

MAY 13 1988

MEMORANDUM FOR: John Linehan, Section Leader
Project Section, HLOB

FROM: Don Chery, Section Leader
Hydrology Section, HLTR

SUBJECT: USGS REVIEW OF CDSCP

As requested in King Stablein's note of May 6, 1988, we have done a cursory reading of the comments on the CDSCP by the USGS. The USGS comments are consistent with CDSCP comments and questions developed by the Hydrology Section.

From the USGS cover letter and Geologic Division introduction, we see that 19 scientists from the Geologic Division and 10 scientists from the Water Resources Division spent 6 weeks reviewing the CDSCP. This effort compares with about 1.5 Hydrology staff (augmented by consultant support) reviewing the CDSCP for 5 weeks. The USGS reviewers focused some review effort on CDSCP Chapter 1-7, whereas NRC made no focused review of these chapters. The USGS reviewers also discussed the present status of knowledge about the site, referencing reports (data) not yet in the NRC possession. The USGS review goes beyond scrutinizing the CDSCP with respect to investigation level plans (as was the constraint of the NRC review) resulting in many very good and useful comments at the individual study plan level.

The USGS comments support the Hydrology Section comments by providing complementary hypotheses and questions about the hydrologic system and groundwater flow system, prototype testing, and program integration to be considered when we review the study plans. One example outlines the potential impact of nitrogen gas injection testing on in situ isotope sampling (gaseous phase) and is an illustration of test interference effects not considered in the CDSCP. We will be organizing the USGS comments (in our areas of responsibility) for our consideration during the SCP review.

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Don Chery, Section Leader
Hydrology Section, HLTR

cc: R. Ballard, HLTR
B. Youngblood, HLOB
K. Stablein, HLOB

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