- 2.2.9 83 to exit PBX Broadcast System.
- 2.3 IF normal working hours,
THEN return to procedure Step 5.8
- 2.4 IF outside normal working hours,
THEN return to procedure Step 5.9.

Completed By _____ Date/Time _____

Return the completed form to Emergency Preparedness or TSC Manager

EPIP 6.1

ASSEMBLY AND ACCOUNTABILITY, RELEASE AND EVACUATION OF PERSONNEL

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TABLE OF CONTENTS

SECTION	TITLE	PAGE
1.0	PURPOSE	3
2.0	PREREQUISITES.....	4
3.0	PRECAUTIONS AND LIMITATIONS	6
4.0	INITIAL CONDITIONS.....	6
5.0	PROCEDURE	9
5.1	Limited Plant Evacuation	9
5.2	Full-Site Assembly and Accountability	10
5.3	Release of Non-Essential Personnel from Site.....	13
5.4	Evacuation of Non-Essential Personnel to Offsite Assembly Areas.....	15
5.5	Reentering the Site	18
6.0	REFERENCES	18
7.0	BASES	18
ATTACHMENT A	ANNOUNCEMENT OF PROTECTIVE ACTION.....	19
ATTACHMENT B	NOTIFICATION OF PERSONNEL OUTSIDE THE PROTECTED AREA...	19
ATTACHMENT C	EVACUATION OF THE POINT BEACH ENERGY CENTER	23
ATTACHMENT D	ACCOUNTABILITY ANNOUNCEMENT	24
ATTACHMENT E	ASSEMBLY AREA ACCOUNTABILITY SIGN-IN.....	25
ATTACHMENT F	EVENT INVOLVEMENT SUMMARY	26
ATTACHMENT G	PERSONNEL "RELEASE-FROM-SITE" INFORMATION.....	27
ATTACHMENT H	DELETED ATTACHMENT.....	28
ATTACHMENT I	EVACUATION ROUTES.....	29

1.0 PURPOSE

This procedure describes protective actions to be taken for personnel within the protected area and exclusion areas. These actions include assembly, accountability, release, and evacuation.

- 1.1 The following actions may be performed on a limited plant basis to protect a select population of the site as deemed necessary by the Shift Manager (SM).
 - 1.1.1 Assembly will consist of an orderly gathering of people into designated assembly areas within or outside the Protected Area, but on PBNP property.
 - 1.1.2 Accountability is the gathering of the names of people assembled and maintaining control of their movement.
- 1.2 The following actions shall be performed on a full-site basis (protected and exclusion areas) at a Site Emergency or higher classification, or under any circumstance deemed necessary by the SM or TSC Manager.
 - 1.2.1 Assembly will consist of an orderly gathering of people into designated assembly areas within or outside the Protected Area, but on PBNP property.
 - 1.2.2 Accountability is the gathering of the names of people assembled and maintaining control of their movement.
 - 1.2.3 Release of personnel is the orderly dismissal of personnel not immediately needed for response when no radiological conditions prohibit an unmonitored release from the site. An early release of visitors, contractors and non-essential plant and company personnel, from the site eliminates the need, in most cases, for burdensome radiological screening of persons and vehicles associated with an evacuation.
 - 1.2.4 Evacuation is the process implemented where radiological or other hazards require additional actions, such as radiological monitoring and relocation of assembly areas, in conjunction with the release of personnel.

ASSEMBLY AND ACCOUNTABILITY, RELEASE AND
EVACUATION OF PERSONNEL

2.0 PREREQUISITES

2.1 Responsibilities

- 2.1.1 This procedure is the responsibility of the Shift Manager (SM) until assumed by the TSC Manager.
- 2.1.2 The SM may assign this procedure to an operating supervisor, typically from the unaffected unit.
- 2.1.3 Upon activation of the emergency response facilities, this procedure is the responsibility of the TSC Manager, who shall designate tasks to the:
 - a. Operations Coordinator for the notifications to personnel within the protected and exclusion areas.
 - b. Security Coordinator for oversight of accountability and coordinating the release or evacuation of non-essential personnel from assembly areas with the Rad/Chem Coordinator and Offsite Radiation Protection Coordinator.
 - c. Rad/Chem Coordinator and Offsite Radiation Protection Coordinator to ensure the radiological monitoring of personnel and vehicles is conducted prior to leaving the site property, if required.

2.2 Equipment

- 2.2.1 Evacuation Alarm
- 2.2.2 Fisherman's Alarm
- 2.2.3 Gai-Tronics
- 2.2.4 Point Beach Automated Notification System
- 2.2.5 Point Beach PBX Telephone System
- 2.2.6 Public Address system in the Nuclear Engineering Support and Training Buildings

ASSEMBLY AND ACCOUNTABILITY, RELEASE AND
EVACUATION OF PERSONNEL

2.3 Onsite Assembly Areas (Within Owner-Controlled Area)

LOCATION	PERSONNEL ASSEMBLED
NSB Cafeteria*	Plant Personnel-Workstations in PA (Mtn/Ops Office & North)
Admin Bldg – El 26’*	Plant Personnel-Workstations in PA (South of Mtn/Ops Office)
Warehouse #4	Plant Personnel-Workstations outside PA (North end) Other company personnel, Contractors, Visitors
Nuclear Eng. Bldg Cafeteria	Plant Personnel-Workstations outside PA (South end) Other company personnel, Contractors, Visitors
Training Bldg North Foyer	Plant Personnel-Workstations outside PA (South end) Other company personnel, Contractors, Visitors
RP Station*	Chemistry inside RCA & all RP
Control Room*	Onshift Operations Personnel
Technical Support Center*	Assigned ERO Personnel
Emergency Operations Facility	Assigned ERO Personnel
Operations Support Center*	Chemistry outside RCA, Assigned ERO Personnel, Operations Relief/Training Crews
CAS*	Security Personnel
Other temporary assembly areas may be assigned to accommodate unusual situations (i.e., construction)	Personnel affected by these temporary assembly areas will be directly notified in the announcements for assembly

*Assembly areas with card readers

2.4 Offsite Assembly Areas (Outside Owner-Controlled Area)

PROBABLE ONSITE ASSEMBLY AREAS NEEDING RELOCATION	ALTERNATE LOCATIONS
Admin Building El. 26’ NSB Cafeteria NES Building Cafeteria Training Building North Foyer Warehouse #4	Two Creeks Town Hall Two Rivers National Guard Armory
Emergency Operations Facility (EOF) Offsite Radiation Protection Facility (OSRPF)	Alternate EOF TSC (partial EOF positions) KNPP Site Boundary Facility (OSRPF Only)
Technical Support Center (TSC) Operations Support Center (OSC)	Admin Bldg El. 26’ Control Room or Computer Room Above NSB Cafeteria Site Boundary Control Center

3.0 PRECAUTIONS AND LIMITATIONS

- 3.1 Radiological conditions may make it necessary to use alternate routes and/or assembly areas.
- 3.2 IF personnel cannot access their designated assembly areas, THEN personnel should report to the nearest assembly area.
- 3.3 Unless otherwise directed by the announcement, personnel exiting the controlled area should:
 - 3.3.1 Remove protective clothing.
 - 3.3.2 Frisk at the RCA checkpoint.
 - 3.3.3 Retain dosimetry.
 - 3.3.4 Report to assigned assembly area.
- 3.4 Accountability of personnel in the protected area shall be accomplished within 30 minutes of the evacuation alarm for a full-site assembly.
- 3.5 Emergency response facilities shall reference the appropriate EIPs for activation and evacuation of each specific facility.

4.0 INITIAL CONDITIONS

- 4.1 A limited plant evacuation shall be considered under any of the following conditions:
 - 4.1.1 Area radiation monitor high-level alarm in excess of 100 mR/hr.
 - 4.1.2 Airborne radioactive concentrations in excess of the derived air concentrations (DACs) specified in Appendix B to 10 CFR 20.
 - 4.1.3 Valid containment evacuation alarm is received.
 - 4.1.4 Excessive radioactive surface contamination levels due to a major spill of radioactive materials.
 - 4.1.5 Other emergency conditions that may endanger human life or health (i.e., fire, flooding, toxic gases, etc.).

ASSEMBLY AND ACCOUNTABILITY, RELEASE AND
EVACUATION OF PERSONNEL

- 4.2 An evacuation of non-essential personnel to offsite assembly areas shall be conducted under any of the following conditions:
- 4.2.1 Gross activity outside the protected area is greater than $5.3 \times 10^{-7} \mu\text{Ci/cc}$.
(This would result in a two-hour dose to the thyroid of 2 rem assuming the predominate isotope is I-131.)
 - 4.2.2 Projected doses in assembly areas are approaching or exceed the following:
 - a. Whole body gamma 1.5 rem
 - b. Thyroid 5 rem
 - c. Beta skin dose 3 rem
 - 4.2.3 Radiation levels in the exclusion areas outside the protected area are in excess of 10 mrem/hr whole body.
 - 4.2.4 Other emergency conditions that may endanger human life or health (i.e., fire, flooding, toxic gases, etc.) and the SM or TSC Manager has determined that non-essential personnel shall be evacuated to offsite assembly areas.
- 4.3 A full-site assembly and accountability shall be conducted under any of the following conditions:
- 4.3.1 A Site Emergency or higher classification has been declared.
 - 4.3.2 Radiation levels in general areas of the protected area exceed 100 mR/hr.
 - 4.3.3 Airborne activity in general areas of the protected area exceed derived air concentration and exposures are expected to exceed 40 DAC hours (equivalent to approximately 100 mR).
 - 4.3.4 Other emergency conditions in general areas of the protected area that may endanger human life or health (i.e., fire, flooding, toxic gases, etc.) AND the SM or TSC Manager has determined that assembly and accountability of all personnel is desired.

ASSEMBLY AND ACCOUNTABILITY, RELEASE AND
EVACUATION OF PERSONNEL

- 4.4 A full-site release of non-essential personnel shall be conducted under any of the following conditions:
 - 4.4.1 A Site Emergency or higher has been declared and assembly and accountability has been completed.
 - 4.4.2 Radiation levels in general areas of the protected area exceed 100 mR/hr.
 - 4.4.3 Airborne activity in general areas of the protected area exceed derived air concentration and exposures are expected to exceed 40 DAC hours (equivalent to approximately 100 mR).
 - 4.4.4 Other emergency conditions in general areas of the protected area that may endanger human life or health (i.e., fire, flooding, toxic gases, etc.) and the SM or TSC Manager has determined that non-essential personnel shall be released.

ASSEMBLY AND ACCOUNTABILITY, RELEASE AND
EVACUATION OF PERSONNEL

5.0 PROCEDURE

5.1 Limited Plant Evacuation

NOTE: **IF** a security event,
THEN contact Security to discuss the consequences of conducting a
limited plant evacuation and the appropriate actions to implement.

5.1.1 Remove Attachment A, Announcement of Protective Action, recording the
appropriate actions for the event and implementing the notification.

5.1.2 Contact the Radiation Protection Supervisor/Technologists to implement the
appropriate Radiation Protection practices.

NOTE: Unrestricted reentry to a(n) evacuated area(s) can be restored when it has
been determined by the SM and Radiation Protection Supervision that
there is no longer a hazard to personnel.

5.1.3 Evaluate the conditions and initiate actions to:

- a. isolate affected area(s).
- b. allow reentry to evacuated area(s).

5.1.4 **IF** the hazard continues to increase in severity,
THEN consider the implementation of Step 5.2, Full-Site Assembly and
Accountability.

5.1.5 Return this procedure section and completed Attachment A, Announcement of
Protective Action, to Emergency Preparedness or to the TSC Manager.

Performed By:

Performer (Print and Sign)

Date / Time

5.2 Full-Site Assembly and Accountability

Initial accountability starts from the site announcement (siren sounding/gai-tronics announcement) and needs to be completed within 30 minutes.

- Security will start the Accountability Card Reading Program two (2) minutes after the site announcement. This allows for personnel to exit areas that are not their normal work area (i.e., Control Room).
- CAS will receive the first report after 5 minutes.
- After 10 minutes, CAS prints a report or reviews the computer screen every minute until the number of unaccounted for personnel plateaus.
- When the number of unaccounted for personnel plateaus, CAS should notify the SM, or Security Coordinator if the TSC is activated that accountability is complete.

5.2.1 Notification of Personnel (Operations Coordinator if TSC Activated)

NOTE 1: IF a security event,
THEN contact Security to discuss the consequences of
conducting an assembly and the appropriate actions to
implement.

NOTE 2: When the TSC is activated, the responsibility for assembly,
accountability, release, and evacuation of personnel is
transferred from the SM to the TSC Manager.

- a. Contact CAS and direct Security to implement sections of their security plan, including:
 - Activating accountability readers
 - Notifying the SM when accountability in the protected area is achieved OR if personnel remain unaccounted for.
- b. IF a classified emergency,
THEN complete EPIP 1.1, Attachment A, Announcement of Classified Event and Protective Action,
ELSE complete Attachment A, Announcement of Protective Action, to implement the notification and actions to take.

ASSEMBLY AND ACCOUNTABILITY, RELEASE AND
EVACUATION OF PERSONNEL

- c. Remove and complete Attachment B, Notification of Personnel Outside the Protected Area, unless previously completed using EPIP 1.1, Attachment B.

IF the TSC is not activated

AND the Control Room personnel are unable to support this task due to critical events in progress,

THEN contact the Security Shift Commander and instruct to complete Attachment B.

5.2.2 Accountability (Security Coordinator if TSC is Activated)

NOTE 1: IF accountability of the protected area personnel is not complete within 30 minutes of an evacuation alarm, THEN make preparations to implement EPIP 10.1, Emergency Reentry.

NOTE 2: Teams dispatched from the Control Room shall be tracked by the SM or a designee until relieved by the OSC.

- a. Coordinate the accountability process with Security personnel and implement Attachment D, Accountability Announcement, if personnel remain unaccounted for AND/OR when accountability within the protected area has been achieved.

NOTE: In the absence of a designated Assembly Area Leader, anyone reporting may fulfill these duties.

- b. Assembly Area Leaders at each assembly area shall:

- Ensure personnel arriving are entering safely and quickly, remaining quiet during the assembly.
- Request assistance in the assembly area from other personnel as needed.
- Direct personnel arriving to sign-in on Attachment E, Assembly Area Accountability Sign-In, (excluding the CR, TSC, OSC, EOF, OSRPF, and RP Station unless the accountability readers are inoperable).

ASSEMBLY AND ACCOUNTABILITY, RELEASE AND
EVACUATION OF PERSONNEL

- IF time permits,
THEN direct all personnel to complete Attachment F, Event Involvement Summary, (excluding the CR, TSC, OSC, EOF, OSRPF, and RP Station).
 - Distribute Attachment G, Personnel "Release From Site" Information, to each person reporting to the assembly area.
 - Update Attachment E, Assembly Area Accountability Sign-In, as personnel arrive at, or depart from, the assembly area. Personnel shall only leave the assembly area if
 - (a) a valid request is received from an emergency response facility to assist in the event.
 - (b) specific directions are received from the TSC Manager, or designee, to conduct a release of personnel from site.
 - Maintain accountability if personnel are relocated to a different assembly area.
 - Provide information from completed Attachment E, Assembly Area Accountability Sign-In, to CAS, as requested.
 - _____ in the TSC at _____, only if critical concerns arise.
- c. Return this procedure section and any completed Attachments to Emergency Preparedness or to the TSC Manager.

Performed By:	
_____	_____/_____ Date / Time
Performer (Print and Sign)	

5.3 Release of Non-Essential Personnel from Site (Security Coordinator and Rad/Chem Coordinator if TSC is Activated)

NOTE: Step 5.2 shall be completed prior to this section.

5.3.1 **IF** the Rad/Chem Coordinator and Offsite Radiation Protection Coordinator determine radiological monitoring of personnel and vehicles is required prior to leaving the site property
OR ANY initial conditions per Step 4.2 have been met,
THEN exit this section and go to Step 5.4.

5.3.2 Identify and direct represented personnel from the following disciplines to stay in immediate support of the event:

- a. CO Reentry; i.e., training or relief crews (4)
- b. AO Reentry; i.e., training or relief crews (4)
- c. Offsite RP Reentry (6)
- d. Onsite RP Reentry (4)
- e. Mechanical Reentry (4)
- f. Electrical Reentry (4)
- g. I&C Reentry (4)
- h. Chemistry Reentry (4)

5.3.3 Complete Attachment I, Evacuation Routes, if personnel should avoid certain areas upon release.

5.3.4 Prior to the release of personnel from site, the Security Coordinator should:

- a. Advise the Offsite Assembly Area Coordinator of the release and any impact on Offsite Radiation Protection Coordinator and SBCC Security.
- b. Direct Security to collect all dosimetry prior to release from assembly areas and/or site boundaries.
- c. Contact Manitowoc and Kewaunee County Emergency Managements for traffic control if needed.

ASSEMBLY AND ACCOUNTABILITY, RELEASE AND
EVACUATION OF PERSONNEL

- 5.3.5 Contact each Assembly Area Leader and direct them to provide instructions to assembled personnel to:
- a. Exit via their usual gatehouse (unless otherwise instructed).
 - b. Follow instructions of Security and/or RP in regards to badges and dosimetry.
 - c. Proceed to a designated area or to their homes (reception area if home has been evacuated) per routes on Attachment I, Evacuation Routes, if applicable, and remain available.
- 5.3.6 Return this procedure section and completed Attachment I to Emergency Preparedness or to the TSC Manager. Exit this procedure.

Performed By:

Performer (Print and Sign)

/_____
Date / Time

5.4 Evacuation of Non-Essential Personnel to Offsite Assembly Areas (Security Coordinator and Rad/Chem Coordinator if TSC is Activated)

NOTE: **IF the Two Creeks Town Hall and/or Two Rivers National Guard Armory are to be used for personnel assembly, THEN verify Security has contacted those agencies to make the facility available for an assembly area prior to the evacuation of personnel.**

- 5.4.1 Identify and direct represented personnel from the following disciplines to stay in immediate support of the event:
- a. CO Reentry; i.e., training or relief crews (4)
 - b. AO Reentry; i.e., training or relief crews (4)
 - c. Offsite RP Reentry (6)
 - d. Onsite RP Reentry (4)
 - e. Mechanical Reentry (4)
 - f. Electrical Reentry (4)
 - g. I&C Reentry (4)
 - h. Chemistry Reentry (4)
- 5.4.2 Complete Attachment I, Evacuation Routes, to determine specific routes that should be taken to offsite assembly areas, including the information in the announcement or forwarding to the Assembly Area Leaders as appropriate.
- 5.4.3 The Security Coordinator should:
- a. Coordinate the evacuation with the Rad/Chem Coordinator and/or Offsite Radiation Protection Coordinator to establish radiological monitoring of personnel and vehicles per Step 5.4.5, prior to personnel leaving the property if time permits.
 - Establish a monitoring and/or decontamination station for personnel and vehicles at one or more of the following locations:
 - (a) Site Boundary Control Center
 - (b) Two Creeks Town Hall

(c) Two Rivers National Guard Armory

(d) Along the evacuation route, if appropriate

- IF extensive contamination of vehicles is encountered,
THEN impound non-essential vehicles within posted area for later decontamination. Coordinate decontamination efforts of essential vehicles with:

(a) Kewaunee Nuclear Power Plant,

(b) Wisconsin Public Service Corporation in Two Rivers,

(c) Manitowoc County Emergency Management at Roncalli High School.

b. Instruct Security to establish a check point at each offsite assembly area.

c. Advise the Offsite Assembly Area Coordinator of the release and any impact on Offsite Radiation Protection Coordinator and SBCC Security.

d. Contact Manitowoc and Kewaunee County Emergency Managements for traffic control if needed.

5.4.4 If an assembly was conducted, contact each Assembly Area Leader and direct them to provide instructions to assembled personnel to:

a. Exit via their usual gatehouse (unless otherwise instructed).

b. Follow instructions of Security and/or RP in regards to badges and dosimetry.

c. Proceed to the designated offsite assembly area(s).

d. Upon release from the assembly area, return to a designated area or to their homes (reception area if their home has been evacuated) per routes on Attachment I and remain available.

ASSEMBLY AND ACCOUNTABILITY, RELEASE AND
EVACUATION OF PERSONNEL

5.4.5 Guidelines For Vehicle Surveys

- a. A representative smear survey and frisk are required prior to release of vehicles if an airborne release of radioactive materials has occurred or is suspected.
- b. Smears should be taken of vehicle surfaces and tires, including tread.
 - A direct $\beta\gamma$ frisk may be taken of a representative portion of the vehicle surface only if the ambient count rate is < 200 cpm.
 - $\beta\gamma$ smears and frisk results of vehicles with beta/gamma contamination \geq background should be decontaminated prior to release.
- c. Return this procedure section and completed Attachment I to Emergency Preparedness or to the TSC Manager.

Performed By:

Performer (Print and Sign)

Date / Time

ASSEMBLY AND ACCOUNTABILITY, RELEASE AND
EVACUATION OF PERSONNEL

5.5 Reentering the Site

- 5.5.1 IF public protective measures have been implemented,
THEN verify access to the plant site has been pre-arranged between the Security Coordinator, Manitowoc and Kewaunee County Sheriff's Department, and the Manitowoc and Kewaunee County Emergency Operations Centers (EOCs).
- 5.5.2 Notify Security to allow Emergency Response Organization and NRC personnel with picture IDs onsite. Personnel without IDs shall be assessed on a case-by-case basis with the Offsite Assembly Area Coordinator.

6.0 REFERENCES

- 6.1 EP 5.0, Organizational Control of Emergencies
- 6.2 EP 6.0, Emergency Measures
- 6.3 PBSRP 1.6.1, Plant Emergency Evacuation Response

7.0 BASES

- B-1 NUREG 0654, Criteria for Preparation and Evaluation of Radiological Response Plans and Preparedness in Support of Nuclear Power Plants
- B-2 10 CFR 50.47(b), Emergency Plans
- B-3 10 CFR 50.47, Appendix E. IV, Content of Emergency Plans

ASSEMBLY AND ACCOUNTABILITY, RELEASE AND
EVACUATION OF PERSONNEL

ATTACHMENT A
ANNOUNCEMENT OF PROTECTIVE ACTION

- ☐ Sound the plant evacuation alarm (and fire alarm, if appropriate)
- ☐ Sound the fisherman's alarm (if full site assembly)
- ☐ Make the following announcement

"ATTENTION ALL PERSONNEL. ATTENTION ALL PERSONNEL. CONDITIONS AT THE PLANT WARRANT A:

- ☐ LIMITED PLANT EVACUATION OF THE FOLLOWING AREAS (ref Step 4.1):

ALL PERSONNEL IN THESE AREA(S) REPORT TO THE:

- ☐ (In RCA) RP STATION
- ☐ (Outside RCA) NORTH SERVICE BUILDING CAFETERIA
- ☐ (Other) _____

AND AWAIT FURTHER INSTRUCTIONS."

- ☐ FULL SITE ASSEMBLY AND ACCOUNTABILITY (Required at Site Emergency, Optional Earlier ref EPIP 6.1, Step 4.3)

ALL PERSONNEL REPORT TO:

- ☐ YOUR ASSIGNED ASSEMBLY AREA
 - ☐ NORTH SERVICE BUILDING CAFETERIA
 - ☐ ADMIN BUILDING EL 26' OFFICE AREA
 - ☐ ENGINEERING BUILDING CAFETERIA
 - ☐ TRAINING BUILDING NORTH FOYER
 - ☐ WAREHOUSE #4
 - ☐ (OTHER) _____
- ☐ TWO CREEKS TOWN HALL (ref Step 4.2):
- ☐ TWO RIVERS NATIONAL GUARD ARMORY (ref Step 4.2):

AND PERFORM ACCOUNTABILITY.

EXIT THROUGH

- ☐ THE SOUTH GATEHOUSE
- ☐ THE NORTH VEHICLE GATE (Only if the South Gatehouse Unavailable)

(IF filled in, THEN announce:) AVOID THE FOLLOWING AREA(S) WHEN ASSEMBLING:

THE PLANT CONDITIONS REQUIRING THIS ACTION ARE:

- ☐ REPEAT ALARM AND ANNOUNCEMENT

Return the completed form to Emergency Preparedness or TSC Manager.

ATTACHMENT B
NOTIFICATION OF PERSONNEL OUTSIDE THE PROTECTED AREA

1.0 PBNP AUTOMATED NOTIFICATION SYSTEM

NOTE 1: Listen carefully because the system will give you other options. To expedite the notification process, the following steps have been written to only list the specific voice prompt you need, at which time you can immediately respond without listening to the remaining prompt.

NOTE 2: If at any point you want to exit the system and start over, you should keep slowly pressing the "#" key until the system says "goodbye" and restart the entire process.

1.1 IF PBNP Automated Notification System is unavailable,
THEN go to Step 2.0 PBX BROADCAST SYSTEM.

1.2 From any on-site telephone, dial _____ to access the PBNP Automated Notification System.

1.3 When prompted "Please enter your scenario activation password," enter "111222333#" using the keypad on the telephone.

1.4 When prompted "To start a scenario enter the scenario ID....," enter "700#."

1.5 Press "2" to select recording a new message. Other voice prompts will be given but you do not have to listen to the options.

1.6 When prompted "After the tone, speak the new message....," read Attachment A, Announcement of Protective Action and press "#." (Your message will automatically play back).

1.7 Press "3" to start the scenario. Other voice prompts will be given if you want to replay your message or rerecord it.

1.8 When prompted, "The scenario is building," press "#", listen to "good-bye" and hang up.

1.9 IF Step 1.0 was successful,
THEN return to procedure Step 5.2.2
OR go to next step if NOT successful.

Completed By _____ Date/Time _____

ASSEMBLY AND ACCOUNTABILITY, RELEASE AND
EVACUATION OF PERSONNEL

ATTACHMENT B
NOTIFICATION OF PERSONNEL OUTSIDE THE PROTECTED AREA

2.0 PBX BROADCAST SYSTEM

2.1 Notification of Personnel Outside Protected Area on South Side of Plant

From a touch-tone phone, dial

- 2.1.1 to access voice system
- 2.1.2 when prompted for mailbox
- 2.1.3 when prompted for password
- 2.1.4 75 to compose message
- 2.1.5 8003# and 8004## when prompted
- 2.1.6 5 when prompted
- 2.1.7 Read Attachment A, Announcement of Protective Action, and press # when done recording.
- 2.1.8 79 to send message
- 2.1.9 83 to exit PBX Broadcast System.

2.2 Notification of Personnel Outside Protected Area on North Side of Plant

From a touch-tone phone, dial

- 2.2.1 to access voice system
- 2.2.2 when prompted for mailbox
- 2.2.3 when prompted for password
- 2.2.4 75 to compose message
- 2.2.5 8003## when prompted
- 2.2.6 5 when prompted

ATTACHMENT B
NOTIFICATION OF PERSONNEL OUTSIDE THE PROTECTED AREA

- 2.2.7 Read Attachment A, Announcement of Protective Action, and press # when done recording.
- 2.2.8 79 to send message
- 2.2.9 83 to exit PBX Broadcast System.
- 2.3 Return to procedure Step 5.2.2.

Completed By _____ Date/Time _____

Return the completed form to Emergency Preparedness or TSC Manager

ATTACHMENT C
EVACUATION OF THE POINT BEACH ENERGY CENTER

NOTE: This attachment is to be completed by the Supervisor - Point Beach Energy Center or a designee upon direction from the Shift Manager (SM).

- 1.0 Instruct all Energy Center staff to gather the general public from the Energy Center and surrounding nature trails, providing them with the following directions:
 - 1.1 ALERT or SITE EMERGENCY - Direct all people to leave the PBNP property immediately.
 - 1.2 GENERAL EMERGENCY - Direct all people to:
 - 1.2.1 Drive to the SBCC,
 - 1.2.2 Remain in their vehicles, and
 - 1.2.3 Follow directions of Security or Radiation Protection personnel.
- 2.0 Record the number of people affected and confirm their departure: ____/____
- 3.0 Secure the building.
- 4.0 Inform Security that the Energy Center has been evacuated and ask them to assume responsibility for the area.
- 5.0 Report to the NES Building Cafeteria and await further instructions.

Completed By: _____

Date/Time ____/____

Return the completed form to Emergency Preparedness or TSC Manager.

ATTACHMENT D
ACCOUNTABILITY ANNOUNCEMENT

This announcement is to be made by the Shift Manager or a designee, upon completion of the accountability process.

- ☐ **IF** all persons are accounted for,
THEN make the following announcement over the Gai-tronics system:

**"ATTENTION ALL PERSONNEL. ATTENTION ALL PERSONNEL.
INITIAL ACCOUNTABILITY HAS BEEN COMPLETED AND ALL PERSONS
ARE ACCOUNTED FOR. MAINTAIN ACCOUNTABILITY THROUGHOUT
THE EMERGENCY. REMAIN IN YOUR ASSEMBLY AREAS FOR FURTHER
INSTRUCTIONS."**

Repeat the announcement.

- ☐ **IF** some persons remain unaccounted for,
THEN make the following announcement over the plant Gai-tronics system:

**"ATTENTION ALL PERSONNEL. ATTENTION ALL PERSONNEL.
INITIAL ACCOUNTABILITY HAS BEEN COMPLETED AND THE
FOLLOWING PERSONS REMAIN UNACCOUNTED FOR:**

**IF YOU HAVE ANY INFORMATION REGARDING THE WHEREABOUTS
OF THESE INDIVIDUALS, PROVIDE THAT INFORMATION TO:**

- ☐ C.A.S.
☐ Other _____."

Repeat the announcement.

Return the completed form to Emergency Preparedness or TSC Manager.

Revision 21
June 14, 2002

Assembly Area: _____
Assembly Area Leader: _____

[illegible]

REFERENCE USE

ASSEMBLY AND ACCOUNTABILITY, RELEASE AND
EVACUATION OF PERSONNEL

ATTACHMENT F
EVENT INVOLVEMENT SUMMARY

Name: _____
Home Telephone: _____
Address: _____

Event Date: _____
Report Date: _____
Report Time: _____

INSTRUCTIONS:	To assist in reconstructing the event, <u>describe</u> any knowledge of, or involvement with, the emergency event and/or event response.
----------------------	--

(Use the back of this page if necessary.)

Return the completed form to the Assembly Area Leader prior to release.

ATTACHMENT G
PERSONNEL "RELEASE-FROM-SITE" INFORMATION

1.0 ACTIONS UPON RELEASE FROM SITE

- 1.1 Follow instructions of Security and/or RP in regards to badges and dosimetry.
- 1.2 Listen to the Assembly Area Leader for routes and specific directions.

2.0 MEDIA

If contacted by media representatives for information about the emergency event, DO NOT CONSENT to interviews; instead, direct them to obtain official information from the Joint Public Information Center (JPIC), located at Wisconsin Public Service Corporation, 700 North Adams Street, in Green Bay, Wisconsin.

3.0 ELECTRONIC MAIL

The sites LAN network is another method of getting information to active KPB employees, utilizing your normal LAN User ID and personal e-mail directory.

- 3.1 At an Internet web browser address box, type in <http://www.nmcco.com/exchange> and press **Enter**.
- 3.2 Enter your personal e-mail login information used at the site with the following exception: Enter your user name including your domain with a "\". An example is **hu\lsu12**, with the hu being for Hudson. The domain for Point Beach is **pb** and domain for Kewaunee is **k**.
- 3.3 Enter your normal password (no exceptions).

4.0 NUMBERS TO CALL FOR ADDITIONAL INFORMATION

- 4.1 Public Information Hotline at _____ (Event Status)
- 4.2 Voice Mail Box at Personal KPB Site Workstation (Event Status)
- 4.3 _____ at _____ (Return to Work During Event)

5.0 COUNTY RECEPTION AREAS IF PUBLIC EVACUATION WAS COMMENCED

- 5.1 Reception Center in Manitowoc County is Manitowoc County Highway Department on CTH 310, west of the City of Two Rivers..
- 5.2 Reception Center in Kewaunee County is Algoma High School located at 1715 Division Street in that city.
- 5.3 Red Cross workers at county reception centers will help workers locate their families if they were evacuated.

ASSEMBLY AND ACCOUNTABILITY, RELEASE AND
EVACUATION OF PERSONNEL

ATTACHMENT H
DELETED ATTACHMENT

EPIP 6.1
NNSR
Revision 21
June 14, 2002

Revision 21
June 14, 2002

REFERENCE USE