## INTERIM REPORT

August 28, 1980

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Contract Program or Project Title: Investigation of Accident-Induced

Flow and Material Transport in Nuclear Facilities

Subject of this Document: Progress reported for July 1980

Type of Document: Informal monthly progress report

Author(s): R. A. Martin and W. S. Gregory

August 14, 1980 Date of Document:

Responsible NRC Individual and NRC Office or Division:

G. S. Lewis, Systems Performance ... rch 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 sutstantive changes, this document should not be considered final.

> Prepared by Los Alamos Scientific Laboratory P.O. Box 1663 Los Alamos, New Mexico 87545

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

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# LOS ALAMOS SCIENTIFIC LABORATORY

Post Office Box 1663 Los Alamos, New Mexico 87545

In reply refer to: Mail stop: WX-8-3786 (R673) 928 August 14, 1980

Mr. G. S. Lewis MS 1130SS Systems Performance Branch Fuel cycle & Environmental Research Division of Safeguards US Nuclear Regulatory Commission Washington, DC 20555

Dear Lew:

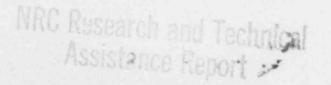
SUBJECT: R673 MONTHLY PROGRESS LETTER FOR JULY 1980--INVESTIGATION OF ACCIDENT-INDUCED FLOW AND MATERIAL TRANSPORT IN NUCLEAR FACILITIES

### I. MANAGEMENT

We have spent most of July 1980 preparing a justification document for our near-term experimentation. As you know, the justification document was prepared jointly between Pacific Northwest Laboratories (PNL) and ourselves. In this document we described the following:

- a comprehensive program development plan and schedule of deliverables,
- program development needs in analytical support,
- program development needs in experimental support that are based on the NRC controlling parameter list and analytical program needs, and
- the coordination and synchronization of PNL/LASL analytical and experimental programs.

Another area of emphasis this month included working with PNL and Oak Ridge National Laboratory (ORNL) to assure proper interface between PNL/ORNL front-end information and LASL code input requirements. To this end, two walkthroughs were performed by PNL and ORNL for a facility fire and loss of coolant, respectively. The results of these walkthroughs were outlined for you in our briefing on July 25, 1980.



G. S. Lewis WX-8-3786 (R673)

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Your approval of our development plans at the July 25, 1980, meeting will allow us to devote more of our effort toward the technical areas in the coming months.

#### II. BUDGET STATUS

Our spending for July 1980 was \$34.4 K, and our cumulative spending through July for FY 1980 is \$252.3 K.

Sincerely,

R. a. Martin/ Knt R. A. Martin W. S. Gregory/ und W. S. Gregory

## RAM/WSG:tg

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