



**Department of Energy**

Nevada Operations Office  
P. O. Box 14100  
Las Vegas, NV 89114-4100

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S. M. Coplan  
Project Manager  
Division of Waste Management  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

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WM Project 11

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**USGS REPORTS FOR GEOLOGY WORKSHOP**

Attached for your information and use are the following USGS Open-file Reports (OFR) and abstracts which serve as background material for the DOE/NRC workshop on geology, to be held on October 4 and 5, 1983:

Major-Element Geochemistry of the Silent Canyon-Black Mountain Peralkaline Volcanic Centers, Northwestern Nevada Test Site: Applications to an Assessment of Renewed Volcanism; B. M. Crowe and K. A. Sargent; OFR 79-926.

Preliminary Assessment of the Risk of Volcanism at a Proposed Nuclear Waste Repository in the Southern Great Basin; B. M. Crowe and W. J. Carr; OFR 80-357.

Analysis of Thermal Data from Drill Holes UE25a-3 and UE25a-1, Calico Hills and Yucca Mountain, Nevada Test Site; J. H. Sass et al.; OFR 80-826.

Preliminary Interpretations of Geologic Results Obtained from Boreholes UE25a-4, -5, -6, and -7, Yucca Mountain, Nevada Test Site; R. W. Spengler and J. G. Rosenbaum; OFR 80-929.

Interpretation of Geophysical Well-Log Measurements in Drill Hole UE25a-1, Nevada Test Site, Radioactive Waste Program; J. T. Hagstrum et al.; OFR 80-941.

Analysis of the Magnetic Susceptibility Well Log in Drill Hole UE25a-5, Yucca Mountain, Nevada Test Site; J. T. Hagstrum et al.; OFR 80-1263.

Uranium-Thorium Dating of Quaternary Carbonate Accumulations in the Nevada Test Site Region, Southern Nevada; B. J. Szabo et al.; OFR 81-119.

Correlation Characteristics of Surficial Deposits with a Description of Surficial Stratigraphy in the Nevada Test Site Region; D. L. Hoover et al.; OFR 81-512.

Southern Great Basin Seismological Data Report for 1980 and Preliminary Data Analysis; A. M. Rogers et al.; OFR 81-1086.

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Interpretation of Hole-to-Surface Resistivity Measurements at Yucca Mountain, Nevada Test Site; J. J. Daniels and J. H. Scott; OFR 81-1336.

Rock Property Analysis of Core Samples from the Calico Hills UE25a-3 Borehole, Nevada Test Site, Nevada; L. A. Anderson; OFR 81-1337.

Rock Property Analysis of Core Samples from the Yucca Mountain UE25a-1 Borehole, Nevada Test Site, Nevada; L. A. Anderson; OFR 81-1338.

Stratigraphy and Structure of Volcanic Rocks in Drill Hole USW-G1, Yucca Mountain, Nye County, Nevada; R. W. Spengler et al.; OFR 81-1349.

Interpretation of Resistivity and Induced Polarization Profiles with Severe Topographic Effects, Yucca Mountain Area, Nevada Test Site, Nevada; C. Smith and H. P. Ross; OFR 82-182.

Magnetometric Resistivity Survey Near Fortymile Wash, Nevada Test Site, Nevada; D. V. Fitterman; OFR 82-401.

Three-Dimensional Modeling of the Nevada Test Site and Vicinity from Teleseismic P-Wave Residuals; M. E. Monfort and John R. Evans; OFR 82-409.

Volcano-Tectonic History of Crater Flat, Southwestern Nevada, as Suggested by New Evidence from Drill Hole USW-VH-1 and Vicinity; W. J. Carr; OFR 82-457.

Preliminary Results of Gravity Investigations at Yucca Mountain and Vicinity, Southern Nye County, Nevada; D. B. Snyder and W. J. Carr; OFR 82-701.

Preliminary Interpretation of Thermal Data From the Nevada Test Site; J. H. Sass and A. H. Lachenbruch; OFR 82-973.

E-Field Ratio Telluric Traverses Near Fortymile Wash, Nevada Test Site, Nevada; D. B. Hoover et al.; OFR 82-1042.

Structure and Intra-Cooling Unit Zonation in Welded Tuffs of the Unsaturated Zone, Yucca Mountain., Nevada, A Potential Nuclear Waste Repository; R. B. Scott et al.; EOS.

Gravity Interpretation of Yucca Mountain, Nye County, Nevada and its Implications for Southern Nevada Structure; D. B. Snyder; EOS.

Relations Between Observed Seismic Activity and Structure in the Southern Great Basin of Nevada and California; A. M. Rogers et al.; EOS.

Structural Setting and Rate of Tectonic Activity in the Yucca Mountain Region, Southwestern Great Basin, Nevada and California; W. J. Carr; EOS.

Geophysical and Geologic Characterization of Yucca Mountain and Vicinity, Nevada; W. W. Oliver et al.; EOS.

Structural Framework of a Potential Nuclear Waste Repository, Yucca Mountain, Nevada Test Site; R. B. Scott; EOS.

Gravity and Magnetic Studies in the Region of the Nevada Test Site; M. F. Kane et al.; EOS.

Teleseismic Studies of the Earth's Crust and Upper Mantle in Southern Nevada; M. E. Monfort and J. R. Evans; EOS.

Hydrologic Implications of Preliminary Heat-Flow Data from the Nevada Test Site; J. H. Sass and A. H. Lachenbruch; EOS.

Deep Borehole Stress Measurements at the Nevada Test Site; J. H. Healy et al.; EOS.

Seismic Refraction and Gravity Modeling of Yucca Mountain, Nevada Test Site, Southern Nevada; W. D. Mooney et al.; EOS.

Rock Property Analysis for Core Samples from Yucca Mountain Boreholes, Nevada Test Site, Nevada; L. A. Anderson; EOS.

Commercial Borehole Geophysical Logs at Yucca Mountain, Nevada; D. C. Muller; EOS.

The following reports you requested are not attached because no copies were available:

Preliminary Report on the Geology and Geophysics of Drill Hole UE25a-1, Yucca Mountain, Nevada Test Site; R. W. Spengler et al.; OFR 79-1244.

Preliminary Geologic and Geophysical Data of the UE25a-3 Exploratory Drill Hole, Nevada Test Site, Nevada; F. Maldonado et al.; USGS-1543-6.

Interpretation of Geophysical Well-Log Measurements in Drill Holes UE25a-4, -5, -6, and -7, Yucca Mountain, Nevada Test Site; J. J. Daniels et al.; OFR 81-389.

Reconnaissance Seismic Refraction Studies at Calico Hills, Wahmonie, and Yucca Mountain, Southwest Nevada Test Site, Nye County, Nevada; L. W. Pankratz; OFR 82-478.

Search for Potential Sites; G. L. Dixon and V. M. Glanzman; OFR 82-509.

Mineralogy of Fine Grained Alluvium from Borehole U1lg, Expl. 1, Northern Frenchman Flat Area, Nevada Test Site; B. F. Jones; OFR 82-765.

Search for Potential Sites; G. L. Dixon and D. B. Hoover; USGS Circular 847.

S. M. Coplan

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1980 National Waste Terminal Storage Program Information Meeting, Battelle Memorial Institute, Columbus, Ohio, Office of Nuclear Waste Isolation, December 8, 1980; ONWI-212.



Donald L. Vieth, Director  
Waste Management Project Office

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Enclosure:  
As stated

cc w/o encl:  
W. W. Dudley, Jr., USGS, Denver, CO  
M. E. Spaeth, SAI, Las Vegas, NV.