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QA: N/A
Project No. WM-00011

FEB 06 2006

OVERNIGHT MAIL

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**SEISMIC WAVEFORM DATA FROM CONVENTIONAL DOWNHOLE AND
SUSPENSION SURVEYS**

Reference: Ltr, Collins to Ziegler, dtd 11/15/05 (Request for Yucca Mountain Velocity Data)

The reference letter requests seismic waveform data in electronic format from conventional downhole and suspension surveys conducted at the site. The reference describes the requested data as follows:

- Downhole waveform data: "Complete sets of the shear-and compression-wave signals are contained in Scientific Notebooks SN-M&O-SCI-024-V1, (Wong 2002b), and SN-M&O-SCI-024-V2 (Luebbers 2002c)"
- Suspension waveform data: "The raw and filtered waveforms are reported in Scientific Notebooks SN-M&O-SCI-024-V1 (Luebbers 2002a) and SN-M&O-SCI-024-V2 (Luebbers 2002b)"

Review of the original source *Geotechnical Data for a Potential Waste Handling Building and for Ground Motion Analyses for the Yucca Mountain Site Characterization Project*, ANL-MGR-GE-000003, indicates that the correct notebook specifications for the downhole data are SN-M&O-SCI-030-V1 and SN-M&O-SCI-025-V1; these data are being provided to satisfy the request. In addition, the review showed that supplemental information from the scientific notebooks is required for use of the data. Therefore, to facilitate your review of the data, this information is provided in the accompanying Enclosures 3 and 4.

Enclosure 1 is a CD containing Seismic Waveform Data. Enclosure 2 is a list of files on the Enclosure 1 CD. Enclosure 3, Supplemental Descriptions, consists of supplemental descriptions and provides an index to information in the scientific notebooks. As indicated in Enclosure 3, Table 1, Supplemental Record 1 (*Interim Data CD*) (MOL.20020509.0129) has not been provided because it was superseded by the final data CD (MOL.20020509.0131). Enclosure 4 is copies of scientific notebooks that describe the acquisition of the seismic velocity data.

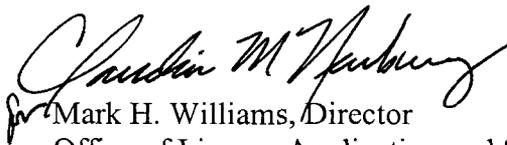
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Because of the volume of this information, a copy of the enclosure(s) can be provided upon request to others on the distribution for this letter. There are no new regulatory commitments in the body or the enclosures to this letter.

If you have any questions about these data or the associated notes, please contact Jon P. Ake at (702) 794-5526 or e-mail jon_ake@ymp.gov, or contact Carol L. Hanlon at (702) 794-1324 or e-mail carol_hanlon@ymp.gov.



Mark H. Williams, Director

Office of License Application and Strategy

OLA&S:CLH-0435

Enclosures:

1. CD: Seismic Waveform Data
2. List of Files on the CD
3. Supplemental Description
4. Copies of Scientific Notebooks

FEB 06 2006

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