

SEP 18 1992

MEMORANDUM FOR: John Randall, Leader
Waste Management Performance Section
Waste Management Branch
Division of Regulatory Applications, RES

FROM: David Brooks, Section Leader
Hydrologic Transport Section
Hydrology and Systems Performance Branch
Division of High-Level Waste Management, NMSS

SUBJECT: NRC/USGS RESEARCH WORKSHOP

In order to provide feedback to you about the proposed workshop, we have reviewed information about the National Research Program (NRP) of the Water Resources Division, U.S. Geological Survey. Specifically, we examined USGS Open-File Report 92-38, which gives research project summaries for the Water Resources Division during FY91.

According to Tom Nicholson, the research workshop will focus on issues that are pertinent to NRC's low-level nuclear waste program. We have examined the research summaries to identify USGS researchers who are doing work that is also relevant to the high-level waste program. Investigators and projects that we found to be of particular interest are listed below:

PROJECT CHIEF	PROJECT NUMBER	TITLE
Ronald V. James	WR 68-036	Factors Determining Solute Transfer in the Unsaturated Zone
Edwin P. Weeks	CR 69-200	Field Applications of Unsaturated Zone Flow Theory
Charles E. Brown	NR 84-130	Multivariate Statistical Techniques for Assessing Regional Groundwater Quality and Quantity
David Stonestrom	WR 63-024	Applications of the Unsaturated Flow Theory to the Phenomena of Infiltration and Drainage
Jacob Rubin	WR 82-180	Theories of Water Flow and of Solute Transport in the Unsaturated Zone
Paul A. Hsieh	WR 83-184	Hydrology of Fractured Rocks

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John R. Nimmo

WR 89-198

Physical Characteristics that
Determine Flow in the
Unsaturated Zone

Larry V. Benson

CR 82-207

Arid Regions Climate and
Chemistry

Please consider the above list of relevant projects when you conduct the planning meeting for this workshop. We would be happy to send a representative to that planning meeting, currently scheduled for October 8th. Please contact Neil Coleman at 504-2530 regarding the planning meeting and the upcoming research workshop.

15/

David Brooks, Section Leader
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