

U. S. NUCLEAR REGULATORY COMMISSION

REGION III

Reports No. 50-315/92011(DRSS); 50-316/92011(DRSS)

Docket Nos. 50-315; 50-316

Licenses No. DPR-58; DPR-74

Licensee: Indiana Michigan Power Company
1 Riverside Plaza
Columbus, OH 43216

Facility Name: Donald C. Cook Nuclear Power Station, Units 1 and 2

Inspection At: Donald C. Cook Plant Site, Bridgman, Michigan

Inspection Conducted: May 18 - 22, 1992

Inspector: James R. Kniceley
James R. Kniceley
Physical Security Inspector

6/2/92
Date

Approved By: James R. Creed
James R. Creed, Chief
Safeguards Section

6/2/92
Date

Inspection Summary

Inspection on May 18 - 22, 1992 (Reports No. 50-315/92011(DRSS);
No. 50-316/92011(DRSS))

Areas Inspected: Routine, unannounced physical security inspection involving Management Support; Protected and Vital Area Barriers; Access Control-Personnel, Packages, and Vehicles; Alarm Stations and Communications; Power Supply; Testing, Maintenance and Compensatory Measures; Training and Qualification; and a review of previous inspection findings.

Results: The licensee was found to be in compliance with NRC requirements within the areas examined. We have concluded that the security program is well implemented. Licensee management attention to and involvement in the security program are excellent. Licensee resources are adequate and reasonably allocated. The Training and Qualification program met regulatory requirements. Security personnel observed were knowledgeable of their duties and responsibilities. Tested security equipment performed as required. The inspector also reviewed security requirements associated with the new fire protection pumping station which is being built within the protected area and determined that they have been adequately addressed. The licensee continues to progress adequately in their preparation for their Operational Safeguards Response Evaluation (OSRE) which has not yet been scheduled.

DETAILS

1. Key Persons Contacted

In addition to the key members of the licensee's staff listed below, the inspector interviewed other licensee employees and members of the security organization. The asterisk (*) denotes those present at the Exit Interview conducted on May 22, 1992.

*E. Fitzpatrick, Vice President - Nuclear Operations

*A. Blind, Plant Manager

*L. Matthias, Administrative Superintendent

*J. Bradshaw, Administrative Compliance Coordinator

*M. Horvath, Site Q.A. Superintendent

*L. Gibson, Assistant Plant Manager

*M. Kennedy, Q.A. Auditor

*D. Passehl, Resident Inspector, NRC Region III

J. Isom, Senior Resident Inspector, NRC Region III

2. Entrance and Exit Interviews

- a. At the beginning of the inspection, Mr. J. Bradshaw, Security Administrative Compliance Coordinator and others of your staff were informed of the purpose of this visit and the functional areas to be examined.
- b. The inspector met with the licensee representatives denoted in Section 1 at the conclusion of the inspection on May 22, 1992. A general description of the scope of the inspection was provided. Briefly listed below are the findings discussed during the exit interview.
 - (1) The licensee was informed of and acknowledged the inspector's comments that no violations, deviations or unresolved items were identified during this inspection.
 - (2) The inspector commented that the licensee's self assessment program and the Quality Assurance department's security audits and surveillances are important factors in their overall good performance and are considered program strengths.
 - (3) The inspector commented that the security program continues to be well implemented.
 - (4) The inspector commented that the contract security force members who were questioned and observed during this inspection were knowledgeable and proficient in performing their assigned duties.
 - (5) The inspector commented that the use of a remote control test device for crawl testing of the perimeter intrusion detection system would be acceptable and does give a more consistent and reliable test of the system.

- (6) The inspector commented that the licensee is adequately preparing for the Operational Safeguards Response Evaluation (OSRE).
- (7) The inspector commented that the security concerns associated with the installation of the new fire protection pumping station, which will be located inside the protected area, have adequately been addressed.
- (8) The Vice President - Nuclear Operations informed the inspector that as of June 1, 1992, all Nuclear Division and Quality Assurance Company personnel will be required to participate in the company's Fitness-For-Duty program.

3. Program Areas Inspected

Listed below are the core inspection areas which were examined by the inspector within the scope of these inspection activities in which no violations, deviations, unresolved or open items were identified. These areas were reviewed and evaluated as deemed necessary by the inspector to meet the specified "Inspection Requirements" (Section 02) of NRC Inspection Manual Inspection Procedure 81700 as applicable to the security plan. Sampling reviews included interviews, observations, testing of equipment, documentation review and, at times, drills or exercises that provided independent verification of meeting security commitments. The depth and scope of activities were conducted as deemed appropriate and necessary for the program area and operational status of the security system.

Number Program Area and Inspection Requirements Reviewed

81700 Physical Security Program for Power Reactors

- a. Management Support: (02.01a) Degree of Management Support; (02.01b) Change to Security Plans Properly Reported and Do Not Reduce Security Effectiveness; (02.01c) Program and Corrective Action System for Annual Audits; Qualifications and Independence of Auditors.
- b. Protected and Vital Area Barriers: (02.02a) PA and VA Barriers Meet Commitments and Provided Required Penetration Resistance; (02.02b) Isolation Zones Adequately Maintained; (02.02d) Assessment Aids Functional and Effective and Meet Commitments.
- c. Access Control-Personnel, Packages, and Vehicles: (02.03a) Positive Access Control to include: Proper Identification; Adequate Search Upon Entering PA; Badges Displayed; Visitors Escorted; Emergency Access to Vital Equipment; VA Access is Duty Related; (02.03b) Packages Searched and Properly Authorized; Controls for Containment Access; (02.03c) Vehicles Properly Authorized, Searched, and Controlled; Access to Vehicle Gates Controlled.

- d. Alarm Stations and Communications: (02.04a) Alarm Stations Adequately Equipped with Alarm, Surveillance, and Communications; Continuously Manned and Independent Functioning Capability; (02.04b) No CAS Interfering Operational Activities; (02.04c) Alarm Stations Have Continuous Communication Capability with Guards and LLEA.
- e. Power Supply: (02.05a) Secondary Power Source for Alarm and Communication System; (02.05b) Emergency Ingress and Egress During Loss of Power.
- f. Testing, Maintenance and Compensatory Measures: (02.06a) Adequate Installation, Testing and Maintenance of Security Equipment; (02.06b) Compensatory Measures Implemented and Effective.
- g. Training and Qualification: (02.07a) Officers Trained, Equipped, and Qualified; (02.07b) Officers Possess Adequate Knowledge and Ability to Perform Duties; (02.07d) Required Armed Response and Supervisors Available.

4. Physical Security Program for Power Reactors (IP 81700):

Some observations regarding the licensee's security program were identified and are discussed below:

- a. The inspector reviewed the licensee's plans to build a new fire protection pumping station inside the protected area. A one story building will be built in the southwest corner of the protected area, 31 feet from the south fence line and 25 feet from the west fence line. Security personnel have been involved in the planning process to ensure that security requirements are maintained during this construction process. The inspector reviewed the proposed compensatory measures to ensure that trench work, excavation under the fence, craft workers infringing isolation zone boundaries, lighting, and other unforeseen security concerns are adequately addressed.

This dedicated fire protection system will be in a closed loop configuration. The system will be able to be filled from the lake, however, normal operation will not be from lake water due to the continuing problem with Zebra mussels. Two 685,000 tanks (located outside the protected area) will deliver water via three pumps. This project is scheduled for completion by December 1992.

- b. The licensee conducts protected area intrusion detection testing using both personnel and a remote control test device. The inspector encouraged the use of the remote control test device because the device provides a consistent test, is geared down to the appropriate test speed, and the consistent size made each test more reliable. The use of individuals to crawl through detection zones is adequate but the adequacy of each test was dependent upon the size of the individual, the speed and technique used. The test device would perform consistently even during inclement weather.

