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INTERIM REPORT

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Contract Program or Project Title: Accident-Induced Flow & Material
Transport in Nuclear Facilities

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*NRC Research and Technical
Assistance Report*

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WV 8/10/79

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In reply refer to: WX-8-3038 (R673)
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July 25, 1979

Mr. Donald E. Solberg
Systems Performance Branch
Division of Safeguards, Fuel Cycle
and Environmental Research
US Nuclear Regulatory Commission
Washington, DC 20555

Dear Don:

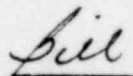
SUBJECT: R673 MONTHLY PROGRESS LETTER FOR JUNE 1979, ACCIDENT-INDUCED
FLOW AND MATERIAL TRANSPORT IN NUCLEAR FACILITIES

Our review of literature on fire-induced flow indicates that the National Bureau of Standards has established an ad hoc committee on mathematical fire modeling. We plan to contact personnel on this committee in addition to attending a short course on heat transfer in fires to be presented at the American Society of Mechanical Engineers' convention, San Diego, California, August 1979.

Our literature review of material transport and reentrainment is continuing as outlined in last month's progress letter.

We plan to order a Hewlett-Packard HP-9845 desktop calculator to upgrade our test facility. This device will serve multiple roles as controller for peripheral data acquisition devices (to be purchased using FY 1980 equipment funds) and as a computer for data storage, data reduction, and display. The HP-9845 has excellent graphics, software, and interface features and is easily programmed in BASIC. Because it is portable, we will be able to use it either in our office area (for writing and debugging programs) or at the test facility.

Yours truly,



W. S. Gregory



R. A. Martin

WSG/RAM:ern

Distribution: See Page 2

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D. E. Solberg
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July 25, 1979

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