

MAR 16 1988

NOTE TO: Phil Justus, HLTR  
FROM: Joe Holonich, HLOB  
SUBJECT: STAFF VISIT TO THE USGS TO EXAMINE SEISMIC REFLECTION DATA

In your note dated March 3, 1988, you proposed a plan to visit the U. S. Geological Survey (USGS) in either Menlo Park, California or Golden, Colorado. The purpose of the visit would be for the staff to gain an understanding of the USGS seismic reflection program. Based on discussions within the Operations Branch (HLOB) and with the geophysicist, Buck Ibrahim, such a visit would be worthwhile to the staff. However, Buck and I have discussed the proposal and have agreed that the trip would be more beneficial after the USGS has completed processing the seismic reflections data. Therefore, it is anticipated that the trip would not be until sometime in the next fiscal quarter (April-June). Mr. Paul Prestholt, the NRC onsite representative will be able to determine for us when the processing is complete. As part of the visit at least one project manager will attend from HLOB.

Attached is your proposed plan. I suggest that we eliminate items 3, 4, and 5 of item 3 since these are audit type activities. Once we have finalized a date for the trip, I will provide an agenda to the Department of Energy.

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Joe Holonich, HLOB

Enclosure: As stated

cc: K. Stablein  
B. Ibrahim  
P. Prestholt



PLAN FOR A VISIT TO USGS TO EXAMINE RECENTLY  
ACQUIRED SEISMIC REFLECTION DATA FOR YUCCA MT  
SITE CHARACTERIZATION

1. Objective:

For NRC staff reviewer to develop an understanding of the USGS seismic reflection test survey and how the test results will be used in planing the long reflection survey proposed for Yucca Mt.

2. Background:

During the month of January 1988 the USGS conducted a seismic reflection test survey in the vicinity of Yucca Mountain. The purpose of the test was to examine if good quality seismic reflection data can be acquired at the Yucca Mountain. Based on the outcome of this test, a long reflection survey will be conducted if useful information is obtained from the test.

3. Approach and Activities:

Conduct visit to USGS/Contractor offices where staff involved in planning, implementing, data processing and interpretation are located. The Visit will focus on :

1. A brief USGS overview presentation of the survey *and data processing*
2. Informal discussion about the seismic reflection test
3. Examination of the seismic raw/processed sections
4. Discussion of the different procedures used in processing the data
5. Discussion of the final outcome of the test
6. Discussion of future seismic reflection surveys and other supportive geophysical survey

*Check  
type activities*



#### 4. Organization and Responsibilities:

Technical Reviewer: conduct review in area of expertise

Technical Assistance Contractor: assist reviewer in conducting review of seismic data

#### 5. Schedule/Location:

Preparation period 2 staff days

USGS visit Menlo Park and/or Denver, Co. 3-4 staff days  
(including travel)

Follow-up period 2 staff days

#### 6. Resource Estimates:

##### Technical Reviewer

Preparation 2 staff days

On-Site visit 3-4 staff days (ind. travel)

Follow-up 2 staff days

##### Contractor

Seismic reflection expert 6 days (includes trip report)

#### 7. Products:

~~Meeting Summary~~

Trip Report

→ Project Manager

Preparation 2 staff days

On-Site Visit 3-4 Staff days

Trip Report 2 Staff days

~~QA Review 2 Staff~~

~~Prep 3-4 Staff~~



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HLOB/J. Holonich



03/15/88

HLOB/J. Linehan

03/16/88