

NRC Research and Technical  
Assistance Report

OAK RIDGE NATIONAL LABORATORY  
OPERATED BY  
UNION CARBIDE CORPORATION  
NUCLEAR DIVISION



POST OFFICE BOX X  
OAK RIDGE, TENNESSEE 37830  
February 6, 1981



Mr. D. Sellers  
Materials Application Section  
Materials Engineering Branch  
Mail Stop P1000  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Mr. Sellers:

Enclosed is the monthly progress report (January 1 through January 31, 1981) on the project entitled "Nondestructive Examination Evaluation Support" (FIN No. B0233).

Sincerely yours,

R. W. McClung  
Nondestructive Testing Group  
Metals and Ceramics Division

RWM/jlb

Enclosure

8103080 195

INTERIM REPORT

ACCESSION NO. \_\_\_\_\_

ORNL/MCD/NEES-81/1

Project Title:

Nondestructive Examination  
Evaluation Support

Type of Document:

Monthly Progress Report  
January 1981

Author(s), Affiliation, and Address:

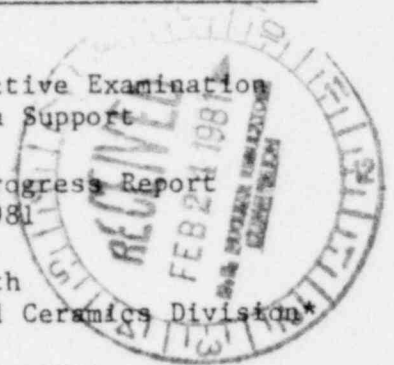
J. H. Smith  
Metals and Ceramics Division\*

Date of Document:

February 6, 1981

NRC Individual and NRC Office or Division  
to Whom Inquiries Should be Addressed:

D. Sellers  
Materials Engineering Branch



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

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Prepared for  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555  
Under Interagency Agreement DOE 40-544-75  
NRC FIN No. B0233

\*Oak Ridge National Laboratory  
Oak Ridge, Tennessee 37830  
operated by  
Union Carbide Corporation  
for the  
U.S. Department of Energy

INTERIM REPORT

Monthly Report for January 1981

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:

J. H. Smith attended a meeting at the Phillips Building in Bethesda, Maryland on January 23, 1981 to participate in the discussion of ultrasonic inspections of Westinghouse turbine discs. Specific data were discussed concerning inspections performed at the North Anna nuclear site unit 1. A summary report was written to Warren Hazelton.

FINANCIAL STATUS: (\$000)

Financial Plan FY 1980 . . . . .		78.0
Costs through December 1980 . . . . .	60.4	
Costs in January 1981 . . . . .	<u>2.1</u>	
Total . . . . .	62.5	
Balance . . . . .		15.5

## INTERNAL DISTRIBUTION

1. C. V. Dodd
2. K. K. Klindt
3. R. W. McClung
4. F. R. Mynatt
5. G. M. Slaughter
6. J. H. Smith
7. Laboratory Records, RC

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- 8-9. Technical Information Center, DOE, Oak Ridge, TN 37830
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11. D. Sellers, Materials Application Section, Materials Engineering Branch, Mail Stop P1000, U.S. Nuclear Regulatory Commission, Washington, DC 20555
12. V. Noonan, Engineering Branch Chief, Division of Operating Reactors, U.S. Nuclear Regulatory Commission, Mail Stop 440, Washington, DC 20555
- 13-14. Division of Technical Information and Document Control, U.S. Nuclear Regulatory Commission, 7920 Norfolk Avenue, Bethesda, MD 20012