



UNITED STATES
NUCLEAR REGULATORY COMMISSION
 WASHINGTON, D.C. 20555-0001

October 7, 1994

Mr. Ronald A. Milner, Acting Director
 Office of Program Management and Integration
 Office of Civilian Radioactive Waste Management
 U.S. Department of Energy, RW 30
 1000 Independence Avenue
 Washington, D.C. 20585

SUBJECT: 1995 EVANS WORKSHOP INVITATIONAL SPEAKERS

Dear Mr. Milner:

On January 31, 1995 - February 4, 1995, the University of Arizona will host the 1995 Evans Workshop on characterization methods and analyses for flow and transport in unsaturated, fractured rock. A field trip to the Apache Leap Tuff site (ALTS) with supporting discussions and demonstrations is also scheduled. This workshop, jointly sponsored by the U.S. Nuclear Regulatory Commission's Office of Nuclear Regulatory Research, University of Arizona's Department of Hydrology and Water Resources, and Center for Nuclear Waste Regulatory Analyses (CNWRA) is the seventh in a series since 1982. It is intended to bring together NRC staff and its contractors, and interested staff from the U.S. Department of Energy (DOE) (and its contractors including the U.S. Geological Survey and those participating national laboratories) to discuss and exchange the results of on-going research related to unsaturated flow and transport in fractured rock. Participation in the workshop is by invitation only. However, because the discussions may have application to a potential geologic repository at Yucca Mountain, the State of Nevada, Nye County, Nevada, and other Affected-Units-of-Local-Government are invited to attend.

The purpose of this letter is to identify potential workshop participants recommended by the workshop's organizing committee (see Enclosure). As indicated by the enclosure, the list of participants includes several DOE contractors. These and other potential workshop participants will be contacted shortly by the University of Arizona in order to ascertain whether they can participate in the forthcoming workshop. If you also plan on having DOE attendees, please provide their names to us by October 28, 1994.

110081

9410140035 941007
 PDR WASTE
 WM-11 PDR

102.2
 WM-11
 NH16

Mr. Ronald A. Milner

2

If you have any questions or request additional information about the Evans VII Workshop, please contact Mr. Thomas J. Nicholson at 301/415-6268.

Sincerely,

/s/

Joseph J. Holonich, Chief
High-Level Waste and Uranium
Recovery Projects Branch
Division of Waste Management
Office of Nuclear Material
Safety and Safeguards

Enclosure: As stated

cc: See Attached List

DISTRIBUTION:

Central File	DWM r/f	MBell	JSurmeier	NMSS r/f
On-Site Reps	CNWRA	ACNW	Yucca Mtn PM	WFord
PDR/LPDR/LSS	Wott	NCostanzi	MFederline	

S:\DWM\HLUR\IMPLAEVANS.DOE

OFC	HLUR	E	RES	E	HLUR	HLUR		
NAME	MLee <i>MP</i>		TNicholson		RJohnson <i>AS</i>	JHolonich		
DATE	10/06/94		10/06/94		10/7/94	10/7/94		

OFFICIAL RECORD COPY

**1995 EVANS WORKSHOP INVITATIONAL SPEAKERS:
PROPOSED LIST**

Topic 1 -- Methods of characterizing flow in fractured rock.

J. Conca, Washington State University - Tri-Cities; E. Kwickless, USGS; J. Rousseau, USGS; P. Hsieh, USGS; R. Green, CNWRA; and S. Mohanty, CNWRA.

Topic 2 -- What borehole geophysical tools or tomographic methods can be used to identify fractures in unsaturated rock from air-filled rather than water-filled boreholes ?

F. Paillet, USGS and L. Myers, Lawrence Berkeley Laboratory.

Topic 3 -- Is there any reliable relationship between air permeability obtained from core or borehole pneumatic tests and hydraulic conductivity ?

A. Guzman, University of Arizona and G. LeCain, USGS.

Topic 4 -- How do we estimate, measure, or detect infiltration in arid environments ?

M. Sulley, Reynolds Electrical & Engineering Co.; L. Flint, USGS Hydrologic Research Facility (Mercury); S. Stotholf, CNWRA; R. Bagtzoglou, CNWRA; S. Tyler, Desert Research Institute, U. of Nevada; and B. Scanlon, TBEG, U. of Texas at Austin.

Topic 5 -- The perched zone phenomena in tuff.

R. Bassett, U. of Arizona; J. Stuckless, USGS; J. Fabryka-Martin, Los Alamos National Laboratory; J. Czarnecki, USGS; and J. Quade, Dept. of Earth Sciences, U. of Arizona.

Topic 6 -- What are the most critical data currently needed to conduct meaningful simulations of flow and transport in fractured unsaturated rock ?

G. Wittmeyer, CNWRA; G. Bodvarsson, LBL; S. Neuman, U. of Arizona; K. Pruess, LBL; and C-F. Tsang, LBL.

CC list for Milner letter dated: OCT 07 1998

R. Loux, State of Nevada
T.J. Hickey, Nevada Legislative Committee
J. Meder, Nevada Legislative Counsel Bureau
R. Nelson, YMPO
C. Einberg, DOE/Wash, DC
M. Murphy, Nye County, NV
M. Baughman, Lincoln County, NV
D. Bechtel, Clark County, NV
D. Weigel, GAO
P. Niedzielski-Eichner, Nye County, NV
B. Mettam, Inyo County, CA
V. Poe, Mineral County, NV
F. Mariani, White Pine County, NV
R. Williams, Lander County, NV
L. Fiorenzi, Eureka County, NV
J. Hoffman, Esmeralda County, NV
C. Schank, Churchill County, NV
L. Bradshaw, Nye County, NV
W. Barnard, NWTRB
R. Holden, NCAI
E. Lowery, NIEC
S. Broccum, YMPO
R.L. Bassett, Univ. of Arizona

Mr. Ronald A. Milner

2

If you have any questions or request additional information about the Evans VII Workshop, please contact Mr. Thomas J. Nicholson at 301/415-6268.

Sincerely,

/s/

Joseph J. Holonich, Chief
High-Level Waste and Uranium
Recovery Projects Branch
Division of Waste Management
Office of Nuclear Material
Safety and Safeguards

Enclosure: As stated

cc: See Attached List

DISTRIBUTION:

Central File
On-Site Reps
PDR/LPDR/LSS

DWM r/f
CNWRA
Wott

MBell
ACNW
NCostanzi

JSurmeier
Yucca Mtn PM
MFederline

NMSS r/f
WFord

S:\DWM\HLUR\MPL\EVANS.DOE

OFC	HLUR	E	RES	E	HLUR	HLUR		
NAME	MLee <i>ML</i>		TNicholson		RJohnson <i>RS</i>	JHolonich		
DATE	10/06/94		10/6/94		10/7/94	10/7/94		

OFFICIAL RECORD COPY

Mr. Ronald A. Milner

3

CC list for Milner letter dated: OCT 07 1994

R. Loux, State of Nevada
T.J. Hickey, Nevada Legislative Committee
J. Meder, Nevada Legislative Counsel Bureau
R. Nelson, YMPO
C. Einberg, DOE/Wash, DC
M. Murphy, Nye County, NV
M. Baughman, Lincoln County, NV
D. Bechtel, Clark County, NV
D. Weigel, GAO
P. Niedzielski-Eichner, Nye County, NV
B. Mettam, Inyo County, CA
V. Poe, Mineral County, NV
F. Mariani, White Pine County, NV
R. Williams, Lander County, NV
L. Fiorenzi, Eureka County, NV
J. Hoffman, Esmeralda County, NV
C. Schank, Churchill County, NV
L. Bradshaw, Nye County, NV
W. Barnard, NWTRB
R. Holden, NCAI
E. Lowery, NIEC
S. Broccum, YMPO
R.L. Bassett, Univ. of Arizona