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INTERIM REPORT

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ACCESSION NO. \_\_\_\_\_  
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Contract Program or  
Project Title:

Technology and Costs of Termination  
Surveys Associated with Decommission-  
ing of Nuclear Facilities

Subject of this Document:

Technical Progress

Type of Document:

Monthly Progress Report

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Health and Safety Research  
Division\*

Date of Document:

September 1980

Responsible NRC Individual and  
NRC Office or Division:

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Prepared for  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555  
Under Interagency Agreement(s) DOE #40-543-75  
NRC FIN No. A9042

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Oak Ridge, Tennessee 37830  
operated by  
Union Carbide Corporation  
for the  
Department of Energy

INTERIM REPORT

NRC Research and Technical  
Assistance Report

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MONTHLY PROGRESS REPORT FOR SEPTEMBER 1980

TECHNOLOGY AND COSTS OF TERMINATION SURVEYS  
ASSOCIATED WITH DECOMMISSIONING OF NUCLEAR FACILITIES  
(189 No. A-9042)

PRINCIPAL SCIENTISTS: J. P. Witherspoon and C. F. Holoway

Objectives:

The technical objective of this project is to evaluate the technology and cost of conducting termination surveys at six different types of nuclear sites at three different levels of residual radioactivity. Major items for cost estimation include land surveying, radiological surveying, soil sampling, laboratory analysis, data analysis and report preparation. The anticipated sites requiring this evaluation include a representative power reactor, a fuel fabrication plant, an uranium conversion facility, a spent fuel storage site, a fuel reprocessing plant, and a non-fuel cycle facility.

Major Accomplishments:

With the transfer of H. W. Dickson to the Industrial Safety and Applied Health Physics Division, project responsibility has been transferred to J. P. Witherspoon. A major portion of September project time has been spent in gaining familiarity with technical aspects of the project to ensure an orderly transition of leadership.

Work continued on the application of termination survey methodology devised for a power reactor site to the other facility sites. One major change in working assumptions has been made. We are now assuming that all buildings on decommissioned sites are left standing.

Status of Project:

The draft report on "Technology and Costs of Termination Surveys Associated with Decommissioning of Nuclear Facilities" is being prepared. We anticipate completion of this report by the end of November.

Manpower and Cost Summary:

Efforts in Man Months			Cost K\$			Additional cost to completion (est.)
Sept. 1980	FY 1980	Total to date	Sept. 1980	FY 1980	Total cost to date	
1.6	7.2	7.2	11.5	60.0	60.0	\$0

NRC Research and Technical  
Assistance Report

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