

TRIP REPORT

TO: Robert L. Johnson, Project Manager
 Repository Project Branch
 Division of Waste Management

TRAVELER
 FROM
 BRANCH
 John C. Voglewede
 Engineering Branch, WM

PLACES VISITED
 A. Pacific Northwest Laboratory
 B. DOE Salt Repository Project Office and
 Office of Nuclear Waste Isolation

DATES OF TRIP
 A. 8/12/86 - 8/13/86
 B. 8/15/86

PERSONS CONTACTED
 See attached list of attendees (A & B).

PURPOSE OF TRIP
 A. Examination of Metal Barriers Testing Program and Waste Package Environmental Studies sponsored by the Salt Repository Project and conducted by Battelle Pacific Northwest Laboratory.
 B. Examination of draft program documents and plans related to the salt repository waste package at the Salt Repository Project Office and Office of Nuclear Waste Isolation (Battelle Memorial Institute).

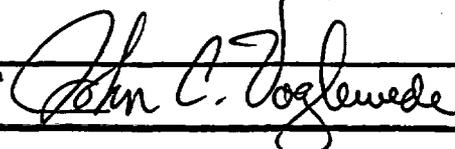
ACCOMPLISHMENTS
 A. NRC and contractor staff reviewed test data, test procedures, testing approaches and methodologies, experimental techniques and test apparatus used in the Metal Barriers Testing Program. The Staff also reviewed experimental conditions as indicated by the Waste Package Environmental Program.
 B. NRC and contractor staff reviewed draft documents related to waste package program planning and strategy. The Staff also reviewed several draft technical positions related to the salt waste package.

PROBLEMS ENCOUNTERED
 None.

PENDING ACTIONS
 One document (R.E. Westerman et al., Corrosion and Environmental-Mechanical Characterization of Iron-Base Nuclear Waste Package Structural Barrier Materials, PNL-5426, March 1986) was retained by the staff. In accordance with the Appendix 7 guidelines, a copy of that report is attached.
 The NRC salt repository team was briefed upon completion of the visit.

RECOMMENDATIONS
 A greater amount of time should be allocated to document review indicated in Part B of the trip above.

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 PDR WASTE
 WM-16 PDR

SIGNATURE - TRAVELER  John C. Voglewede

DATE 9/9/86

Annual Report – FY 1984

**Corrosion and
Environmental-Mechanical
Characterization of
Iron-Base Nuclear Waste
Package Structural Barrier
Materials**

**R. E. Westerman B. A. Pulsipher
J. H. Haberman L. A. Sigalla
S. G. Pitman**

March 1986

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**Pacific Northwest Laboratory
Operated for the U.S. Department of Energy
by Battelle Memorial Institute**



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TRIP RPT/JCV/09/09/86

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