U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Report No. 50-461/87040(DRSS)

Docket No. 50-461 License No. NPF-62

Licensee: Illinois Power Company
500 South 27th Street
Decatur, IL 62525

Facility Name: Clinton Nuclear Power Station, Unit 1

Inspection At: Clinton Nuclear Power Station, Clinton, Illinois
Joint Public Information Center, Decatur, Illinois
Back-up Emergency Operations Facility, Decatur, Illinois

Inspection Conducted: December 8, 9, and, 16, 1987

Inspectors: W. Snell for Gary L. Shear — 1/5/88 Date

W. Snell for Ruth L. LaFreniere — 1/5/88 Date

Approved By: W. Snell William Snell, Chief
Emergency Preparedness
Section — 1/5/88 Date

Inspection Summary

Inspection on December 8, 9, and 16, 1987 (Report No. 50-461/87040(DRSS))
Areas Inspected: Special, announced inspection of the Clinton Nuclear Power Station emergency response facilities in regards to the NRC Site Team, incuding: available facility space; facility layout; communications; and NRC computer compatibility.
Results: For the areas inspected no violations, deficiencies, or deviations were identified.

DETAILS

1. Persons Contacted

Illinois Power Company

*J. Perry, Manager, Nuclear Program Coordination
*E. Till, Emergency Preparedness Coordinator
R. Gardner, Supervisor, Emergency Planning
B. Paulson, Media Relations Representative

*Denotes individuals that attended the exit interview on December 9, 1987.

2. Available Facility Space

Emergency Operations Facility (EOF)

The EOF is located outside the station protected area fence approximately 1500 feet east of the Main Control Room (MCR) and Technical Support Center (TSC). The EOF is contained within a metal Butler building, the EOF area being further enclosed by a perimeter wall of eight inch thick reinforced concrete. The EOF is composed of a number of subareas, as follows: (1) a personnel entrance/monitoring/holding area; (2) a Security Office located at the EOF entrance; (3) a personnel monitoring and decontamination room; (4) a storage area for radiation monitoring equipment, kits, instruments, supplies, and clothing; (5) a Radiation Protection Office; (6) an Environmental Sampling Analysis Laboratory; (7) a sample counting room; (8) a sample storage room; (9) a document room; (10) a NRC Office area; (11) the Emergency Managers' Office; (12) an EOF Conference Room; (13) an Offsite Dose Calculation Room; and (14) a Decision-making Area.

The space currently available to the NRC in the EOF is adequate for the Expanded Activation Site Team (EAST) EOF component. The Decision-making Area is sufficient in size for the NRC to collocate key response personnel with their licensee counterparts. The document room would provide adequate space for several administrative personnel. In addition, the NRC Office area could be made available to administrative personnel or protective measures staff if required. The EOF Conference Room could also be used by NRC staff for conferences and briefings, when available. The building which houses the EOF could provide additional space to the NRC if radiologic conditions did not render the space uninhabitable. The EOF is a hardened facility and therefore can be occupied under conditions which would necessitate evacuation of the rest of the building. If there is no release or if a release occurred and the plume did not travel over the EOF, space would be available to the NRC outside of the EOF but within the building.

Technical Support Center (TSC)

The TSC is located between and immediately adjacent to the Main Control Room (MCR) and the Operational Support Center (OSC), and on the same level. Two doors in the TSC (on opposite sides) exit to corridors which lead to both the MCR and the OSC. The TSC is located in a single room with several satellite offices available within the same shielding and ventilation envelope.

Available space in the TSC for the NRC is marginal. The NRC would anticipate bringing a contingent of five to seven people to the TSC and would require space to accommodate a group of this size. The NRC's goal is to be able to locate key NRC TSC response personnel with their licensee counterparts. The TSC currently appears marginally capable of accommodating a contingent of this size. Located across from the TSC is the NRC Consultation Room which is designated as office space for NRC personnel. The room is designed to accommodate up to three people. This area could be used by the NRC as space for communicators or other staff if necessary.

Backup Emergency Operations Facility (BEOF)

The BEOF is located in the city of Decatur, Illinois, approximately twenty miles from the plant site. The BEOF would perform the functions of the EOF in the event the EOF were unavailable. Space available to the NRC in the BEOF would be considered adequate in consideration of the fact that it is a backup facility. The facility is considerably smaller than the EOF and therefore would present some difficulty in interfacing the NRC EAST EOF contingent. Additional space is available to the NRC, within the building, in office areas near and adjacent to the BEOF. This additional space coupled with the available space in the BEOF would provide adequate space for the NRC EAST EOF contingent.

Joint Public Information Center (JPIC)

The JPIC is located in Decatur, Illinois, approximately twenty miles from the plant. The facility provides ample space for the NRC Public Affairs contingent in one of four offices located on the southeast side of the JPIC. The licensee has purchased an additional building which, when remodeled, will house the JPIC. The move from the current JPIC to the new facility is anticipated to take place in the next one to two years.

3. Facility Layout

Emergency Operations Facility (EOF)

The layout of the EOF is structured to be functional and to give the licensee the most efficient use of available space. The current facility layout does not specifically address positioning of the NRC EOF

contingent in the EOF Decision-making Area other than designating a position for the Director of Site Operations (DSO). Additional locations for NRC EOF response personnel would have to be designated and modifications made to the existing layout in order to accommodate NRC responders. Minor modifications in seating arrangements and positioning would allow for the accommodation of the NRC EOF contingent in the EOF Decision-making Area.

The NRC Office area in the EOF is located adjacent to the EOF Decision-making Area and contains a window for viewing the decision-making area and status boards. The NRC Office is not large enough nor is it structured to accommodate the EOF EAST contingent but could be used as an NRC management meeting area or as office space for a portion of the EOF contingent such as the Administrative Team or the Protective Measures Team. The NRC Office space plus space available in the Decision-making Area and vicinity of the EOF will provide adequate space for a functional working layout.

Backup Emergency Operations Facility (BEOF)

The BEOF is structured to accommodate key members of the utility EOF staff and the NRC DSO. The current layout of the BEOF does not provide space for the NRC EOF contingent, other than the DSO. As mentioned in Section 2 of this report, the BEOF itself is smaller in size than the EOF and would not be able to accommodate both the utility and the NRC EOF contingents. Therefore, only key members of the NRC EOF staff would be able to collocate with their licensee counterparts. Again, minor modifications in seating arrangements and positioning would be required to collocate the key EOF response personnel with their licensee counterparts in the BEOF.

Technical Support Center (TSC)

The layout of the TSC is currently designed to accommodate only licensee TSC staff. It did not appear that any arrangements had been made for an NRC TSC contingent. Modifications to the existing layout design would be required to collocate even a portion of the NRC TSC contingent with their licensee counterparts.

The NRC Consultation Room is located across from the TSC. This room is designed to accommodate three individuals and has two desks located in it. A portion of the NRC TSC staff could utilize this space under the current design. Consideration should be given to layout design modifications in the TSC so that the NRC TSC staff can be more readily accommodated.

Joint Public Information Center (JPIC)

The layout of the JPIC is designed to provide ample working space for public information officers and their staffs. Consideration was given, in the design process, to the needs of the various federal, state, and

media personnel stationed in the JPIC. A general assembly room was designed to facilitate video camera work and has a public address system. Provisions for security and the separation of the media from the PIOs had been made. Separate office areas for federal, state, and utility personnel are designated within the JPIC. Adjacent to these office areas is the administrative area where copy machines, facsimile telecopiers, and a word processor are located and available for use by all agencies. Also, the administrative staff in this area may be utilized to fill the needs of the federal and state public affairs staff. No change or modifications to the existing layout design of the JPIC would be required to accommodate the NRC Public Affairs staff.

4. Communications

The Illinois Power Company's (IPC) dial telephone service is provided by the General Telephone Company of Illinois. The dial telephone system consists of PBX equipment and numerous telephones located throughout the emergency response facilities. Regular and WATS line service are included in this system. A microwave system is also incorporated into the dial telephone system. Additional communications capabilities are available to certain areas through the ability to access remote IPC service area PBXs, the CPS PBX, and the Decatur PBX.

The system referred to by the licensee as the Centrex System is a touch tone system which would provide the primary communication system for NRC use. This system is available at all facilities and is compatible with the NRC portable computer system. Another system called the Focus System is available at the site and can be used to access outside lines. This system, however, is not touch tone capable and is not compatible with the NRC portable computer system. The licensee has plans to upgrade the Focus System to a touch tone system in the future

Telephones available for use by the NRC at the EOF, BEOF, TSC, and JPIC are limited. The DSO has telephones designated for his use at his desk in the EOF Decision-making Area. The DSO has one Centrex line, one Focus line, and the ENS red phone is located at his desk. The NRC Office has approximately three phones with multiple line capability located in it. Also, several additional phones for NRC use will be available in the Document Room. The number of telephones available to the NRC in the Decision-making Area of the EOF is currently inadequate. The NRC would require access to additional phones in this area in order to function effectively. The licensee stated that additional phones could be provided in the EOF but was not sure of the number that could be made available.

The licensee has not designated any telephones as NRC telephones in the TSC. The NRC consultation Room, which is located across from the TSC, has two telephones available for NRC use. The NRC would require additional telephones in the TSC to function effectively.

The BEOF currently has only one telephone designated for the NRC at the DSO's desk. Additional telephones for NRC use could be provided in areas outside of the BEOF if necessary. With the BEOF functioning as a backup facility access to telephones outside of the BEOF would satisfy the NRC's needs.

The NRC would require additional telephones in the NRC Office area of the JPIC. The office area has only one telephone available. The NRC would require a minimum of three lines in this area to meet the needs of the Public Affairs staff.

Overall the NRC would require access to additional telephones in all of the ERF's to meet it's needs. This problem will need to be discussed in more detail in the future.

5. NRC Computer Compatibility

The COMPAQ portable computer was tested for compatibility with both the Centrex and Focus telephone systems. The computer can be used with the Centrex system but not with the Focus system because the Focus system is not touch tone capable. Messages were sent and received from the site to the Region III office over the Centrex system with no problems experienced.

6. Conclusion

Space available to the NRC in the emergency response facilities (ERFs') at the Clinton Power Station is adequate for the Expanded Activation Site Team (EAST). Modifications to current facility layouts would be required to accommodate the EAST and to allow for collocation of key response personnel with their licensee counterparts in the EOF and the TSC. Communications also appear to be adequate in the ERFs but the NRC would need access to additional telephones to be most effective.

7. Exit Interview

The inspectors met with licensee representatives denoted in Section 1 on December 9, 1987. The inspectors summarized the scope and results of the inspection.