



Department of Energy
Yucca Mountain Site Characterization
Project Office
P. O. Box 98608
Las Vegas, NV 89193-8608

WBS 1.2.3
QA: N/A

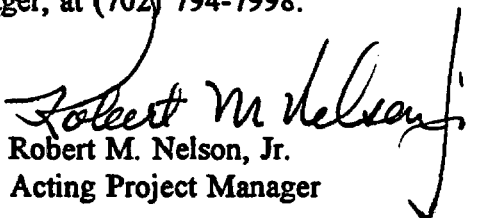
DEC 13 1993

Robert R. Loux
Executive Director
Agency for Nuclear Projects
State of Nevada
Evergreen Center, Suite 252
1802 North Carson Street
Carson City, NV 89710

**RESPONSE TO REQUEST FOR INFORMATION ON THE UNIVERSITY OF NEVADA
RENO REVERSE REFRACTION EXPERIMENTS, NON-PROLIFERATION EXPERIMENT
ASSOCIATED TESTING OF SEPTEMBER 1993 (SCP: N/A)**

Your letter (Loux to Gertz, dated November 5, 1993) requested planning and status information on the reverse refraction profiling experiment conducted by a team from the University of Nevada Reno. The enclosure provides this information. Quality checks of the data set have not been completed. Delivery of recorded data and analysis and interpretations of data are due in the Yucca Mountain Site Characterization Project Office July 1, 1994. The schedule for delivery of this information to you will be provided upon completion of quality checks by the U.S. Geological Survey and the University of Nevada Reno technical staff.

Please direct any questions regarding this request to Mark C. Tynan at (702) 794-7940 or Ardyth M. Simmons, Technical Data Manager, at (702) 794-7998.


Robert M. Nelson, Jr.
Acting Project Manager

RSED:MCT-1028

Enclosure:
Description and Status of Study

070044

102.7
WM-11
N/A

To: Larry Hayes

Location: USGS-YMP

Office Phone #

FAX Phone # 794-7090

From: Jim Brune

Department: Seismology

Account 1330 114 1183

Office Phone #

Number of Pages, Incl cover sheet: 1

Message:

APPROVED PLAN

Deploy 46 portable instruments to conduct a reverse refraction and fan shot experiment in conjunction with the NPE 1 kiloton chemical explosion and a reversing 3200# chemical explosion near Ryan, California. Record both explosions on the permanent SGBSN network.

STATUS

Records from both shots were obtained on nearly all stations. Clear first arrivals were recorded on most stations from the NPE and stations at distances less than about 80 km for the Ryan shot. QA checks have not been completed. Preliminary record sections are expected to be available in January. Final Quality Assured data should be sent to the data center by July 1, 1994.

Origin:

Mackay School of Mines
A College of Engineering, Sciences and Public Service
University of Nevada, Reno
Reno, Nevada 89557

Facsimile Number: (702) 784-1766

Mackay School of Mines
Center for Neotectonic Studies
Chemical and Metallurgical Engineering
Computer Sciences
Dean's Office
Generic Center
Geological Sciences
Hydrology / Hydrogeology Program
Mackay Mineral Research Institute
Mining Engineering
Seismological Laboratory

ENCLOSURE

Robert R. Loux

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DEC 13 1993

cc w/encl:

A. B. Benson, HQ (RW-52) FORS

B. J. Youngblood, NRC, Washington, DC

B. E. Reilly, SAIC, Las Vegas, NV

L. R. Hayes, USGS, Las Vegas, NV

R. W. Craig, USGS, Las Vegas, NV

J. T. Sullivan, YMP, NV

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