



DEPARTMENT OF THE ARMY

U.S. Army Corps of Engineers
WASHINGTON, D.C. 20314-1000

REPLY TO
ATTENTION OF:

S: 27 Oct 00

CECW-E/CERD-ZA

16 OCT 2000

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Workshop on Seismic Evaluation and Rehabilitation of Civil Works Infrastructure

1. A Corps of Engineers sponsored workshop on Seismic Evaluation and Rehabilitation of Civil Works Infrastructure (SERCI) is scheduled for 14-16 Nov 00 at the Red Lion Inn, Arden Way, Sacramento, California. The purpose of this workshop is to (a) share districts' experiences on evaluation and rehabilitation of embankment and concrete dams and their appurtenant structures, (b) share the results of the on-going Earthquake Engineering Research Program, and (c) identify field needs for SERCI. Results of this workshop will be used to define and prioritize a new Research and Development (R&D) effort to develop innovative and economical rehabilitation alternatives for seismically deficient dams and reservoir control structures. This three-day workshop will consist of technical presentations followed by breakout sessions for identifying R&D needs. In conjunction with this workshop, an Earthquake Ground Motion Analysis System demonstration and training session will be offered on 13 Nov 00. The preliminary agenda is enclosed.
2. You are strongly encouraged to send representatives from your division and districts to participate in this workshop. Your Structural Engineers, Geotechnical Engineers, Geologists, and construction team members will benefit from this workshop. Request that you provide the names of participants from your division and districts via e-mail to Mr. Bruce Riley of Headquarters, U.S. Army Corps of Engineers (HQUSACE) no later than 27 Oct 00.
3. The points of contact at HQUSACE are Mr. Bruce Riley, 202-761-8597, and Dr. Tony C. Liu, 202-761-0222.

FOR THE COMMANDER:

DWIGHT A. BERANEK, P.E.
Chief, Engineering and Construction Division
Office of Deputy Commanding General
for Civil Works

LEWIS E. LINK, JR.
Deputy Chief of Staff for
Research and Development

Encl
as

CECW-E/CERD-ZA

SUBJECT: Workshop on Seismic Evaluation and Rehabilitation of Civil Works Infrastructure

DISTRIBUTION:

Commander, Great Lakes and Ohio River Division, ATTN: CELRD-ET
Commander, Mississippi Valley Division, ATTN: CEMVD-ET
Commander, North Atlantic Division, ATTN: CENAD-ET
Commander, Northwestern Division, ATTN: CENWD-ET
Commander, Pacific Ocean Division, ATTN: CEPOD-ET
Commander, South Atlantic Division, ATTN: CESAD-ET
Commander, South Pacific Division, ATTN: CESP-ET
Commander, Southwestern Division, ATTN: CESWD-ET
Commander, Engineer Research and Development Center, ATTN: CEERD-ZA
Commander, Great Lakes and Ohio River Division,
Great Lakes Regional Headquarters, ATTN: CELRD-GL-ET
Commander, Great Lakes and Ohio River Division,
Ohio River Regional Headquarters, ATTN: CELRD-OR-ET
Commander, Northwestern Division,
Columbia River Regional Headquarters, ATTN: CENWD-ET
Commander, Northwestern Division,
Missouri River Regional Headquarters, ATTN: CENWD-ET

USAE CW R&D Program Workshop:
 Seismic Rehabilitation of Hydraulic Infrastructure
 Red Lion Inn, Arden Way, Sacramento CA, 13-16 Nov 00
AGENDA

Purpose: Identify Corps "Future Operational Capabilities" needed for remediation of the Corps' hydraulic infrastructure with seismic safety deficiencies – emphasis is on reservoir dams

13 Nov 00

1400-1600	Earthquake Ground Motion Analysis System Training Sacramento District Office	Don Yule
1400-1600	EQEN poster sessions and demonstrations Red Lion Inn, Arden Way	Principal Investigators

14 Nov 00

0800-0810	Open Program, Master of Ceremonies	TBD
0810-0820	Welcome, Sacramento District Deputy Commander	LTC Robert O'Brien
0820-0830	Opening Remarks, Deputy Chief, Engineering and Construction Division, DCSCW	Don Dressler
0830-0840	Overview, Deputy Chief of Staff for Research and Development perspective	Tony Liu
0840-0940	Keynote Speaker: Dr. Ross Boulanger , Univ. CA Davis "Geotechnical Aspects of Seismic Safety Evaluation and Remediation of Dams" (Recorder – Dr. Mike Sharp)	
0940-1000	<i>Break</i>	
1000-1100	Keynote Speaker: Dr. Yousef Ghanaat , QUEST Structures Structural Aspects of Seismic Safety Evaluation and Remediation of Dams" (Recorder - Dr. Mustafiz Chowdhury)	
1100-1200	<i>Lunch</i>	
1200-1220	EQEN Field Review Group Overview	Wayne Forrest
1220-1330	EQEN Program Accomplishments (Recorder – Don Yule)	M. E. Hynes
1330-1420	EQEN Program Accomplishments (Recorder – Richard Dove)	Robert Hall
1420-1430	<i>Short Break</i>	
1430-1450	Success Dam Foundation	M. Allen
1450-1510	Sardis Dam, design of pile remediation	Robert Hall
1510-1530	Enid & Arkabutla Dams	Sam Stacy
1530-1550	Seven Oaks Intake Tower	(being negotiated)
1550-1600	<i>Short Break</i>	
1600-1620	Clemson Dam Deep Soil Mixing	Ben Foreman
1620-1640	Olmsted Locks and Dam	Jeffrey Bayers
1640	Recess for the day	

USAE CW R&D Program Workshop: Seismic Rehabilitation of Hydraulic Infrastructure

15 Nov 00

0800-0810 Reopen plenary session Bruce Riley
 0810-0910 **Keynote Speaker: Dr. I. M. Idriss**, Univ. CA Davis
 "Perspective for the Future - Seismic Safety Evaluation and
 Remediation of Dams" (Recorder – Dr. Rick Olsen)
 0910-0920 Explanation of FOC's and assignment to groups Tony Liu
 0920-0940 *Break*
 0940-1100 Brainstorming Breakout Sessions to Identify FOC's
 1100-1200 *Lunch*
 1200-1600 Brainstorming Breakout Sessions to Identify FOC's
 1600-1700 Session Chairs prepare group report

<i>Brainstorming Breakout Session Topic</i>	<i>Chair</i>	<i>Facilitator</i>	<i>Recorder</i>
⇒ Rehab of Appurt. Struc.&Locks	Chudgar	Muller	Dove
⇒ Rehab of Concrete Dams	Poeppelman	Redeen	DeBejar
⇒ Rehab of Emb. Dams and Foundations	Forrest	TBD	Sharp
⇒ Foundation - Structure Interaction	Allen	Hempen	Olsen

16 Nov 00

0800-0810 Reopen plenary session Bruce Riley
 0810-0830 ⇒ Rehab of Appurtenant Structures and Locks FOC's Anjana Chudgar
 0830-0850 ⇒ Rehab of Concrete Dams FOC's Rick Poeppelman
 0850-0910 ⇒ Rehab of Embankment Dams and Foundations FOC's Wayne Forrest
 0910-0930 ⇒ Foundation - Structure Interaction FOC's Matt Allen
 0930-1000 Discussion, summary and closure Don Dressler
 1000 Adjourn