

NRC Research and Technical
Assistance Report

LETTER REPORT

March 20, 1981

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Contractors Report No. _____

Contract Program or Project Title: Experimental Criticality Data for Code
Validation

Subject of this Document: Reporting for February 1981

Type of Document: Informal monthly progress report

Author(s): S. R. Bierman

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Responsible NRC Individual and NRC Office or Division _____

Donald E. Solberg, Chief, Systems Performance Research Branch, SAFER:RES

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NRC Research and Technical
Assistance Report

Prepared for
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Washington, D.C. 20555

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March 4, 1981

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*NRC Research and Technical
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Dear Mr. Solberg:

Subject: Review of Program - Experimental Criticality Data
for Code Validation (Fin. No. B2094, TDO-777)

NUREG/CR-1784, "Criticality Experiments With Subcritical Clusters of 2.35 wt% and 4.31 wt% ^{235}U Enriched UO_2 Rods In Water With Steel Reflecting Walls" has been transmitted to the NRC for publication and distribution. Continuation of similar experiments, at a water-to-fuel volume ratio of 1.6, with lead and depleted uranium reflecting walls is pending completion of experiments currently in progress for another program.

A chart indicating the spending for the current month and total spending for the fiscal year to date is enclosed.

Very truly yours,

S. R. Bierman, Project Manager
Criticality Analysis

SRB:lt

Enclosure

cc: Mr. Richard H. Odegaarden

MONTHLY PROGRESS VARIANCE REPORT

DATE PREPARED: 10/1/80	PROJECT TITLE: Criticality Data for Code Validation
SPONSOR: USNRC	PROJECT START DATE: 7/1/75
PROJECT FUNDING: \$182.4*	PROJECT COMPL. DATE: Continuing
PROJECT MANAGER: S. R. Bierman	LEAD LINE MANAGER: E. D. Clayton

PROJECT NO.: TD-0777

* Includes \$32.4 carry over from FY-1980.

1. MAJOR OBJECTIVES

The procurement of experimental criticality data for use as confirmatory benchmark type data in criticality assessment of fuel element shipping casks.

2. PROJECT COSTS

