

NRC 01-0081

November 26, 2001

Regional Administrator, Region III  
U. S. Nuclear Regulatory Commission  
801 Warrenville Road  
Lisle, IL 60532-4351

Ladies/Gentlemen:

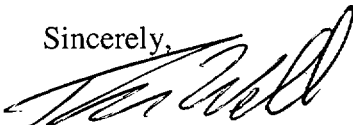
DOCKETS 50-266 AND 50-301  
EMERGENCY PREPAREDNESS EXERCISE SCENARIO  
POINT BEACH NUCLEAR PLANT, UNIT 1 AND 2

Enclosed please find the draft scope and objectives for the Point Beach Nuclear Plant 2002 Emergency Preparedness Exercise. The detailed scenario and associate controller packages will be provided by January 11, 2002.

The Exercise is scheduled for February 12, 2002.

If there are any questions or comments regarding this information, please contact Mr. Michael A. Kelley, Emergency Preparedness Coordinator, at 920/755-6343.

Sincerely,



T. J. Webb  
Licensing Director

Enclosure

cc: PSCW (w/o enclosure)  
Mr. T. J. Ploski, NRC Region III (w/enclosure)  
NRC Resident Inspector  
NRC Document Control Desk (w/o enclosure)  
WI Department of Emergency Government (w/enclosure)

## **1.0 SCOPE AND OBJECTIVES**

### **1.1 Scope**

The 2002 Point Beach Nuclear Plant (PBNP) emergency exercise to be conducted on February 12, 2002 will be a partial-scale exercise. This Exercise will test PBNP Emergency Response Organizations ability to assess and respond to (simulated) emergency conditions and coordinate efforts with other agencies for protection of the health and safety of the public. This Exercise will also test significant portions of the Radiological Emergency Response Plans/Procedures of the State of Wisconsin, Manitowoc County, and Kewaunee County.

The scenario, driven by the PBNP Control Room Simulator, will depict a simulated sequence of events that result in escalating conditions of sufficient magnitude to warrant mobilization of State and local agencies to respond to the simulated emergency.

The Exercise will be a one-day event commencing at approximately 0710 hours on February 12, 2002 and ending at approximately 1400 hours.

PBNP will fully participate and respond. All PBNP Emergency Response Facilities will be activated as required by the simulated accident.

The State of Wisconsin, will partially respond. They will activate their facilities but simulate their mobile laboratory and field teams. Manitowoc County, and Kewaunee County will fully respond per their objectives on Exercise Day.

### **1.2 Point Beach Nuclear Plant Objectives**

The Point Beach Nuclear Plant 2002 Emergency Preparedness Exercise Program objectives are based on the NRC requirements delineated in 10 CFR 50.47 and 10 CFR 50, Appendix E and Inspection Procedure 82302. Additional guidance provided in NUREG-0654, NUREG-0696, and NUREG-0737 Supplement 1, was utilized in developing these objectives.

The overall objective of the Exercise is to evaluate the integrated capability of a major portion of the basic elements existing within the onsite and offsite emergency plans and emergency response organizations. Within this overall objective, individual objectives are specified in this section.

The objectives are divided into subsections as follows:

- 1.2.1 Assessment and Classification
- 1.2.2 Notification and Communications
- 1.2.3 Radiological Assessment and Protective Actions
- 1.2.4 Emergency Facilities
- 1.2.5 Emergency Direction and Control
- 1.2.6 Public Information
- 1.2.7 Reentry and Recovery
- 1.2.8 Offsite Agency Coordination
- 1.2.9 NRC Inspector Follow-up Items and Utility Objectives

At the conclusion of the critique, each objective will receive one of three rankings as follows:

**Satisfied** - Performance which exceeded expectations or solid performance with only minor problems noted. (Strength or satisfactory)

**Partially Satisfied** - Performance was adequate with problems noted that would NOT affect our ability to protect the health and safety of the public and/or plant personnel, but for which improvement is required. (Improvement Item or weakness)

**Not Satisfied** - Inadequate performance with serious problems noted which would affect our ability to protect the health and safety of the public and/or plant personnel.

**N/D** - Not demonstrated, scenario events did not require demonstration.

**N/O** - Not observed, may have been performed, but was not observed.

Weaknesses and deficiencies will be entered into the PBNP corrective action program for tracking and resolution.

NOTE: 10 CFR 50, Appendix E requires that "...all training, including exercises, provide for formal critiques in order to identify weak or deficient areas that need correction. Any weaknesses or deficiencies that are identified shall be corrected." Comments are to be used to identify areas needing improvement.

**POINT BEACH NUCLEAR PLANT**  
**February 12, 2002 Exercise Objectives**

***Assessment and Classification***  
***Demonstrate the ability to...***

**1.2.1.a DETECT and properly ASSESS plant conditions which warrant an emergency classification and perform core damage assessments when**

Quickly recognize and categorize out of tolerance or abnormal readings and trends which require entry into an Emergency Action Level.

Actions performed in accordance with applicable procedures.

Core damage is estimated through analysis of reactor coolant, containment atmosphere and the containment sump, as appropriate.

Data is provided for use in emergency classification, protective actions, and emergency response.

Monitor conditions to determine impact on plant and public safety, including classifications and protective actions

***Assessment and Classification***  
***Demonstrate the ability to...***

**1.2.1.b Correctly CLASSIFY an emergency event.**

PROMPTLY classify emergency using EALs based on plant conditions. Confirm classification by dose calculations or monitoring when possible.

Multiple event categories are evaluated (if appropriate) and the highest emergency classification chosen.

Events are upgraded or downgraded as conditions change.

Upon classifying the emergency, immediate actions are implemented per procedures.

***Notification and Communication***  
***Demonstrate the ability to...***

**1.2.2.a ALERT, NOTIFY, and MOBILIZE the onsite Emergency Response Organization.**

Mobilization level is based on the emergency classification or management judgment.

ERO is promptly alerted and notified using the Gai-tronics, pagers, security sweeps,

*Notification and Communication*  
*Demonstrate the ability to...*

**1.2.2.b WARN all personnel within the Owner-Controlled Area of emergency classification(s) and to advise on expected actions.**

Personnel within the Owner-Controlled Area, including the Protected Area, are notified of an emergency classification and provided instructions on actions to be taken.

Personnel are notified using the Gai-tronics, evacuation alarm, Security sweep, and Fisherman Alert, as appropriate.

Instructions are provided regarding hazards and assembly areas, as appropriate.

*Notification and Communication*  
*Demonstrate the ability to...*

**1.2.2.c MAKE initial notifications to the State and Counties within fifteen (15) minutes of declaring an emergency.**

State and County dispatchers are notified via the two-digit dial-select phone or backup.

Message is verified by having one of the agencies repeating back the information.

*Notification and Communication*  
*Demonstrate the ability to...*

**1.2.2.d NOTIFY the NRC within one (1) hour of an emergency classification.**

NRC is immediately notified via the ENS or backup means following state/county notification.

Continuous communications are maintained with the NRC, if requested.

ERDS is activated within one hour of the declaration of an ALERT or higher

*Notification and Communication*  
*Demonstrate the ability to...*

**1.2.2.e PROVIDE information on current and updated conditions to the State and Counties at least hourly.**

Updates are provided regarding a major change in plant/radiological status, at the request of the State and/or Counties, or at least hourly.

Offsite officials are updated on emergency conditions, emergency classifications, activation of the ERO and ERFs, recommended protective actions, radiological release status, potentially affected populations, projected doses, and any changes in these conditions.

*Notification and Communication*  
*Demonstrate the ability to...*

**1.2.2.f PROVIDE information updates to the NRC at least hourly through ENS and HPN.**

An open line with the NRC is maintained, if requested.

Updates are provided regarding a major change in plant/radiological status, at the request of the NRC, or at least hourly.

NRC is updated on emergency conditions, emergency classifications, activation of the ERO and ERFs, recommended protective actions, radiological release status, potentially affected populations, projected doses, and any changes in these

*Notification and Communication*  
*Demonstrate the ability to...*

**1.2.2.g OBTAIN current meteorological and radiological data from onsite or offsite monitoring equipment, as well as laboratory analysis from offsite**

Data is obtained from primary sources (PPCS, strip charts) or backup sources (National Weather Service, Two Rivers Coast Guard, Kewaunee Nuclear site).

Data is obtained from the PPCS, RMS-CT, annunciator panels, or direct instrument readings.

Samples are delivered to the TSC or EOF count rooms or the Kewaunee Nuclear site.

*Radiological Assessment and Protective Actions*  
*Demonstrate the ability to...*

**1.2.3.a VERIFY the habitability of the plant and emergency response facilities.**

Monitor plant conditions (high radiation, radiological release; hazardous material release; fire, flooding, equipment failure) impacting upon facility habitability or personnel safety, including the assembly areas.

Facility, assembly area, and gatehouse(s) radiation monitors are operating and being monitored.

Facilities and personnel are notified of hazards and appropriate protective actions are implemented.

***Radiological Assessment and Protective Actions***  
***Demonstrate the ability to...***

**1.2.3.b RECOMMEND appropriate protective actions (PARs) to the state/county authorities within 15 minutes of a protective action decision.**

PARs are made within 15 minutes of a protective action recommendation.

Initial protective actions are determined and recommended without waiting for a dose assessment.

PARs are re-evaluated following any significant change in conditions such as release rate changes, wind and weather variations, stability class, or significant changes in field monitoring reports.

***Radiological Assessment and Protective Actions***  
***Demonstrate the ability to...***

**1.2.3.c ISSUE personnel dosimetry, TRACK, MONITOR, and DOCUMENT radiological exposure to emergency response personnel.**

Personal dosimetry is issued promptly in all emergency response facilities..

Measures are implemented to ensure frequent dosimetry checks, if appropriate.

Accurate, up-to-date individual exposure records are maintained and retrievable for emergency response personnel.

Records of previous exposures received are integrated into the current record to present an up-to-date record.

***Radiological Assessment and Protective Actions***  
***Demonstrate the ability to...***

**1.2.3.d PROVIDE respiratory protection equipment and protective clothing to emergency personnel.**

Equipment and protective clothing is appropriate to the conditions known or expected.

Equipment is in good condition, operable, correctly sized, and inspections up-to-date.

Personnel meet all the necessary qualifications for the reentry team they are

***Radiological Assessment and Protective Actions***

***Demonstrate the ability to...***

**1.2.3.e CONTROL onsite contamination, including access control, food and drinking water control, and the restoration of areas to normal access.**

Contamination control is established for each emergency response facility (include frisking and step-off pads).

Contaminated areas are promptly located and posted.

ERO personnel are promptly informed of contaminated areas and contamination controls.

Contamination maps are promptly posted and updated.

Food and beverage consumption in contaminated or potentially contaminated areas is

***Radiological Assessment and Protective Actions***

***Demonstrate the ability to...***

**1.2.3.f PROVIDE for radiological monitoring of site evacuees.**

Vehicles and personnel are monitored in an organized manner.

Contamination action levels are established for screening personnel and vehicles.

***Emergency Response Facilities***

***Demonstrate the ability to...***

**1.2.4.a STAFF and ACTIVATE the ERFs within time requirements.**

The TSC, OSC, EOF, and OSRPF are activated within one hour of the declaration of an ALERT or higher emergency classification.

The JPIC is activated at the declaration of an ALERT EMERGENCY or higher emergency classification.

***Emergency Response Facilities***

***Demonstrate the ability to...***

**1.2.4.b SUPPORT 24 hour operations.**

The ERO has sufficient depth of qualified people to support 24 hour operations.

Staffing plans to include shift rosters are prepared for long-term emergency response.



*Emergency Direction and Control*  
*Demonstrate the ability to...*

**1.2.5.a    TRANSFER ERO responsibility, per procedure, from facility to facility.**

Prior to the activation of an emergency response facility, assigned responsibilities are formally transferred, per procedure.

*Emergency Direction and Control*  
*Demonstrate the ability to...*

**1.2.5.b    PERFORM an assembly of all personnel in the exclusion area and protected area. An accountability of all personnel in the protected area shall be ACHIEVED within 30 minutes of a plant assembly and evacuation announcement.**

Initial accountability (protected area) is accomplished within 30 minutes of the assembly/evacuation announcement.

Search and rescue should immediately be implemented for personnel not accounted

*Emergency Direction and Control*  
*Demonstrate the ability to...*

**1.2.5.c    MAINTAIN accountability of personnel onsite.**

Upon establishment of initial accountability, accountability is maintained for all onsite personnel continuously thereafter.

Personnel entering and exiting emergency response facilities or the site are tracked to maintain accountability.

*Emergency Direction and Control*  
*Demonstrate the ability to...*

**1.2.5.d    Effectively USE Security in responding to plant emergencies.**

Security personnel participate as members of the ERO in supporting emergency classification, notification, evacuation, assembly, accountability, search and rescue, damage assessment, medical emergencies, and site access and egress, as appropriate.

Security practices and procedures do not impede movement and access of ERO personnel to plant areas during an emergency situation.

Practices or procedures to allow easy access used during emergencies are compatible with Physical Security and Contingency Plans.

*Public Information*  
*Demonstrate the ability to...*

**1.2.6.b    STAFF the JPIC to PROVIDE adequate information to the news media during a PBNP emergency.**

JPIC is staffed to perform all functions described in the PBNP Nuclear Emergency Public Information Plan for the JPIC ERO positions in the JPIC, Media Briefing Center, and Telephone Response Center.

News releases are coordinated with the NRC and state and local officials.