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May 7, 1984  
JPN-84-29

Thomas E. Murley, Regional Administrator  
Office of the Inspection and Enforcement  
U. S. Nuclear Regulatory Commission  
Region I  
631 Park Avenue  
King of Prussia, Pennsylvania 19406

Subject: James A. FitzPatrick (JAF) Nuclear Power Plant  
Docket No. 50-333  
JAF Site Full Scale Exercise Objectives

Dear Sir:

Attachment I to this letter provides the Full Scale Exercise Objectives for JAF for the July 18, 1984 exercise.

Based on conversations with the New York State Radiological Emergency Preparedness Group, it is our understanding that the exercise will not be observed by the Federal Emergency Management Agency.

Should you have any questions, please contact Mr. J. A. Gray, Jr. of my staff.

Very truly yours,

A handwritten signature in cursive script, appearing to read 'J. P. Bayne'.

J. P. Bayne  
Executive Vice President  
Nuclear Generation

Enc.

cc: Office of the Resident Inspector  
U. S. Nuclear Regulatory Commission  
P. O. Box 136  
Lycoming, New York 13093

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ATTACHMENT 1

NEW YORK POWER AUTHORITY  
JAMES A. FITZPATRICK NUCLEAR POWER PLANT

FULL SCALE EXERCISE OBJECTIVES

July 18, 1984

1984 NRC Observed Exercise  
James A. FitzPatrick Nuclear Power Plant

July 18, 1984

Objectives

A. PURPOSES

This document provides guidance for the conduct of the 1984 Nuclear Regulatory Commission (NRC) observed radiological emergency exercise at the James A. FitzPatrick Nuclear Power Plant (JAFNPP). It shall be used by JAFNPP and by all participating Federal, State and local agencies.

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. Participation by these organizations is expected.

B. EXERCISE OBJECTIVES

1. Radiological Emergency Preparedness Plans

- a. Demonstrate the adequacy and capability of implementation of the New York State, Oswego County and the James A. FitzPatrick radiological emergency plans.
- b. Demonstrate the emergency response capabilities of State authorities, local support agencies, JAFNPP and appropriate Federal agencies.

2. Notification Procedures

- a. Demonstrate the ability of JAFNPP staff to classify actual or potential emergencies in accordance with JAFNPP Emergency Plan Implementing Procedures as to
  - Notification of Unusual Event,
  - 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 communicating technical information with the NRC via the NRC Emergency Notification System (ENS).
- d. Demonstrate the capability of the State, Oswego County and JAFNPP to activate emergency response personnel.
- e. Demonstrate the capability of Oswego County and the State to alert and notify the affected permanent and transient public within the Plume Exposure Emergency Planning Zone (EPZ) of an incident at JAFNPP and to follow up with information as required. This will include activation of the prompt notification system (sirens and tone alert radios) and the Emergency Broadcast System (EBS).
- f. Demonstrate, as appropriate, the notification and request for assistance to Federal agencies such as the radiological assistance from the Department of Energy.
- g. Demonstrate, as appropriate, the notification to counties and provinces within the ingestion Emergency Planning Zone (EPZ) and to agencies, such as the railroad, by the State and Oswego County.

### 3. Emergency Communications

- a. Demonstrate the JAFNPP communication capabilities among the Control Room, Technical Support Center (TSC), Emergency Operations Facility (EOF), Operations Support Center (OSC), the Joint News Center (JNC) and the Headquarters Emergency Response/Recovery Center, 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, local and State emergency communications to:
  - 1. Transmit instructions to activate essential staff.
  - 2. Disseminate essential information to assisting agencies.
  - 3. Operate a 24 hour per day alert and notification system.

- d. Demonstrate the ability of JAFNPP and Oswego County 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 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)  
State Emergency Operations Center (EOC)  
ODP Central District EOC  
Oswego County EOC  
Joint News Center (JNC)  
Headquarters Emergency Response/Recovery Center

- b. Demonstrate the adequacy of internal communications in the State and County Emergency Operations Centers (EOC).
- c. Demonstrate the adequacy of the State, Oswego County and JAFNPP staff to operate the emergency response facilities.
- d. Demonstrate the adequacy of access control and security for emergency response facilities.

5. Direction and Control

- a. Demonstrate the ability of key emergency personnel at all levels of government and JAFNPP to initiate and coordinate timely and effective decisions with respect to a radiological emergency and clearly demonstrate "who is in charge".
- b. Demonstrate that there is effective organizational control (direction and control) and integrated radiological emergency response including deployment of field monitors, receipt and analysis of field data and sharing of field data at JAFNPP, New York State and Oswego County for evaluation and verification.
- c. Demonstrate the capability of State and County emergency response agencies to identify and provide for resource requirements. Any required Federal response activities may be simulated.



- d. Demonstrate the capability of government officials in implementing appropriate radiological emergency response actions.

6. Public Information

- a. Demonstrate the adequacy of the operation of and interaction among the State, Oswego County and JAFNPP public information systems.
- b. Demonstrate the activation and manning of the Joint News Center by JAFNPP, State and Oswego County public information personnel and provide for periodic public information releases and rumor control.
- c. Demonstrate that the offsite authorities and the licensee can effectively provide information to the media in the event of an accident.

7. Accident Assessment and Evaluation

- a. Demonstrate the activation, operation and reporting procedures of JAFNPP and Oswego County 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, Oswego County and the State to receive and assess radiological data from both County and licensee field teams in accordance with their respective radiological emergency plans.
- c. Demonstrate the ability of JAFNPP, the State and Oswego County to calculate dose projections, compare the projections to the Protective Action Guides (PAGs) and determine appropriate protective actions.
- d. Demonstrate the capability of JAFNPP personnel to simulate the operation of the Post Accident Sampling System (PASS) and interpret the results.

8. Protective Response

- a. Demonstrate the capability of State and Oswego County emergency response organizations to make decisions and to implement appropriate protective action response options. The response options may include sheltering and evacuation (simulated) of onsite and offsite areas, informing the public on the development of the accident, identification and provision for special populations, activation of reception and congregate care facilities and ingestion exposure pathway considerations.

- b. Demonstrate JAFNPP employee accountability following the requirements of their Emergency Plan Implementing Procedures.
- c. Demonstrate the ability of JAFNPP personnel to make protective recommendations to the State and Oswego County.

9. Radiological Exposure Control

- a. Demonstrate the decision process for limiting exposure of emergency workers.
- b. Evaluate the capability of offsite emergency response personnel to implement access control procedures.
- c. Demonstrate methods and resources for distribution of dosimetry to emergency workers.
- d. Demonstrate the capability of emergency personnel for keeping records of individuals' radiation exposures.

10. Medical Support

- a. Medical support shall not be demonstrated at this exercise. 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 tentatively scheduled for the Fall of 1984.

11. Re-entry and Recovery

- a. Demonstrate the capability of emergency personnel to identify requirements, assess and simulate implementation of procedures for re-entry.
- 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 exercise of their respective emergency plans for both the onsite and offsite support agencies on July 18, 1984. 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 all, of the JAFNPP capabilities to respond to a wide range of emergency conditions. This scenario is designed to activate the JAFNPP