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QUARTERLY REPORT

NRC Research and Technical Assistance Report

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Nuclear Power Plant Design Concepts
for
Sabotage Protection

Eleventh
Quarterly Progress Report

October-December 1980

NRC Research and Technical
Assistance Report

A. Phase I Report

Volume I (main body) and Volume II (supporting data and analyses) have been sent to the printer for publication and distribution. Volume III (classified fault trees and analyses) has been delayed, but work should continue next quarter. Volume III will have limited distribution.

B. Phase II Study

A revised program for Phase II was submitted on October 1. As of December 31, we had approval only for Task 1; therefore, was no activity this quarter on proposed Tasks 2, 3, and 4.

Task 1. Design Changes for BWR Plants. The sabotage fault trees for a BWR plant were obtained from a previous DOE study. The DOE study used a plant defined by the 238 GESAR for the nuclear portion and the BRAUNSAR for balance of plant. Appropriate plant layout drawings are being assembled and preparations made for the BWR baseline plant effectiveness evaluation. This analysis should be completed during the next quarter.