

PROGRESS REPORT FOR APRIL-MAY 1979

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

COSTS: April - May (2 months) - \$18,506
FY to Date - \$18,506
Total to Date - \$18,506
Estimated Cost to Completion \$81,494

ACCOMPLISHMENTS:

Principal investigators from ORNL met in Silver Spring, MD on April 17, 1979, with personnel (from NRC, PNL, and LASL) who are involved in the overall NRC program to generate an improved basis for evaluating the consequences of major accidents in fuel-cycle facilities. Following the meeting, at the request of PNL, ORNL carried out a search of the NSIC and several other computerized bibliographies seeking information on aerosol production and/or accidents in fuel fabrication plants. The results were transmitted to PNL.

A library of documents (e.g., impact statements and management plans) that contain information on aerosol generation and/or accidents in fuel storage facilities and defense waste solidification facilities is being assembled. Plans have been made for an ORNL visit to Argonne in early-June to discuss their data base on accidents and incidents in nuclear fuel-cycle facilities. Tentative plans have been made for PNL to visit ORNL in late-June for discussions on the searches done for PNL by ORNL, to review the results of the Argonne visit, and to work on the list of major accidents for presentation to NRC in late-July.

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