



Department of Energy

Richland Operations Office
P.O. Box 550
Richland, Washington 99352

OCT 5 1984

Dr. Robert J. Wright
Repository Projects Branch
Division of Waste Management
U.S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Dr. Wright:

UPCOMING NRC-BWIP FIELD TRIPS

With regard to our discussions of September 12, 1984, and your letter of September 27, 1984, we are enclosing a preliminary schedule for the NRC-BWIP field trips of October 22-26, 1984. Rockwell Hanford Operations and the Department of Energy Project Office will provide transportation for these trips.

The trips to Rattlesnake Mountain, Snively Basin, Yakima Ridge, and Vantage will be led by the Rockwell geologists who have done the mapping in these areas. Rockwell personnel will not lead the discussion in the Columbia Hills, Hite Fault, and Finley Quarry areas, where BWIP has yet to do field work. Mr. William Kiel of Washington Public Power Supply System (WPPSS) will lead the trips to the Hite Fault and Finley Quarry.

As indicated in the enclosed schedule, copies of completed geologic maps will be handed out for each trip. Rockwell field maps in progress will be available for examination during the trips to Rattlesnake Mountain, Snively Basin, and Vantage. Due to their preliminary and unreviewed status, these working maps will not be available as handouts.

We hope that the NRC-BWIP trips will be instructive to both parties and will make a significant contribution to the BWIP program.

Very truly yours,

O. L. Olson, Project Manager
Basalt Waste Isolation Project Office

BWI:BWH

Enclosure

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PDR WASTE PDR
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WM Record File

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WM Project

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Docket No.

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TENTATIVE FIELD TRIP SCHEDULE

October 22 -26, 1984

Monday, October 22 - Rattlesnake Mountain/Snively Basin/Yakima Ridge

General overview of Geology of Pasco Basin from atop Rattlesnake Mountain.

Drive through Snively Basin and stop at Snively Ranch to discuss status of mapping.

Drive to Yakima Ridge. Observe tear fault and high angle reverse fault. Look at fault breccia and Rattlesnake Ridge, Selah and Cold Creek interbeds. Discuss status of mapping.

Hand out-

RHO-BWI-ST-4 maps

Sketch map of south flank of Yakima Ridge

Working map of of these areas will be available for field inspection.

Tuesday, October 23 - Vantage Area

Overview of the geology of the Vantage Analog Study Area.

Observe tectonic features and their relationship to major structures, including Rye Grass Mountain Anticline, northwest trending thrust fault and Schnebly fault zone. Examples of flowtop breccia, tectonic breccia, Vantage interbed, and pillow palagonite complexes with magnificently preserved petrified wood.

Hand out - SD-BWI-ER-005, "Status Report on the Tectonic Fracture and Breccia Study in the Vantage Area"

Working geologic map available for field inspection.

Wednesday, October 24 - Columbia Hills

Staff has not worked in this field locality. A reconnaissance trip to the Rock Creek locality is planned.

Hand out - USGS Open-file map 79-1363

Thursday, October 25 - Hite Fault

The staff will be assisted by Mr. William Kiel, Washington Public Power Supply System (WPPSS), who will lead this portion of the field trip. No mapping has been completed by BWIP staff. Field checking of U.S. Geologic Survey (USGS) and Corps of Engineers mapping has not been field checked by BWIP staff.

Hand out - USGS Map I - 1139
US Corps of Engineer Tectonic Map
Shannon & Wilson, 1979 map

Friday, October 26 - Finley Quarry

Mr. Kiel will also assist at this location. The BWIP staff has not worked in this area since 1978.

Hand out - RHO-BWI-ST-4 map

Optional locality - White Bluffs to observe Ringold stratigraphic section at that locality.