

AUG 19 1983

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MEMORANDUM FOR: Malcolm Knapp, Section Leader
High-Level Waste Licensing
Management Branch
Division of Waste Management

FROM: Philip S. Justus, Section Leader
High-Level Waste Technical
Development Branch
Siting Section
Division of Waste Management

SUBJECT: COORDINATION OF GEOCHEMISTRY AND WASTE PACKAGE
ACTIVITIES

I acknowledge that as of August 2nd you are responsible for Waste Package activities. The Geochemistry Group is responsible for evaluating the effects of repository conditions on earthen materials and for the assessment of radionuclide transport (and retardation) to the accessible environment. Further, the Geochemistry Group will need to provide to the Waste Package Group an accurate representation of the environmental parameters that are expected to envelop the waste package through time at a site. The Waste Package Group will need to provide to the Geochemistry Group the source-term chemistry that will perturb the geochemical environment. Thus, the geochemistry group is responsible for determining the significance of (geo)chemical interactions in earth/rock materials up to the surface of the canister (waste package). The Geochemistry Group and the Waste Package Group need to coordinate very closely on a variety of concerns and I propose that we meet to discuss the interfacing of the groups as soon as possible.

A brief discussion of waste package and geochemistry contracts and associated areas of interfacing is attached for your consideration. Several recently placed waste package contracts must be closely coordinated with geochemistry technical assistance work to avoid unnecessary duplication of effort (see attachment, page 2). Dave Brooks

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has proposed a simple means to conduct an in-house "interface review" (see attachment, page 3) that could be effective in facilitating coordination. I propose that we meet and discuss the interfacing of the groups as soon as possible. The definitions and recommendations in the attachment should be a useful starting point for the discussions.

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Philip S. Justus, Section Leader
High-Level Waste Technical
Development Branch
Siting Section
Division of Waste Management

Attachment:

Memo from D. Brooks to P. S. Justus, (dated 08/02/83)

Encl: See Memo to Justus for Brooks 8/2/83

OFC	: WMHT	: WMHT	:	:	:	:	:
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