



**CENTERIOR
ENERGY**

PERRY NUCLEAR POWER PLANT

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Michael D. Lyster
VICE PRESIDENT - NUCLEAR

August 20, 1992
PY-CEI/OIE-0391L

Mr. A. Bert Davis, Regional Administrator
U.S. Nuclear Regulatory Commission
Region III
Glen Ellyn, IL 60137

Perry Nuclear Power Plant
Docket Nos. 50-440; 50-441
Submission of Exercise
Scope and Objectives

Dear Sir:

In keeping with the established schedule for submission of documents relating to the Annual Emergency Preparedness Exercise for the Perry Nuclear Power Plant, the attached description of the onsite scope and objectives for the December 9, 1992 exercise is hereby provided.

In order to keep the exercise efforts on schedule and to enable the Perry Plant to meet the October 9, 1992 (60-day) submission date for the detailed scenario description and the anticipated actions, it is requested that any comments or requests for modification to the submitted objectives be provided no later than September 25, 1992. Your cooperation on this matter is greatly appreciated.

Contact related to the exercise and prior preparation should be directed to:

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Onsite Emergency Planning Coordinator
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(216) 259-3737 Ext. 5570

Sincerely,

M. D. Lyster
Michael D. Lyster

MDL:BSF:njc

Attachment

250021

Operating Companies
Cleveland Electric Illuminating
Trust Edison

300066

9208250008 9208250008
CEI INDEX - 0391L-440

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1/11
EX49
HT

Mr. A. Bert Davis

-2-

August 15, 1992
PY-CEI/OIE-0391L

cc: Jay Silberg, Esq.
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NRC Resident Inspectors Office
NRC Document Control Desk

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SCOPE AND OBJECTIVESScope

The 1992 Emergency Preparedness Exercise, to be conducted during normal working hours as an announced exercise on December 9, 1992, will simulate accident events culminating in a radiological accident with resultant offsite releases from the Perry Plant, located in North Perry Village, Lake County, Ohio. The exercise will involve events that test the effectiveness of the Perry Plant Emergency Preparedness Program and the integrated capabilities of the emergency organizations of the State of Ohio and the Counties of Lake, Geauga, and Ashtabula. The Exercise will include the mobilization of local resources necessary to demonstrate their offsite objectives to the Federal Emergency Management Agency (FEMA).

Onsite Objectives

The major objective of the exercise is to demonstrate the response capabilities of the Perry Plant Emergency Response Organization (ERO). Within this overall objective, individual objectives are specified as follows:

ITEM
NO.OBJECTIVEA. EVENT CLASSIFICATION

- 1 Demonstrate ability to effectively assess postulated plant indications, alarms and reports, and correctly classify an emergency event in a timely manner.
- 2 Demonstrate ability to correctly identify a series of postulated emergency events which escalate to a Site Area or General Emergency classification.
- 3 Demonstrate ability to correctly terminate from the emergency phase and enter Recovery per procedural guidelines.

B. ERO NOTIFICATIONS/RESPONSE

- 1 Demonstrate ability to notify on-call ERO personnel in a timely manner upon (re)classification of an emergency event.
- 2 Demonstrate ability to effectively direct the activation of emergency facilities in a timely manner when required by procedure or warranted based on postulated events.
- 3 Demonstrate ability to adequately staff and activate facilities promptly in support of postulated emergency conditions.

- 4 Demonstrate ability to augment staffing in support of postulated emergency conditions.
- 5 Demonstrate ability to staff key positions within a facility required by the Emergency Plan on a 24-hour basis.

Limiting Condition: To be demonstrated through the development and approval of relief rosters.

C. OFFSITE NOTIFICATIONS

- 1 Demonstrate ability to notify the State of Ohio and local counties within 15 minutes of initially declaring and reclassifying an emergency event.
- 2 Demonstrate ability to notify the NRC within one hour of initially declaring or reclassifying an emergency event.
- 3 Demonstrate ability to periodically update Federal, State and local county officials and agencies on the status of emergency based on available information.
- 4 Demonstrate ability to maintain an open line over the ENS and "5-way" circuits and respond to inquiries promptly.
- 5 Demonstrate the ability to effectively transfer responsibility for ENS and "5-way" circuits between facilities.
- 6 Demonstrate ability to notify and periodically update utility support organizations (e.g., INPO, ANI) as required.
- 7 Demonstrate mechanism for recommending protective actions to State and local county authorities.

D. EMERGENCY COMMUNICATIONS

- 1 Demonstrate ability to communicate clearly and effectively between onsite facilities.
- 2 Demonstrate ability to communicate clearly and effectively with shift and OSC repair/assessment team personnel dispatched in-plant.
- 3 Demonstrate ability to communicate clearly and effectively with RMTs.
- 4 Demonstrate ability to effectively warn or advise Plant personnel or individuals onsite or in adjacent areas controlled by CEI utilizing the Plant Public Address (PA), Exclusion Area Page, and Tone-Alert Radio Systems.
- 5 Demonstrate ability to identify the need for and to request Federal assistance.

- 6 Demonstrate ability to keep Corporate management informed of the emergency status and coordinate Corporate response support.

Limiting Condition: Interfaces with Corporate management will be simulated through the use of controllers or a response call.

E. COMMAND AND CONTROL

- 1 Demonstrate ability of Shift Supervisor to promptly assume and carry out duties of the Emergency Coordinator upon the initial classification of an emergency event.
- 2 Demonstrate the effective and orderly transfer of Emergency Coordinator duties between facilities.
- 3 Demonstrate ability of key ERO personnel to coordinate emergency assessment and response activities.
- 4 Demonstrate ability to establish/revise in-plant ERO priorities and effectively utilize ERO personnel to address priorities.
- 5 Demonstrate ability to effectively coordinate facility activities and to update facility staff on event status, priorities, and expected actions.
- 6 Demonstrate the ability to coordinate the assembly, effective briefing/debriefing, and timely dispatching of OSC teams.
- 7 Demonstrate ability to promptly access spare/replacement parts and materials and deliver to OSC or in-plant repair team.
- 8 Demonstrate the effective coordination of on-shift personnel (PPOs/PPAs, Security Officers, etc.) and integration with the Emergency Response Organization (ERO).
- 9 Demonstrate ability to effectively transfer dose assessment responsibility and control of RMTs between facilities.
- 10 Demonstrate ability to effectively control RMT movements in relation to the release plume.
- 11 Demonstrate ability of Plant, and State and local county governments to work effectively and in a coordinated manner as specified in the Plant Emergency Plan.

F. ACCIDENT ASSESSMENT/RESPONSE

- 1 Demonstrate the timely and effective use of PEIs, ONIs, and other operations procedures to respond to postulated indications, alarms and reports.

- 2 Demonstrate ability of ERO to assess postulated equipment/component failures in a timely manner and effectively develop corrective actions to mitigate events.
- 3 Demonstrate the ability to identify the source of an actual or potential radiological release and postulated magnitude based on plant system parameters and effluent monitors.
- 4 Demonstrate ability to mobilize and deploy RMTs in a timely manner.
- 5 Demonstrate appropriate equipment and procedures for determining ambient radiation levels.
- 6 Demonstrate appropriate equipment and procedures for measuring airborne radioactive concentrations as low as 10^{-7} uCi/cc under field conditions in the presence of noble gases.
- 7 Demonstrate ability to project exposures based on plant effluent monitor readings and field data for various meteorological conditions.
- 8 Demonstrate ability to determine appropriate protective action recommendations for the general public based on NUREG-0654, Appendix 1 and EPA Protective Action Guidelines (PAGs).
- 9 Demonstrate ability to determine the source term of releases of radioactive material within plant systems (i.e., relationship between Containment radiation monitor readings and radioactive material available for release from containment).
- 10 Demonstrate ability to effectively track airborne radioactive plume using RMTs.
- 11 Demonstrate appropriate equipment and procedures for monitoring ground contamination and for the collection, transport, and analysis of environmental samples (e.g., water, soil, vegetation).
- 12 Demonstrate means of relating various measured parameters (e.g., contamination levels, water and air activity levels) to dose rates for key isotopes and gross radioactivity measurements.
- 13 Demonstrate provisions made for estimating integrated (accumulated) dose from projected and actual dose rates and for comparing these estimates with PAGs.
- 14 Demonstrate onsite capability and resources to provide initial values and continuing assessment throughout the course of an accident, to include:
 - post-accident sampling capability
 - radiation and effluent monitors
 - in-plant radiation monitoring instrumentation
 - Containment radiation monitoring.

- 15 Demonstrate ability of security personnel to provide prompt access for emergency equipment and support.
- 16 Demonstrate access to fixed or mobile laboratory facilities.

G. FACILITIES AND EQUIPMENT

- 1 Demonstrate the effective operation and adequacy of the following onsite facilities in the assessment and mitigation of a postulated emergency event:
 - Control Room
 - Technical Support Center (TSC)
 - Operations Support Center (OSC)
 - Emergency Operations Facility (EOF)
 - Public Information Response Team (PIRT)
- 2 Demonstrate the ability of key ERO personnel to perform the staffing responsibilities outlined in Table 8-1 of the Emergency Plan for the event postulated.
- 3 Demonstrate the ability of facility staff to update/maintain status boards and other displays in an accurate and timely manner.
- 4 Demonstrate ability of ERO staff to effectively use the Emergency Response Information System (ERIS) to monitor and assess plant conditions.
- 5 Demonstrate ability of ERO staff to properly respond to postulated high area/airborne radiation levels in one or more facilities or the failure of a facility radiation monitor.
- 6 Demonstrate ability of TSC and EOF staff to place facility HVAC in emergency isolation mode.
- 7 Demonstrate ability of the TSC and EOF HVAC systems to adequately maintain facility temperature control within established limits.
- 8 Demonstrate the availability of equipment (including dosimetry and sampling devices) to effectively support facility operations, OSC teams, and RMTs.
- 9 Demonstrate ability to access and acquire data from geophysical phenomena monitors (e.g., meteorology, hydrologic, seismic).

H. ACCOUNTABILITY

- 1 Demonstrate ability to account for all individuals within the Protected Area upon initiation of personnel accountability by ascertaining the names of missing individuals within 30 minutes and accounting for Protected Area personnel continuously thereafter.
- 2 Demonstrate the organizational ability and resources necessary to deal with impediments to evacuation, such as inclement weather or traffic obstructions.
- 3 Demonstrate the organizational ability and resources necessary to control site access.
- 4 Demonstrate ability to radiologically monitor individuals evacuating the Protected Area.

I. EXPOSURE CONTROL

- 1 Demonstrate ability to effectively monitor and control emergency worker exposures per Plant procedures.
- 2 Demonstrate the ability to authorize extensions for Plant emergency worker exposures in an expeditious manner which takes into account reasonable consideration of relative risks.
- 3 Demonstrate the ability to assign personal dosimetry, effectively monitor exposure at appropriate frequencies, and maintain accurate dose records for Plant emergency workers.
- 4 Demonstrate adequate equipment and procedures for decontamination of Plant emergency workers and equipment, and for waste disposal.
- 5 Demonstrate onsite contamination control measures, including area access control, drinking water and food supplies, and criteria for permitting return of areas and items to normal use.
- 6 Demonstrate adequate equipment and procedures for individual respiratory protection and use of protective clothing for individuals remaining or arriving onsite during the postulated emergency event.
- 7 Demonstrate the ability to make decisions, based on predetermined criteria, whether to issue potassium iodide (KI) to Plant emergency workers.
- 8 Demonstrate the organizational ability and resources necessary to supply and administer KI.

J. MEDICAL RESPONSE

- 1 Demonstrate the ability of onsite first aid responders to effectively assess a medical emergency and render appropriate medical care within their training in a timely manner.
- 2 Demonstrate the adequacy of health physics support in determining the radiological status of a victim and advising first aid responders on radiological concerns.
- 3 Demonstrate the adequacy of facilities and equipment to support first aid responders.
- 4 Demonstrate the ability to promptly notify and request offsite ambulance support for transportation of a victim.
- 5 Demonstrate the organizational ability and procedures for Plant first aid responders, health physics and security officers to effectively coordinate: access and egress into the Protected Area of an offsite ambulance; dress-out and radiological monitoring of the ambulance and crew; and transfer of a victim.
- 6 Demonstrate the ability to notify and coordinate with a local medical facility for the care, handling and treatment of a contaminated and injured victim.
- 7 Demonstrate the ability of offsite medical facility to evaluate radiation exposure and uptake to a contaminated victim.
- 8 Demonstrate the organizational ability and procedures for handling situations where offsite ambulance personnel may exceed pre-established exposure limits.

K. PUBLIC INFORMATION/RUMOR CONTROL

- 1 Demonstrate points of contact and physical locations for use by news media during an emergency.
- 2 Demonstrate the organizational ability and procedures which:
 - designate a spokesperson having access to necessary information
 - arrange for a timely exchange of information among designated spokespersons
- 3 Demonstrate the ability to brief media representatives in a clear, accurate and timely manner.
- 4 Demonstrate the ability to monitor the media to detect and correct errors.

- 5 Demonstrate the ability of Company telephone attendants and personnel to reroute incoming inquiries regarding the emergency to the PIRT/JPIC.
- 6 Demonstrate the ability to establish and operate rumor control in a coordinated fashion.
- 7 Demonstrate the ability of the PIRT/JPIC to disseminate information to Company employees.

L. RECOVERY

- 1 Demonstrate organizational ability and resources to coordinate re-entry into an evacuated area.
- 2 Demonstrate ability to formulate a Recovery Plan and identify a Recovery Organization.
- 3 Demonstrate ability to establish a method of periodically updating State and local county officials on Plant recovery activities.

M. POST-ACCIDENT SAMPLING

- 1 Demonstrate analysis of in-plant liquid samples with simulated or actual elevated radiation levels including use of the Post-Accident Sampling System.

END OF OBJECTIVES