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WBS: 1.2.5.4.1.7
QA: NQ

March 9, 1993

Contract #: DE-AC01-91-RW00134
LV.PA.CEB.2/93-006

J. Russell Dyer, Director, Regulatory and Site Evaluation Division
U.S. Department of Energy
Yucca Mountain Site Characterization Project Office
P.O. Box 98608
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Subject: Preliminary Draft of the Waste Isolation Evaluation of the
Data Acquisition Phase of UE-25 UZ#16 (VSP#2)

Reference: "Request for Waste Isolation and Test-to-Test Interference
Evaluation and Test Controls for UE-25 UZ-16 (VSP-2) Data
Acquisition Phase" Letter from J. R. Dyer, YMPO, to L. D.
Foust, CRWMS M&O, November 10, 1992.

In response to the referenced request, we have evaluated the potential
impacts on waste isolation of the data acquisition phase of UE-25 UZ#16
(VSP#2). The analyses are not complete due to the recent addition of
alternate geophone emplacement configurations. This draft represents the
current state of the evaluation.

We conclude that the data acquisition phase of UZ#16 is not likely to have a
significant adverse impact on waste isolation for the conceptual repository or
potential repository expansion areas if the following actions are taken: 1)
seal the inside of the support tube before the hole is abandoned;
2) investigate alternative grouts; and 3) maintain a standoff distance of 50 ft
between boreholes and mobile sources during vertical seismic profiling.

Although not complete, this work was performed under Management and
Operating Contractor QAP-3-5 "Development of Technical Documents."
The final Quality Affecting evaluation will be forwarded upon completion.

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If you have any questions, please contact Carl Bruch at 702-794-1856 or
Albin Brandstetter at 702-794-7279.

Sincerely,

*J. L. Foust for
L. Dale Foust*

L. Dale Foust, Manager, Nevada Site
Technical Project Officer
Management and Operating Contractor

Enclosure: Waste Isolation Evaluation of the Data Acquisition Phase of
UE-25 UZ#16 (VSP#2)

Mike Shelf

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