

The information on this page is considered to be appropriate for public disclosure pursuant to 10 CFR 2.790(d)

U. S. NUCLEAR REGULATORY COMMISSION
OFFICE OF NUCLEAR MATERIAL SAFETY AND SAFEGUARDS

Report No.: 70-1257/91-201
License No.: SNM-1227
Safeguards Group: III
Licensee: Advanced Nuclear Fuels Corporation
2101 Horn Rapids Road
Richland, WA 99352-0130
Inspection Conducted: January 21-25, 1991

Inspectors: *M. C. Williams* 2/7/91
M. C. Williams, MC&A Physical Scientist
Physical Security and MC&A Licensing
and Inspection Section
Domestic Safeguards Branch
Date Signed

T. N. Pham 2/7/91
T. N. Pham, MC&A Physical Scientist
Physical Security and MC&A Licensing
and Inspection Section
Domestic Safeguards Branch
Date Signed

Approved by: *D. J. Kasun* 2/9/91
D. J. Kasun, Section Leader
Physical Security and MC&A Licensing
and Inspection Section
Domestic Safeguards Branch
Date Signed

SUMMARY

Scope: The areas examined during this routine inspection included the licensee's programs for assessing the performance of the MC&A system, measuring special nuclear material, and controlling measurement quality. Corrective actions taken in response to problems identified in previous inspections were also examined. The inspectors were accompanied by M. I. Spaletto, Chemist, New Brunswick Laboratory.

Results: Within the areas inspected, no violations or deviations were identified. Three followup items from previous inspections were closed, two items were continued, and two new items were opened.

Enclosure 1