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U.S. NUCLEAR REGULATORY COMMISSION

REGION II

Docket Nos: 50-413 and 50-414
License Nos: NPF-35 and NPF-52
Report No: 98-02
Licensee: Duke Energy Corporation
Facility: Catawba Nuclear Station
Location: 422 South Church Street
Charlotte, NC 28242
Dates: January 12-13, 1998
Inspector: D. Thompson, Safeguards Inspector
Accompanying Personnel: George A. Belisle, Chief
Special Inspection Branch
Division Of Reactor Safety
Barry Manili, Licensing Reviewer
Office of Nuclear Reactor Regulation
Approved by: George A. Belisle, Chief
Special Inspections Branch
Division of Reactor Safety

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EXECUTIVE SUMMARY

Catawba Nuclear Power Station
NRC Inspection Report Nos. 50-413/98-02 and 50-414/98-02

This routine announced inspection was conducted in the area of plant support by a regional safeguards specialist. The specific area evaluated was the Malevolent Use of Vehicles at Nuclear Power Plants.

- The inspector concluded that the vehicle barrier system, using a combination of gates, jersey barriers, bollards, buildings, and terrain, was an acceptable barrier capable of stopping a design basis vehicle traveling at the established speed prior to the vehicle penetrating the protected area perimeter and causing damage to vital equipment. The inspector concluded that the engineering staff had performed a good analysis of the vehicle threat and had installed an appropriate vehicle barrier to counter the threat. (S2.5.1)
- The inspector determined that the licensee had installed the vehicle barrier at a distance that would preclude an explosion from a bomb-laden vehicle from causing damage to vital targets required for the safe shutdown of the reactor. (S2.5.2)
- Based on the inspector's review of the vehicle barrier system procedures and in discussion with the licensee, the inspector concluded that the plans and procedures were acceptable for implementing the vehicle barrier system. (S2.5.3)

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