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U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Docket Nos: 50-456; 50-457
Licenses No: NPF-72; NPF-77

Reports No: 50-456/97006(DRS); 50-457/97006(DRS)

Licensee: Braidwood Nuclear Plant, Units 1 and 2

Location: RR #1, Box 79
Braceville, IL 60407

Dates: March 10-14, 1997

Inspector: J. Belanger, Senior Physical Security Inspector

Approved by: J. Creed, Chief, Plant Support Branch 1
Division of Reactor Safety

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EXECUTIVE SUMMARY

Braidwood Nuclear Plant, Units 1 & 2
NRC Inspection Reports 50-456/97006; 50-457/97006

This announced inspection included evaluation of performance of the security organization and review of previous open items.

Plant Support

Overall performance of the security organization was good. Security systems were effectively maintained. Personnel issues (tactical response drills and stress fire course) relating to preparation activities for the Operational Safeguards Response Evaluation (OSRE) were on schedule; however, engineering support for the design and installation of defensive positions and delay barriers lacked organization and direction, although progress was made in this area towards the end of the inspection.

- Several changes to key security management occurred since the previous security inspection conducted in August 1996. Oversight of security functions continued to be good. (Section S6.1)
- Performance of the security computer system, which was installed approximately one year ago, was good. Alarm station console operators were knowledgeable of system operation. (Section S2.1)
- Security force performance was very good. (Section S4.1) (Section S7)
- Self-assessment activities in physical security were effective. (Section S7)
- Security equipment was generally maintained in an effective condition. However, resolution of problems associated with a security door and a perimeter alarm zone were not timely. Performance tests of the x-ray machines showed that equipment age had affected the quality of resolution. The electrical maintenance staff maintained very good communications with the security organization. (Section S2.1)
- The licensee's preparations for the OSRE, which was scheduled for July 14-18, 1997, were ongoing. Priorities for the protection of equipment were established. Drills were used to evaluate individual and team tactical movement, command, control, and communications. The licensee had not developed and installed the protected firing positions for response officers, the in-plant contingency weapons storage locations, or delay barriers which were part of the overall protective strategy. (Section S1.1)

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