

INTERIM REPORT

ACCESSION No. \_\_\_\_\_  
ORNL/MCD/NEES-80/4

Project Title: Nondestructive Examination  
Evaluation Support

Type of Document: Monthly Progress Report  
April 1980

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This document was prepared primarily for preliminary or internal use. It has not received full review and approval. since there may be substartive changes, this document should not be considered final.

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U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555  
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Oak Ridge, Tennessee 37830  
operated by  
Union Carbide Corporation  
for the  
U.S. Department of Energy

INTERIM REPORT

NRC Research and Technical  
Assistance Report

8006180 390

Monthly Report for April 1980

PROGRAM TITLE: Nondestructive Examination Evaluation Support

PROGRAM MANAGER: Robert W. McClung

ACTIVITY NUMBER: ORNL 41 88 54 40 4 (FIN No. B0233)/B&R No. 20 19 01 02

OBJECTIVE:

To provide an independent evaluation of the results of nondestructive examination on components of operating nuclear power plants and of the state-of-the-art NDE techniques, and to provide recommendations for alternate and improved inspection techniques.

TECHNICAL HIGHLIGHTS:

A presentation was made at the Program Mid-Year Review in Bethesda, Maryland, on April 16. The activities and expenditures on this program (Nondestructive Examination Evaluation Support) were summarized over the first half of the fiscal year.

A visit was made to the Three-Mile Island Reactor in Middletown, Pennsylvania, on April 17. Ultrasonic inspection procedures and associated metallographic examinations were reviewed. A report summarizing the visit was written to V. Noonan.

We participated in several telephone calls, including a conference call with NRC personnel to discuss the ultrasonic inspection of General Electric turbine wheels.

NRC Research and Technical  
Assistance Report

FINANCIAL STATUS: (\$000)

Financial Plan FY 1980 . . . . .		78
Costs through March . . . . .	31.2	
Costs in April . . . . .	<u>4.4</u>	
Total . . . . .	35.6	
Balance . . . . .		42.4

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10. D. Sellers, Materials Application Section, Materials Engineering Branch, Mail Stop P1000, U.S. Nuclear Regulatory Commission, Washington, DC 20555
11. V. Noonan, Engineering Branch Chief, Division of Operating Reactors, U.S. Nuclear Regulatory Commission, Mail Stop 440, Washington, DC 20555
- 12-13. Division of Technical Information and Document Control, U.S. Nuclear Regulatory Commission, 7920 Norfolk Avenue, Bethesda, MD 20012