

NRC 2001-056

August 14, 2001

Document Control Desk
U.S. Nuclear Regulatory Commission
Mail Station P1-137
Washington, DC 20555

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 August 9, 2001, should be filed in your copy of the manual in accordance with the attached instructions.

Sincerely,



T. J. Webb
Licensing Director

Enclosures

cc: NRC Resident Inspector (w/o/e)

A045

August 9, 2001

The following changes have been made to the (EPIP) Manual. Please **REMOVE** and **DESTROY** the previous revision(s) and replace them **IMMEDIATELY** with the current revision(s) that are attached.

EPIP Index, Revision 74.

EPIP 1.1, Course of Actions, Revisions 37.

INDEX

PROCEDURE NUMBER	PROCEDURE TITLE	REVISION NUMBER		EFFECTIVE DATE	PERIODIC REVIEW DATE
EPIP 1.1	Course of Actions	37	C	08/09/01	08/09/01
EPIP 1.2	Emergency Classification.....	34	R	11/20/00	11/20/00
EPIP 1.3	Dose Assessment and Protective Action Recommendations.....	27	R	06/27/00	06/27/00
EPIP 2.1	Notifications - ERO, State & Counties, and NRC.....	22	R T	08/03/01	03/20/01
EPIP 4.1	Technical Support Center (TSC) Activation and Evacuation.....	30	R	11/20/00	11/20/00
EPIP 4.2	Operations Support Center (OSC) Activation and Evacuation.....	14	R	11/30/99	11/20/00
EPIP 4.3	Emergency Operations Facility (EOF) Activation and Evacuation.....	24	R	11/20/00	11/20/00
EPIP 4.7	Offsite Radiation Protection Facility (OSRPF) Activation and Evacuation.....	1	R	11/20/00	11/20/00
EPIP 5.1	Personnel Emergency Dose Authorization	13	R	07/26/00	07/26/00
EPIP 5.2	Radioiodine Blocking and Thyroid Dose Accounting.....	13	R	03/20/01	03/20/01
EPIP 6.1	Assembly and Accountability, Release and Evacuation of Personnel	19	R	11/20/00	11/20/00
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

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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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List pages used for Partial Performance

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COURSE OF ACTIONS

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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 Duty Shift Superintendent (DSS) is responsible for this procedure.
- 2.1.2 The DSS is responsible for taking immediate actions to mitigate the consequences of the emergency.
- 2.1.3 The DSS 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 DSS 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.

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5.0 PROCEDURE

Date/Time entered	/
Reason entered	

	<u>Initials</u>	<u>Time</u>
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 5.17) may be marked "not applicable."		
5.1 Implement procedures, or take other actions as required, to place the affected unit(s) in a safe condition.	_____	_____
5.2 Verify the on-shift Shift Technical Advisor (STA) is in the Control Room.	_____	_____
5.3 Direct the Security Shift Commander to report to the Control Room.	_____	_____
5.4 Initiate EPIP 1.2, Emergency Classifications, to determine if an emergency classification is required.	_____	_____
5.5 Complete Attachment A, Announcement of Classified Event, and make the plant Gai-Tronics announcement.	_____	_____
5.6 <u>IF</u> normal working hours, <u>THEN</u> implement EPIP 6.1, Attachment B to notify personnel outside the protected area, repeating the announcement completed in Step 5.5 <u>OR IF</u> outside normal working hours, then implement EPIP 6.1, Attachment B, after notifications in Step 5.7.	_____	_____

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		Initials	Time
<p>NOTE: <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 			
5.7	Initiate EPIP 2.1, "Notifications - ERO, State & Counties, and NRC."		
<p>NOTE: Assign personnel to make each notification.</p>			
5.7.1	Emergency Response Organization (pager activation) Use EPIP 2.1, Section 5.1.	_____	_____
5.7.2	State & Counties (within 15 minutes of declaration) Use EPIP 2.1, Section 5.2 and Attachment B, Nuclear Accident Reporting Form.	_____	_____
5.7.3	Personnel in Exclusion Area and KNPP Control Room. Use EPIP 2.1, Section 5.3.	_____	_____
5.7.4	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.	_____	_____
5.8	<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.	_____	_____
5.9	<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. (Reference EPIP 10.1, Emergency Reentry)	_____	_____
5.10	Dispatch and track reentry teams until this responsibility is assumed by the OSC.	_____	_____
5.11	<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.	_____	_____

COURSE OF ACTIONS

Initials

Time

CAUTION

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

- | | | | |
|--------|--|--|--|
| 5.12 | Implement the appropriate sections of EPIP 6.1, Assembly and Accountability, Release and Evacuation of Personnel, for the following circumstances: | | |
| 5.12.1 | Limited plant evacuation. | | |
| 5.12.2 | Full-site assembly and accountability (Site Emergency or higher unless desired earlier). | | |
| 5.12.3 | Release of personnel (no radiological impediments). | | |
| 5.12.4 | Evacuation of site to offsite assembly areas (includes radiological monitoring prior to leaving the plant site). | | |
| 5.13 | <u>IF</u> Alert or higher,
<u>THEN:</u> | | |
| 5.13.1 | Activate Emergency Response Data System (ERDS) per EPIP 4.1, Attachment E, Activation of Emergency Response Data System (ERDS) (60 minutes of declaration). | | |
| 5.13.2 | Issue high range dosimetry to Control Room personnel. | | |
| 5.13.3 | Ensure backshift RPTs and RCTs have high range dosimetry. | | |
| 5.14 | <u>IF</u> the event is a General Emergency
<u>AND</u> the following criteria is met,
<u>THEN</u> implement expanded PARS of evacuation for 0-5 miles all sectors and 5-10 miles downwind sectors. (Reference Step 6.13) | | |
| 5.14.1 | Substantial core damage in progress or projected (>20%) (> 30,000 R/hr in containment high radiation monitors) | | |
| 5.14.2 | Large fission product inventory in containment (more than GAP) (LOSS criteria for RCS barrier in EPIP 1.2, Attachment C, exceeded) | | |
| 5.14.3 | Imminent projected containment failure or release underway (LOSS criteria for containment barrier in EPIP 1.2, Attachment C, exceeded) | | |

COURSE OF ACTIONS

	<u>Initials</u>	<u>Time</u>
5.15 <u>IF</u> event involves a liquid release to the lake, <u>THEN</u> notify local water utilities per Offsite Agency Call List, ETD 02.	_____	_____
5.16 <u>IF</u> TSC and/or EOF are <u>NOT</u> activated, <u>THEN</u> ensure periodic status updates are provided to the State, Counties, and NRC per EPIP 2.1.	_____	_____
5.17 <u>IF</u> activating the Emergency Response Facilities, <u>THEN</u> provide a turnover briefing to TSC Manager upon arrival in the Control Room.		
5.17.1 Plant status		
5.17.2 Notifications status and current EPIP 2.1, Attachment B form		
5.17.3 Protected Worker Log		
5.17.4 Assembly and accountability status	_____	_____
5.18 Conduct a formal turnover of responsibilities to Emergency Response Facilities as they are activated.		
5.18.1 Technical Support Center (TSC)		
a. Plant assessment on classification recommendations per EPIP 1.2	_____	_____
b. Onsite protective actions	_____	_____
c. Onsite radiological assessment	_____	_____
d. NRC Notifications per EPIP 2.1	_____	_____
e. Assembly and Accountability, Release and Evacuation of Personnel per EPIP 6.1	_____	_____
5.18.2 Operations Support Center (OSC)		
a. Tracking dispatched reentry teams (repair, fire, search and rescue)	_____	_____
b. Tracking of non-PBNP/WE repair teams inside/outside protected area (switchyard, contractors, etc.)	_____	_____
c. Medical emergencies per EPIP 11.2	_____	_____

COURSE OF ACTIONS

	<u>Initials</u>	<u>Time</u>
5.18.3 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	_____	_____
5.19 Initiate a condition report associated with the event and insert a copy in the Operations Notebook (reference Step 6.12) and exit this procedure. Return this procedure to Emergency Preparedness.	_____	_____

6.0 REFERENCES

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

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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

Sound the evacuation alarm and 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

THESE CONDITIONS ARE:

(Announce if ALERT or higher-skip this section if previously announced) **ALL ERO PERSONNEL REPORT TO YOUR ASSIGNED EMERGENCY RESPONSE FACILITY.**

(IF filled in, THEN announce) **AVOID THE FOLLOWING AREAS:**

REPEAT ALARM AND ANNOUNCEMENT.