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Nuclear
Operations

April 17, 1996
NRC-96-0047

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

Reference: Fermi 2
NRC Docket No. 50-341
NRC License No. NPF-43

Subject: Detroit Edison Annual Radiological Emergency Response
Preparedness Exercise - FERMEX 96 Objectives

Enclosed for your review are the objectives for Detroit Edison's annual Radiological Emergency Preparedness Exercise, FERMEX 96. FERMEX 96 will be a full participation exercise conducted at Fermi 2 during normal working hours on July 16, 1996. The date and approximate time of the exercise will be announced to all exercise participants in advance.

The State of Michigan, Wayne County, and Monroe County will be participating in the exercise. NRC will participate in FERMEX 96, including a Site Incident Response Team from Region III. The Province of Ontario, Canada will be participating in the limited role of accepting initial event notifications from the site. The Province of Ontario and Essex County Emergency Operations Centers will not be activated. All onsite Emergency Response Facilities will be activated. The state's Joint Public Information Center (JPIC) will be activated, with JPIC players prestaged to maximize the opportunity for operation of the facility.

FERMEX 96 will be conducted from the Fermi 2 Simulator Control Room, located on the second floor of the Nuclear Operations Center. The simulator will be preprogrammed with equipment malfunctions which will drive scenario events in accordance with a prescribed sequence. The dynamic simulator response to operator actions in the Simulator Control Room allows maximum freeplay by emergency responders.

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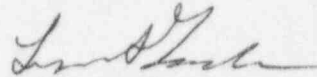
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Detroit Edison will submit the detailed FERMEX 96 exercise scenario 60 days prior to the exercise date.

Should you have any comments or questions, please contact Mr. Kevin Morris at (313) 586- 4327.

Sincerely,



Lynne S. Goodman
Director, Nuclear Licensing

Enclosure

cc: J. R. Creed (w/ Encl.)
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EXERCISE OBJECTIVES

- A. **Overall Objectives** are of such broad scope that they can be generally be used as a measure of the integrated capability of the emergency response efforts to accomplish the objectives of the RERP Plan.
1. Demonstrate the ability to comply with approved Emergency Plan implementing procedures.
 2. Demonstrate recognition of conditions requiring emergency classification.
 3. Demonstrate the ability to make prompt and proper emergency declarations as required.
 4. Demonstrate assembly and accountability.
 5. Demonstrate the ability to make prompt notification of all declared emergencies to offsite authorities.
 6. Demonstrate the ability to effectively augment shift staffing through activation of the onsite emergency response facilities.
 7. Demonstrate recognition of responsibility to protect the health and safety of plant personnel by ordering appropriate onsite protective actions.
 8. Demonstrate recognition of conditions requiring Protective Action Recommendations (PAR) to be made to offsite authorities.
 9. Demonstrate the ability to develop appropriate PAR for simulated plant and/or radiological conditions.
 10. Demonstrate recognition of changes in conditions which would require an update of PARs.
 11. Demonstrate the ability to promptly notify offsite authorities of all PARs.
 12. Demonstrate the ability to establish a safe and stable reactor plant condition.
 13. Demonstrate the ability to develop an overall accident mitigation strategy and allocate available resources based on the needs of the plant.
 14. Demonstrate coordination of emergency response activities with offsite authorities.

B. Facility Objectives are of such scope that they can be generally be used as a measure of the capability of specific emergency response facility to accomplish the objectives of the RERP Plan.

1. Demonstrate the TSC's ability to effectively relieve the Control Room of those peripheral duties not directly related to operation of plant equipment.
2. Demonstrate the ability to effectively utilize available circuits to communicate between emergency facilities.
3. Demonstrate the CR/TSC's ability to detect abnormal plant conditions and utilize available instrumentation to continuously monitor changing plant status.
4. Demonstrate the ability to implement Onsite Protective Actions as appropriate.
5. Demonstrate the ability to make complete and timely subsequent notifications to offsite authorities.
6. Demonstrate the use of appropriate immediate action checklists of EP-102 - 105, including turnover of responsibilities between facilities if applicable.
7. Demonstrate effective support of plant activities under adverse radiological conditions.
8. Demonstrate the effectiveness of the TSC/OSC in control and tracking of repair activities and teams.
9. Demonstrate effective utilization of resources by the ERO.

C. Limited Objectives are of such focused scope that they can be used as a measure only of the capability to accomplish specific tasks in support of the objectives of the RERP Plan.

1. Demonstrate the ability to complete Assembly and Accountability in a timely manner.
2. Demonstrate ability to establish and implement appropriate radiological controls to ensure adequate protection and timely response.

3. Demonstrate the ability to obtain and analyze post accident samples in a timely manner.
4. Demonstrate the ability to effectively interpret post accident sample results.
5. Demonstrate the ability to effectively control Radiological Emergency Teams in the field.
6. Demonstrate the ability to obtain and analyze offsite radiological samples of various media.
7. Demonstrate the ability to locate and track a plume of effluent radioactivity.
8. Demonstrate the ability to perform radiological dose assessment.
9. Demonstrate the ability to effectively monitor changing meteorological conditions.
10. Demonstrate effective gathering and dissemination of public information.