

AUG 2 1979

INTERIM REPORT

Accession No. _____
Contractor's Report No. _____

Contract Program or Project Title: Physical Protection of Nuclear Material
In Transit

Subject of this Document: Progress reported for June 1979

Type of Document: Monthly progress report

Author(s): Leon D. Chapman

Date of Document: 7/11/79

Responsible NRC Individual and NRC Office or Division: _____
Richard C. Robinson, Safeguards Research Branch, SAFER:RES

This document was prepared primarily for preliminary or internal use. It has not received full review and approval. Since there may be substantive changes, this document should not be considered final.

Prepared By
Sandia Laboratories
P.O. Box 5800
Albuquerque, New Mexico 87115

DISTRIBUTION:

- S. Levine, RES
- C. Beck, RES
- G. Giarratana, NMSS (6)
- M. Fadden, NMSS
- B. Clark, NRR
- F. Pagano, NRR
- R. Jones, SD
- J. Montgomery, SD
- O. Chambers, I&E
- W. Schwink, I&E

Prepared for
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

NRC FIN No. A1173

NRC Research and Technical
Assistance Report

INTERIM REPORT

364
7908500
611 207

PHYSICAL PROTECTION OF NUCLEAR MATERIAL IN-TRANSIT

Progress Report

June 1979

Prepared by

Leon D. Chapman
Safeguards Methodology Development Division 4416
Sandia Laboratories

11 June 1979

NRC Research and Technical
Assistance Report

611 208

PHYSICAL PROTECTION OF NUCLEAR MATERIAL IN-TRANSIT

Progress Report

Emergency Assistance Request Simulator (EARS)

Work was begun to convert EARS to the GASP simulation language. The previous version of EARS used the Q-GERT language, but computer memory constraints precluded any further implementation in the code. Inclusion of a jamming capability within the model, which is not present in the Q-GERT version, is desired. Sensitivity analyses also need to be performed.

611 209