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- 1 -

MEMORANDUM FOR: Philip S. Justus, Section Leader
Geology-Geophysics Section
Geotechnical Branch
Division of Waste Management

FROM: Kristin B. Westbrook, Project Manager
Geology-Geophysics Section
Geotechnical Branch
Division of Waste Management

SUBJECT: DOE/NRC STATUS WORKSHOP ON BWIP GEOLOGY, MARCH 13-15,
1984 AND FIELD TRIP OF MARCH 15-16, 1984

Reference is made to the workshop report by Warren Rehfeldt, of the Repository Projects Branch, dated March 22, 1984, for a summary of the workshop held March 13-15, 1984. Warren Rehfeldt's memo (dated March 22, 1984) had the summary meeting notes, the objectives, and the agenda.

My memo documents a brief field visit in the Richland, Washington area. The field visit was not an agenda item and so was not planned.

I went with R. A. Whitney of LLNL, Warren Rehfeldt of NRC, and Mike Thompson of DOE. R. A. Whitney was authorized to be paid for his time and an official trip report has been received under contract NRC FIN No. A-0294.

There was discussion about the BWIP area possibly representing some kind of an unusual recent thrust belt system. Thrust faulting close up or regionally in the vicinity of the repository is dangerous.

Based on the DOE's release of information (dated 1979) to NRC West of the RRL, the structural cross sections might not be adequate for scientists to make conclusive interpretations. The thrusts shown on RHO-BWI¹ST¹4, Plate III-5, Sheet 1 of 2, line A-A' are not drawn as inferred faults on cross section line A-A'. Line A-A' thrust faults are about 14 miles from the waste repository. No cross sections west of A-A' have been submitted to NRC.

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The line shown in cross-section A-A' is shown as straight in the offset box on RHO-BWI-ST-4, Plate III-5, Sheet 1 of 2 but the geologic units which match the cross section on the map, RHO-BWI-ST-4, Sheet 4 of 12 are not straight. DOE has not given NRC any new information on this area since 1979. We need more geologic maps and structural cross sections further west of the RRL than line A-A'.

51

Kristin B. Westbrook, Project Manager
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Enclosure:

- 1. R. Galster, COE, Meeting Report
- 2. R. A. Whitney, Field Trip Report

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(Excerpt from RHD 3MI-ST-4
Plate III-5. sheet 1 of 2
Line A-A'

DETAIL IN THIS AREA IS FROM MAPPING DONE
IN ADDITION TO THAT SHOWN IN 1:62500
GEOLOGIC MAP OF THE PASCO BASIN

