

YUCCA FEB TRIP

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DEC 8 1986

MEMORANDUM FOR: King Stablein, Program Manager
Repository Projects Branch
Division of Waste Management

THROUGH: John Trapp, Acting Section Leader
Geology/Geophysics Section
Geotechnical Branch
Division of Waste Management

FROM: Charlotte Abrams, Geologist
Geology/Geophysics Section
Geotechnical Branch
Division of Waste Management

SUBJECT: YUCCA MOUNTAIN SITE FIELD TRIP

The understanding of the influence of geology on waste isolation at the proposed HLW site is dependent upon field observations of geologic features (i.e., structures, rock types and variability, geomorphic characteristics, etc.). To aid in the understanding of the geology of the proposed HLW site I would like to propose a field trip by GT staff prior to SCP review. Participants representing the NRC should include: C. Abrams, K. McConnell, M. Blackford, B. Ibrahim, J. Trapp, J. Bradbury, P. Bemba, W. Ford, K. Stablein, L. McKague, and C. Purcell. The participation of State and NNWSI personnel is also anticipated.

The following is a list of geologic features and/or locations which are now or may become important topics with respect to siting a HLW repository at Yucca Mountain. Beside each geologic point of interest is listed the USGS, NRC, or State representatives suggested as important for descriptions and explanations.

Busted Butte - faults, calcite deposits, sand ramps, and Stage Coach fault at southern end.

Robert Scott, USGS
Emily Taylor, USGS
John Stuckless, USGS

Windy Wash fault and trenches CF2, 2a, and 3

John Whitney, USGS
Charles Purcell, LLNL

Trenches 14 and 14a

Emily Taylor, USGS
John Stuckless, USGS

Sever Wash faulting

Robert Scott, USGS

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Bare Mountain fault	Marith Reheis, USGS
Rock Valley fault zone extension	Marith Reheis, USGS
Mine Mountain fault zone (Jackass Flats)	Florian Maldonado, USGS
Solitario Canyon fault and southern extension	Charles Purcell, LLNL John Bell, State of NV
Bullfrog Hills, evidence for detachment fault	Florian Maldonado, USGS Robert Scott, USGS
Calico Hills, evidence for detachment fault	Brad Meyers, USGS Robert Scott, USGS
Sterling Mine, west side of Crater Flats	Marith Reheis, USGS
Mines in Tonopah area	
Ghost Dance fault	Robert Scott, USGS
Tocopah Springs	
Lathrop Wells cone	Robert Scott, USGS
Beatty fault	Marith Reheis, USGS
Wahmonie Springs	
Gilbert Gold District	
Cedar Mountain fault	

A time slot of one week within the month of February, 1987, is suggested for the field trip. This date will allow ample time prior to receipt of the SCP for additional reading and follow up to the field trip. In addition, weather is better than that of January and few professional meetings occur in February, therefore avoiding potential conflicts for field trip participants.

If the SCP preparation schedule does not allow USGS participation, the trip should still be given priority as all geologic features and points of interest

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can be visited and examined by NRC personnel with leadership by L. McKague (LLNL), who is familiar with the regional geology, and C. Purcell (LLNL) and John Bell (State of Nevada), who have done recent work in the area.

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Charlotte Abrams, Geologist
Geology/Geophysics Section
Geotechnical Branch
Division of Waste Management

cc: P. Prestholt

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MEMORANDUM FOR: King Stablein, Program Manager
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Division of Waste Management

FROM: Charlotte Abrams, Geologist
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Division of Waste Management

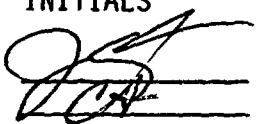
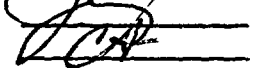
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DATE: 86/12/03

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CONCURRENCES

ORGANIZATION/CONCUREE	INITIALS	DATE CONCURRED
JStrapp		86/12/03
CAbrams		86/12/03

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By B.L.C.
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