



**New York Power  
Authority**

August 11, 1983  
JPN-83-75

Director of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Attention: Mr. Domenic B. Vassallo, Chief  
Operating Reactors Branch No. 2  
Division of Licensing

Subject: James A. FitzPatrick Nuclear Power Plant  
Docket No. 50-333  
Small Scale Exercise Objectives

Dear Sir:

Attached are the objectives for the FitzPatrick Emergency  
Preparedness Small Scale Exercise scheduled for October 12, 1983.

The objectives do not specify operation and staffing of the  
Joint News Center, because Niagara Mohawk will have demonstrated  
staffing and operation of the center, using the same personnel,  
two weeks prior to the FitzPatrick exercise.

The Authority will only simulate operation of the Post-Accident  
Sampling System during the October exercise. Actual operation  
of this system will have been demonstrated in preoperational testing  
prior to Cycle 6 startup.

If you have any questions regarding this matter, please  
contact Mr. J.A. Gray, Jr. of my staff.

Very truly yours,

J.P. Bayne  
Executive Vice President  
Nuclear Generation

cc: Mr. J. Linville  
Resident Inspector  
U.S. Nuclear Regulatory Commission  
P.O. Box 136  
Lycoming, NY 13093

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NEW YORK POWER AUTHORITY  
JAMES A. FITZPATRICK NUCLEAR POWER PLANT

SMALL SCALE EXERCISE OBJECTIVES

OCTOBER 12, 1983

1983 Nuclear Regulatory Commission Observed Exercise  
James A. FitzPatrick Nuclear Power Plant

Objectives

A. PURPOSES

This document provides guidance for the conduct of the 1983 Nuclear Regulatory Commission (NRC) observed small scale radiological emergency exercise at the James A. FitzPatrick Nuclear Power Plant (JAFNPP).

The scope of this exercise, with some exceptions, will endeavor to demonstrate by actual performance a number of primary emergency preparedness functions. At no time will the exercise be permitted to interfere with the safe operation of JAFNPP and the plant management may, at their discretion, suspend the exercise for any period of time necessary to ensure this goal.

This exercise will include the appropriate notification to the Nine Mile Point Nuclear Station (NMPNS). Active participation by the NMPNS organizations is not expected.

This exercise will include the appropriate notifications to Oswego County and New York State. Limited participation by these organizations shall be included.

B. EXERCISE OBJECTIVES

1. Radiological Emergency Preparedness Plans

- a. Evaluate the adequacy and capability of implementation of the James A. FitzPatrick radiological emergency plans.
- b. Demonstrate the emergency response capabilities of JAFNPP and the Headquarters Recovery Staff.
- c. Demonstrate the capability of JAFNPP to implement their radiological emergency preparedness plans in a manner satisfying NRC acceptance criteria.

2. Notification Procedures

- a. Demonstrate the ability of JAFNPP staff to classify actual or potential emergencies in accordance with JAFNPP Emergency Plan Implementation Procedures as to:

- . Notification of Unusual Event (optional)
- . Alert
- . Site Area Emergency
- . General Emergency
- b. Demonstrate the capability of JAFNPP to notify the state, local and federal levels of government in accordance with federal guidance and established protocols.
- c. Demonstrate the capability to communicate technical information among JAFNPP, New York State and Oswego County. JAFNPP will also demonstrate initial communications of technical information with the NRC via the NRC Hot Line.
- d. Demonstrate the capability of the JAFNPP to notify and activate emergency response personnel.
- e. Demonstrate as appropriate the notification and request for assistance to federal agencies such as radiological assistance from the Department of Energy.

3. Emergency Communications

- a. Demonstrate the JAFNPP communications capabilities among the Control Room, Technical Support Center (TSC), Emergency Operations Facility (EOF), and the Operations Support Center (OSC), Recovery Center (RC), and the ability to maintain communications with the Federal Government.
- b. Demonstrate emergency communications capability among Oswego County, New York State and JAFNPP including the Radiological Emergency Communications System (RECS - Hot Line).
- c. Demonstrate the adequacy of JAFNPP and Headquarters emergency communications to:
  - 1) Transmit instructions to activate essential staff.
  - 2) Disseminate essential information to assisting agencies.
- d. Demonstrate the ability of JAFNPP to coordinate, control and deploy radiological monitoring teams via the respective field communications system.

4. Emergency Response Facilities

- a. Demonstrate the adequacy of the staffing and setting-up as appropriate of emergency response facilities as well as demonstrating the adequacy of space and habitability for management of radiological emergency at:
  - . JAFNPP Control Room (CR)
  - . JAFNPP Technical Support Center (TSC)
  - . JAFNPP Operational Support Center (OSC)
  - . JAFNPP Emergency Operations Facility (EOF)
  - . Headquarters Recovery Center (RC)
- b. Evaluate the adequacy of access control and security for JAFNPP response facilities.

5. Direction and Control

Demonstrate the ability of key emergency personnel at JAFNPP to initiate and coordinate timely and effective decisions with respect to a radiological emergency and clearly demonstrate "who is in charge".

6. Accident Assessment and Evaluation

- a. Demonstrate the activation, operations and reporting procedures of JAFNPP field monitoring teams. JAFNPP teams will be dispatched within and beyond the site boundary. Field monitoring teams will be provided with simulated data at assigned times and specific locations consistent with the simulated release from the plant.
- b. Demonstrate the ability of JAFNPP and Oswego County to receive and assess radiological data from licensee field teams in accordance with the radiological emergency procedures.
- c. Demonstrate the ability of JAFNPP and Oswego County to calculate dose projections, compare projections and determine appropriate protective actions with regards to the Protective Action Guides (PAGs).

7. Protective Response

- a. Demonstrate the capability of JAFNPP emergency response organizations to make recommendations concerning appropriate protective action response options.
- b. Demonstrate JAFNPP employee accountability following the requirements of the Emergency Plan Implementing Procedures.

8. Radiological Exposure Control

- a. Demonstrate the decision process for limiting exposure of emergency workers.
- b. Demonstrate methods and resources for distribution of dosimetry to emergency workers at JAFNPP.
- c. Demonstrate the capability of personnel for keeping records of individual radiation exposures at JAFNPP.

9. Medical Support

The initial treatment of an injured worker with contamination at JAFNPP, transport to and subsequent treatment at a hospital will be demonstrated at a medical drill in association with Oswego Hospital.

10. Reentry and Recovery

- a. Demonstrate the capability of emergency personnel to identify requirements, assess and implement procedures for reentry.
- b. Demonstrate the capability of emergency personnel to identify requirements, programs and policies governing damage assessment and recovery.

C. INTENT OF THE FITZPATRICK EXERCISE SCENARIO

The licensee (New York Power Authority), New York State and Oswego County plan a coordinated small scale exercise of their respective emergency plans for the JAFNPP site October 12, 1983. In order to minimize the impact on scheduling and agendas, the exercise scenario will be completed in a time frame of approximately a routine working day.

The exercise is intended to demonstrate many, but not necessarily all, of the JAFNPP capabilities to respond to a wide range of emergency conditions. This scenario is designed to activate the JAFNPP Emergency Plan through its various ac-



tion levels. Although this scenario attempts to accurately simulate operating events, it is not intended to assess all of the operator's diagnostic capabilities, but rather provides sequences which ultimately demonstrate the operator's ability to respond to events and which results of exercising onsite emergency plans and procedures. Free play is encouraged and the controllers will interfere only if operator/player action prematurely terminates the exercise or excessively deviates from the drill schedule.

D. CONCEPT OF OPERATIONS AND CONTROL OF THE EXERCISE

The licensee shall supply official controllers for locations where an emergency response is being demonstrated for the exercise. Prior to the exercise, the controllers will be provided with the appropriate locations, maps, time periods, guidelines, and an observer evaluation checklist for their exercise assignments (as appropriate).

The exercise initiating events will be controlled by a lead controller at the JAFNPP. Simulated initiating events will consist of two types of information:

1. Information and data provided to control room personnel by the control room referee.
2. Onsite and offsite dose rate data (simulated gamma and iodine dose rate measurements) provided to the site monitoring teams by controllers.

The lead controller (onsite) will have the responsibility to control and coordinate the time sequence of initiating events to ensure an orderly flow of exercise events.

As the initiating events are provided to the JAFNPP staff, they will determine the nature of the emergency and implement appropriate plant emergency response procedures. These procedures include a determination of the emergency classification in accordance with the JAFNPP Emergency Plan. After the emergency classification has been determined, the appropriate federal, state and local authorities will be notified in accordance with the JAFNPP emergency response procedures.

The simulated accident will continue to develop based on data and information provided to the control room personnel by the control room referee. As the situation develops, information will be forwarded to New York State and Oswego County.

Certain inconsistencies (such as plume width, release duration, technical reason for the simulated release, etc.) may be intentional and required due to the nature of simulating

an accident that has never occurred and the requirement to provide an exercise basis which tests the site to the maximum extent feasible in a limited time frame. If an inconsistency is known or determined to be intentional, then the accident assessment group will note the inconsistency and ignore it. The lead controller shall have the authority to resolve or explain any inconsistencies or problems that may occur during the exercise.

E. PUBLIC INFORMATION AND AWARENESS

Agencies should make every effort to prevent the public from being misinformed about the nature of the exercise. Therefore, it is important to inform members of the public that an exercise is in progress and that their involvement is not required, whenever public contact occurs in the field.

F. MAINTAINING EMERGENCY READINESS

During the performance of an exercise the ability to recognize a real emergency, terminate the exercise, and respond to the new situation must be maintained. Therefore, the exercise scenario and actions of participants shall not include any actions which degrade the condition of systems, equipment or supplies, or affect the detection, assessment or response capability to radiological or other emergencies.

Actions taken by the participants shall also avoid actually reducing plant or public safety. The potential for creating real radiological or other emergencies shall be specifically avoided. All messages about real events shall be clearly identified as such. For example, precede a real message with "This is NOT, repeat, NOT an exercise message."