

May 15, 1980

Mr. Richard Sherry
Fuel Behavior Research Branch
Office of Nuclear Regulatory Research
U.S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Sherry:

Program Title/Activity Identification

This is the eighth monthly report for the project "Steam Generator Tube Rupture Iodine Transport Mechanisms", which is Task 12 of agreement NRC-04-76-293.

Progress and Technical Highlights for
April, 1980

Task I

Modifications were made to the test apparatus design to facilitate welding and assembly. Fabrication began during the last week in April.

Task II

Paul Baybutt attended a meeting with NRC personnel and Combustion Engineering staff in Chattanooga, Tennessee on April 9, to seek information on the design of CE steam driers and moisture separators. This information is needed for modeling water droplet removal by these system components. Subsequent telephone conversations have been held with CE personnel, but the promised information has not been received by Battelle as yet. Limited modeling of droplet removal was performed using some information provided at the April 9 meeting. Work was also performed on finalizing the thermal hydraulic models to be used in the code.

Anticipated Activities in May

Task I

Fabrication should be completed by the end of May. This should include hydrostatic testing of the vessels.

May 15, 1980

Task II

No effort is anticipated on this task in May.

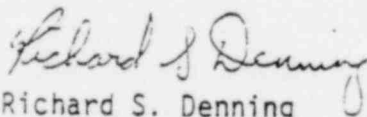
Costs

Costs for March were \$7,005 including a fee of \$524. Monthly expenditures are shown in Figure 1. The cumulative expenditure on the program is \$67,650. At this stage of the program, cost status is of some concern. Although total expenditures and progress are close to schedule, efforts for design of the facility exceeded budget by approximately one man-month. Little contingency now exists in the program for unanticipated problems.

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Sincerely,



Richard S. Denning
Research Leader
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