

LETTER REPORT

January 22, 1981

Accession No. _____

Contractors Report No. _____

Contract Program or Project Title: Definition of Parameters for Major Accidents
at Waste Solidification and Spent Fuel Storage Facilities

Subject of this Document: Progress reported for December 1980

Type of Document: Informal monthly progress report

Author(s): E. J. Frederick

Date of Document: January 21, 1981

Responsible NRC Individual and NRC Office or Division _____

G. S. Lewis, Systems Performance Research Branch, SAFER:RES

Prepared by
Oak Ridge National Laboratory
P.O. Box X
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Prepared for
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

NRC FIN NO. B0425

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LETTER REPORT

NRC Research and Technical
Assistance Report

OAK RIDGE NATIONAL LABORATORY

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January 21, 1981

Mr. G. S. Lewis, Project Manager
Systems Performance Branch
Office of Nuclear Regulatory Research
U.S. Nuclear Regulatory Commission
Mail Stop 1130SS
Washington, D.C. 20555

Dear Mr. Lewis:

In accordance with your instructions, I am transmitting herewith a brief report for the month of December 1980 on the "Definition of Parameters for Major Accidents at Waste Solidification and Spent Fuel Storage Facilities" program.

Very truly yours,

A handwritten signature in dark ink, appearing to read "E. J. Frederick".

E. J. Frederick
Manager of Regulatory Programs
Chemical Technology Division

EJF:hgm

Enclosure

cc: D. E. Ferguson
R. W. Glass
W. S. Gregory, LASL
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NRC Research and Technical
Assistance Report

PROGRESS REPORT FOR DECEMBER 1980

PROJECT TITLE: Definition of Parameters for Major Accidents at Waste
Solidification and Spent Fuel Storage Facilities

189 No.: B0425

BUDGET ACTIVITY NO.: DOE 41 88 55 02 5

PERSON IN CHARGE: E. J. Frederick

PRINCIPAL INVESTIGATORS: H. W. Godbee and E. L. Compere

ACCOMPLISHMENTS:

Work continued on the Accident Analysis Handbook (AAH). Vacation schedules delayed the completion of the revised draft of Chapter 3 (which is being modified in accordance with the comments from NRC) and slowed the completion of the first draft of Chapter 5. The effect of this slippage on the AAH schedule presented at the Las Cruces meeting in October is show in the attached Table.

Table. SLIPPAGE IN AAH SCHEDULE OF OCTOBER 1980

ITEM	10-29-80 SCHEDULE	01-02-81 SCHEDULE
COMPLETE REVISED DRAFT OF CHAPTER 3 WITH APPENDICES OF SPECIFIC FACILITY DESCRIPTION	DECEMBER 31, 1980	FEBRUARY 2, 1981
DELIVER FIRST DRAFT OF CHAPTER 5, "EVENT DEFINING PARAMETERS"	JANUARY 31, 1981	FEBRUARY 12, 1981
DELIVER COMPLETE REVISED DRAFT OF CHAPTER 4	FEBRUARY 28, 1981	NO CHANGE
DELIVER FIRST DRAFT OF CHAPTER 6, "IMPORTANT PHYSICO- CHEMICAL PROPERTIES OF MATERIALS"	FEBRUARY 28, 1981	NO CHANGE
DELIVER COMPLETE DRAFT OF ORNL CHAPTERS 3, 4, 5, AND 6 WITH APPENDICES	MARCH 31, 1981	NO CHANGE