Meeting Notice

Wednesday, May 27, 2009

Society of American Military Engineers – Minneapolis-Saint Paul Post
&
Minnesota Association of Floodplain Managers
present

Corps of Engineers Vertical Datums Discussion

MR. MARK HUBER, P.E.
Department of the Army
U.S. Army Engineer District, New Orleans

Date: Wednesday, May 27, 2009

Location: 934th Airlift Wing (Fort Snelling) Officer's Club,
Post Road exit off State Highway 5 near MSP Airport, see map.

Time: 11:00 AM to 1:30 PM — 2-hr Overview Presentation, Lunch will be from 1200-1230. 2.0-PDH will be available for continuing education requirements.

Cost: $15.00 which includes lunch.

Reservations: Required. It is expected that this presentation will draw a sizable crowd. To ensure that adequate seating is set-up, enough food prepared, and the PDH certificates are made … please RSVP by COB Thursday, May 21, 2009 to Jim Mosner at james.b.mosner@usace.army.mil or 651-290-5512.

Presentation: **Vertical Datums Discussion**

"We have a professional and ethical obligation to periodically reassess our projects to ensure that they are correctly designed, constructed, and maintained on the proper vertical datums to compensate for subsidence/sea level rise in order to provide appropriate flood and hurricane protection and navigation depths. – Lt Gen Carl A. Strock, Dec, 2006"

The U.S. Army Corps of Engineers (USACE), Mr. Mark Huber will discuss findings of errors of one to three feet in some of the elevations used in design, construction, maintenance, and evaluation of hurricane and flood control structures in New Orleans highlighted the need to ensure that our flood control and navigation projects across the country are referenced to the proper vertical datums to correctly compensate for subsidence/sea level rise. Furthermore he will discuss the confirmation of these vertical datums are adequately referenced to nationwide spatial reference systems used by other Federal and local agencies responsible for flood forecasting, hurricane surge and inundation modeling, navigation, flood insurance rate maps, hurricane evacuation route planning, coastal boundary delineation, bathymetric mapping, and topographic mapping.

Presenter: **Mr. Mark Huber, Department of the Army, U.S. Army Engineer District, New Orleans** works for the Engineering Research and Development Center, Topographic Engineering Center, and is currently responsible for providing district support, and the development and execution of training sessions related to geodesy; more specifically, vertical datums and how they support our civil works projects. Mark began his career with the Corps in 1987 as an Engineering Technician providing in-house and contracted field and office surveying support for that district's surveying and mapping activities. Also In support of the Army's mapping mission, Mark has conducted numerous GPS surveys here in the United States and abroad. Prior to joining the Corps, from 1975 to 1987, Mark worked served as a navigator performing offshore oil exploration and as the lead surveyor on several dredging contracts.

Map to Meeting Location: