



US Army Corps
of Engineers®

HEADQUARTERS

ENGINEERING & CONSTRUCTION NEWS

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JUNE-JULY 2002

JUNE-JULY'S THEME:

Design/Construction Awards Programs

DWIGHT'S NOTES

Congratulations to all the nominees and winners of the Chiefs Design, Environmental and Construction Awards! The quality of the people and the projects selected this year is first class. We should all be very proud of the message this sends to our peers, that being, that the Corps values high quality and knows how to do it. As you will read in the accompanying article, we may maximum use of the Internet in and peer review in this years awards programs. My personal thanks to Larry Delaney, Frank Norcross, Brad James and the many others that lead these important initiatives.

The brochure and plaques for the Chief of Engineers Design and Environmental Awards Program will be distributed in next month. Architect, Landscape Architect, Interior Designer, and Hard Hat of the Year, as well as the Construction Management in Excellence award will be presented at the Senior Leaders Conference in August.

In 2002, we have brought well deserved recognition to the role USACE designers, construction managers, and our professional partners bring to the USACE mission of providing design and construction excellence to the facilities and public works projects. This is an important expression of General Flowers' emphasis on People and Customers.

Congratulations are also due for Kansas City District on their obtaining ISO9001 certification. This certification represents a sustained effort to deliver quality products to our customers by following well-documented business processes that are being constantly improved. Kansas City's and other districts' experiences with ISO and APIC will be featured in the upcoming months as the Corps progresses in the General Flowers' quality management and learning organization focus for the upcoming fiscal year, the third year of his tour as Chief of Engineers.

HQUSACE has devoted considerable attention to Dam Safety and Value Engineering to reinvigorate these critical programs in the Corps. We'll need everyone's help restoring Dam Safety and VE to the place they belong in the eyes of our peers, at the top, best in class. More information on the specifics of these efforts will be forthcoming in the near future. Rest assured that the field offices are well represented in the dialogue, policies and guidance that are being formulated.

Essayons!
Dwight

(Editors' note: If you want to share your thoughts with our readers regarding Dwight's Notes send an email to the E&C News editor (charles.pearre@usace.army.mil). A synopsis of your comments will be published in the next issue.)

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Design/Construction Awards Programs

DESIGN AND CONSTRUCTION AWARDS PROGRAMS

We generally say the purpose of the USACE Design and Construction Awards Programs is to recognize excellence in the facilities designed and constructed by USACE. Although this is a neat definition, I hope you recognize that these programs do much more. Of course we wish to recognize design excellence produced by our staff and our professional partners, but we have additional objectives. We need to recognize our people both individually and as teams. We need to sell the importance of Design Excellence. If we wish to be honest with ourselves, we also need a database of demonstrated excellence in facilities for use in marketing USACE services to our potential customers.

This article addresses three programs: **Chief of Engineers Design and Environmental Awards Program**, **Design Team of the Year**, and **Architect, Landscape Architect, and Interior Designer of the Year**. Brad's article addresses **Hard Hat of the Year** and the **Construction Management in**

Excellence Award. The most exciting aspect of the three programs, with which I work, is that we **Web Enabled** them in 2002.

Web Enabled. In an effort to reduce the amount of work associated with this program HQUSACE we went to the Information Technology Laboratory (ITL) at Engineering Research and Development Center (ERDC), Vicksburg, Mississippi, (*formerly Waterways Experiment Station*) for web site development and brochure production this year. What I find most remarkable is that we first met with ITL on 12 June 2001. Since then ITL developed the *ceawards* web site, the *profawards* web site, worked out the bugs in both sites, helped submitters enter their information, supported the Design and Environmental Juries, announced the winners on the web sites, and is currently preparing the brochure and CDROM for distribution in July. (*I think this is a major accomplishment for less than one year!*) I want to thank everyone at ITL for putting so much into this program. Those who develop and administer the web site are Harold Smith, Milton Richardson, Buddy Fortner, and Elias Arredondo. Those supporting the brochure production are Randy Crist, Alan Middleton, Chandra "Pat" Miller, and Lee Byrne.

Chief of Engineers Design and Environmental Awards Program. I won't write about each project because you can review the winning submittals on the web site: <http://ceawards.wes.army.mil/>. Although the number of submittals was smaller this year, the diversity in the types of projects was greater than I have seen previously. Comments on the program this year were quite positive. Jurors were happy that they could review and rate submittals prior to meeting. It saved them time. Submitters commented that the web process leveled the playing field. Areas needing improvement are being fixed. Difficulties with the signature module were changed prior to the *profawards* web site release. We plan to have a better viewing module than DjVu next time. (*For those of you, who were worried, the juries selected winners using the TIF files not DjVu files.*) Thank you to everyone who submitted. Your files are still in the database. Both the Air Force and General Services Administration, who administers the Presidential Design Awards, are considering variations on our web site to use in running their programs.

Design Team of the Year. To encourage the professional development of its in-house design talent, submissions to the Chief of Engineers Design and Environmental Awards Program are used to select the USACE Design Team of the Year. This award is given to the design team of the in-house designed project that achieves the highest-level award in the Chief of Engineers Design and Environmental Awards Program. This year three in-house designed projects received Honor Awards in Environmental Design, permitting multiple awards. Districts and individuals will receive mounted certificates. The following projects and teams were winners:

• **Owasco Outlet East and West Pier Rehabilitation, Auburn, New York** - U.S. Army Engineer District, Buffalo

Team: Ronald J. Guido, Frank T. Lewandowski, Peter J. Kuszczak, Ronald R. Moll, Joseph Tyloch, William Butler, Paul Murawski, James Wryk, Robert Derrane, Michael Barton, John Acker, Paul Ehrensberger, Thomas Bender, David Marcus, and Julie Zielinski

• **Dry Bayou / Thompson Bend Riparian Corridor, Scott and Mississippi Counties, Missouri** - U.S. Army Engineer District, St Louis

Team: David R. Busse, Robert J. Rapp, Sharon Wolf, Dan Erickson, Lester Goodin, Leonard L. Hopkins, Lloyd M. Coakley, Melvin Baldus, and Stephen L. Redington

• **Seven Oaks Dam, Highland, California** - U.S. Army Engineer District, Los Angeles and U.S. Army Engineer District, Portland

Team: (Los Angeles) Robert H. Kwan, David W. Lukesh, Charles B. Rathbun, David P. Cozakos, William Halczak, and Susan A. Desaddi (Portland) Raymond R. Dewey

Architect, Landscape Architect and Interior Designer of the Year. On April 29, 2002, Principal Assistants for Military Programs and Civil Works (Mr. Brown and Mr. Caver) selected Architect Landscape Architect, and Interior Designer of the Year. This year district engineers nominated nine architects, two landscape architects and two interior designers. A jury consisting of the 2001 winners, Larry P. Delaney, AIA, Edward P. Racht, ASLA, and myself evaluated the nominations and recommended selections. Winners were selected based on their demonstrated excellence in design, mentoring fellow professionals, and for service to their professions and communities. The 2002 winners will be presented commemorative plaques at the 2002 Senior Leaders Conference, National Awards Dinner and Ceremony, scheduled for Tuesday, 6 August 2002, in Orlando, Florida. Winners are:

- Architect of the Year: **Brian A. Nohr, AIA**, Omaha District
- Landscape Architect of the Year: **Rhonda G. Brown, ASLA**, Galveston District
- Interior Designer of the Year: **Aleta S. Greenspan**, Mobile District

The winner's names, photographs, biographies, and nominations are posted on the USACE professional awards web site, <http://profawards.wes.army.mil>.

Your recommendations on program improvements are welcome. Please drop me an email. For those of you who are into history and situational awareness, previous winners of the Chief's program and Architect, Landscape Architect, and Interior Designer of the Year can also be accessed on their respective web sites.

POC: FRANK A. NROCROSS, AIA, IIDA, CECW-EI, 202-761-7113

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CONSTRUCTION MANAGEMENT IN EXCELLENCE AND HARD HAT OF THE YEAR AWARDS

Each year the MSC's and Centers nominate and select recipients for both of these USACE awards based on their outstanding contributions to Military and Civil Works construction and quality management (including environmental remediation) programs during the previous calendar year. This years awardees have all made significant contributions to the construction function and the overall Project Management Business Process. The awardees are:

MSC/Center	Construction Management in Excellence	Hard Hat of the Year
Mississippi Valley	Alan Frank Hunter	James (Jim) E. Farris
North Atlantic	Dharan C. (DC) Gupta	David Hockenberry
Southwestern	Michael Todd Smith	Joseph Lee Goodson
South Pacific	Gregory M. Schulz	DeWayne Jacobsen
Pacific Ocean	Olson T. Okada	Chin Su Pae
Huntsville Center	Ronald L. Wynne	Bill H. Boone
Lakes & Ohio River	Carl A. Platz	David A. Sieminski
Northwestern	James Renick	Francis E. Sill
South Atlantic	Vicky L. Stanley	John T. (Tommy) Gaskin

In addition to these awards two National Awards will be given to those awardees selected by an executive review panel from the list above. The winners for these awards are Gregory M. Schulz (CESPK) for the Construction Management in Excellence Award and DeWayne Jacobsen (CESPK) for the Hard Hat of the Year Award. These awards will be presented at the Senior Leaders Conference in Orlando, Florida on 6 August. We would like to congratulate all awardees for their exceptional service, performance and contributions to the Corps.

POC: BRADLEY JAMES, CECW-ET, 202-761-5541

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ISO9001 CERTIFICATION

The Kansas City District is proud to announce that we have received our ISO9001: 2000 Certificate of Registration. We have been working toward the goal of ISO9001 certification for some time and have now successfully made it through the audit process. We are registered in the areas of project management, planning, engineering and design. A copy of our certificate is available at our website: www.nwk.usace.army.mil.

POC: BILL ZANER, CENWK-EC, 816-983-3178

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Update

ENGINEERING & CONSTRUCTION EMBRACES USACE ENVIRONMENTAL OPERATING PRINCIPLES

LTG Robert B. Flowers, Chief of Engineers, set a new tone and direction for USACE when he issued the Environmental Operating Principles this spring. The principles are:

1. Strive to achieve environmental sustainability. An environment maintained in a healthy, diverse and sustainable condition is necessary to support life.
2. Recognize the interdependence of life and the physical environment. Proactively consider environmental consequences of Corps programs and act accordingly in all appropriate circumstances.
3. Seek balance and synergy among human development activities and natural systems by designing economic and environmental solutions that support and reinforce one another.
4. Continue to accept corporate responsibility and accountability under the law for activities and decisions under our control that impact human health and welfare and the continued viability of natural systems.
5. Seek ways and means to assess and mitigate cumulative impacts to the environment; bring systems approaches to the full life cycle of our processes and work.
6. Build and share an integrated scientific, economic, and social knowledge base that supports a greater understanding of the environment and impacts of our work.

7. Respect the views of individuals and groups interested in Corps activities, listen to them actively, and learn from their perspective in the search to find innovative win-win solutions to the nation's problems that also protect and enhance the environment.

Notice the strong focus on sustainability, which we define as "a synergistic process whereby environmental and economic considerations are effectively balanced through the life cycle of project planning, design, construction, operation and maintenance, to improve the quality of life for present and future generations."

These principles don't promote "business as usual" but instead serve as motivators, encouraging us to be creative and proactive in carrying out our military and civil works missions. It's not that we aren't already doing good things; we just need to continue our culture change and press forward.

Two examples reflecting the Environmental Operating Principles way of thinking are; building sustainable facilities by applying the Sustainable Project Rating Tool (SPiRiT), and Louisville District's partnering with the Kentucky Chapter of The Nature Conservancy to restore the Green River Bioreserve ecosystem.

SPiRiT is an easy-to-use tool, allowing project delivery teams to design facilities to achieve defined levels of sustainability. SPiRiT has four achievement levels: Bronze, Silver, Gold and Platinum. Army and USACE policies require all Army military facilities to be scored against SPiRiT and to achieve at least Bronze in FY 02. The bar may be raised after that. For more information on using SPiRiT for military or civil construction, contact Mr. Harry Goradia, CECW-ETV or visit the Sustainable Development and Design web site, <http://www.cecer.army.mil/sustdesign>.

Louisville District is partnering with the Kentucky Chapter of The Nature Conservancy to help protect rare plants, animals, and restore the ecosystem functions and natural communities indigenous to the Green River Bioreserve influenced by releases from the USACE operated Green River Lake. A very important facet of this effort is restoring natural hydrologic flow and temperature variability in the bioreserve area. The District and The Nature Conservancy are collaborating to refine the operation of Green River Lake to improve both the downstream environment and recreational opportunities without compromising established project-operating requirements. Bill Byron, CELRL-ED-T-W can provide more information on this innovative project.

The Chief introduced the Environmental Operating Principles by personally training his subordinate commanders. By now we in the Engineering and Construction community throughout the Corps have been trained, too. Now it's up to us to integrate sustainability into our day-to-day business processes and produce more, and better, projects showcasing the Environmental Operating Principles.

POC: DALE OTTERNESS, CECW-ET, 202-761-7697

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MSC E&C CHIEFS WORKSHOP

The Chiefs of E&C from MSC's and selected districts (one per MSC) met in Nashville on 7 and 8 May 2002. Also participating were four members of the HQ E&C staff, including Dwight Beranek; Kim Weirick from the HQ Military Programs PM organization; and two field SES (Jim Crews and Tom Ushijima). We had excellent dialogue throughout the two-day workshop, including lots of lessons learned and team building. Topics included discussions on quality issues, cost engineering, continuous involvement on PDT's, recruitment and retention strategies in high cost regions, Dam Safety, CW

infrastructure security and TISP, and exemplary projects and new technology. Attendees were strong advocates for PMBP, and recognized the need to build more teamwork at all levels before we finally get where we want to be. The agenda, presentations, and action items are posted on the new prototype E&C web page (<http://tsc.wes.army.mil/mk/mk.asp>). The next semi-annual workshop is planned for late October in Dallas.

POC: BOB BANK, CECW--EE, 202-761-4243

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CONSTRUCTION INDUSTRY INSTITUTE (CII)

USACE has been a member of the Construction Industry Institute (CII) for 15 years. "CII was chartered to bring together Owners, Engineering/Construction Companies and Academia to do research on topics that could improve the delivery of capital investment, reduce costs and improve skill in the Industry." Its current mission is, "To improve the safety, quality, schedule and cost effectiveness of the capital investment process through research and implementation support for the purpose of providing a competitive advantage to CII members in a global marketplace." (Quotation from CII report on the value of CII dated March 2, 2001.)

CII has recently made all of their products available for download from the web to all personnel in member organizations. All that is needed for access is a user name and password. Jean McGinn, CECW-EE has been designated as the Online Administrator for USACE. Two types of passwords can be issued: a user password and a power user password. A power user can issue user passwords to others in the organization. Chiefs of Engineering in all MSC's and districts have been requested to provide the names of a person to be a power user in their organization. Currently there are power users in the following districts and MSC's: Pittsburgh, New Orleans, St. Paul, Baltimore, New England, New York, Omaha, Far East, Honolulu, Mobile, Savannah, Albuquerque, Sacramento, Northwestern, and Southwestern. Terry Wilford at HQUSACE is also a power user. If you would like the name of the power user in your organization, contact Jean McGinn at jean.a.mcginn@usace.army.mil.

The CII web site can be found at <http://www.construction-institute.org/>. Clicking on "Knowledge Structure" will take you to a listing of all Knowledge areas and Best Practices. The knowledge areas are: Front End Planning, Design, Procurement, Construction, Startup and Operations, People, Organization, Project Processes, Project Controls, Contracts, Safety Health and Environment, Information Technology Systems, and Globalization. Under each of these knowledge areas are found Best Practices and Proposed Best Practices with their associated tools, research reports and research summaries.

One useful tool, which is available, is the Project Definition Rating Index (PDRI) for Buildings, which can be a valuable aid in defining project scope up front. There are many other useful tools available from the web site, and it is well worth investigating.

As part of our association with CII, USACE has been an active participant on their Benchmarking & Metrics Committee to foster better organizational accountability for project success. We are actively seeking district volunteers to become benchmarking associates to get engaged in the benchmarking process through CII. Anyone interested in participating with the committee should contact Mr. Walt Norko, CECW-ETC, at (202) 761-7507.

POC: JEAN MCGINN, CECW-EE, 703-428-7479

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BROADSTREET HOLLOW STREAM PROJECT

Today, nine million New York residents are drinking safer water thanks in large part to the Army Corps of Engineers, Broadstreet Hollow Stream Project where innovative restoration techniques were used to preserve the community's quality of life as well as the stream's natural habitat.

The Broadstreet Hollow Stream is a tributary of the Espous Creek, which is the primary river running into the Ashokan Reservoir.

The Broadstreet Hollow Stream Project is one of 31 projects being accomplished under the New York City Watershed Environmental Assistance Program (WEAP). This program was established in order to protect and enhance the water quality of watersheds located throughout upstate New York.

"All of these projects are ongoing except for Broadstreet that was completed in November 2000," said Douglas Leite, project manager, New York District. "It may be completed, but the successful work accomplished on the project has left a lasting impression on the community that has experienced flooding problems over the years."

The community along the two and a half mile Broadstreet Hollow Stream was built during the 1950's. Builders constructed the homes right along the stream and redirected the stream flow, unaware that by doing this they were forcing the stream to flow in a direction it didn't naturally meander. Over the years, the stream would try and correct itself, which would contribute to the problems that lay ahead.

In January 1996 the area experienced an unusual mid-winter rain. The stormwater runoff from the rain and snowmelt caused severe flooding and streambank erosion, threatening the nearby homes. The large flows of water in the stream also eroded the streambed; the channel's protective gravel and cobble coating "armor" was being worn away causing the stream reach to incise.

While degradation of the channel continued, a nearby high bank was beginning to collapse into the stream. This geotechnical slope failure caused the middle of the stream to push up creating a "clay island" in the middle of the stream. The exposed clay caused a persistent water quality problem by increasing the turbidity of the stream. When the water ran down the stream past the clay island, it would continue down the stream filled with clay particles.

In 1999, Hurricane Floyd caused a flood event in the area, impacting the water quality further. Due to the slope failure an artesian mud boil developed in the middle of the stream. Groundwater was pushing up through the clay island (clay lens) and carrying suspended colloidal clay sediments to the surface and down the stream.

To end this water safety problem, the Greene County Soil and Water Conservation District (GCSWCD) promptly designed a project that would restore natural stability to the stream and meet their water quality, flood prevention and habitat enhancement goals.

They assembled a project team that included the U.S. Army Corps of Engineers, New York District, Ulster County Soil and Water Conservation District (UCSWCD), New York State Department of Environmental Conservation (NYSDEC) and the New York City Department of Environmental Protection (NYCDEP).

The construction took only 3 months to complete, between September and November 2000, and included excavating and relocating over 2,718 cubic yards of pure clay material from the streambed



Volunteers planting field grown dug willows', bare root willows, dogwood and hybrid poplar along the stream bank

and stream banks; replacing the clay with a course cobble and gravel material in the streambed; installing groundwater relief wells beneath the stream so the groundwater is forced to drain into the stream; constructing a new stream channel that works with the channels' natural meander; and planting willow stems and other appropriate riparian species along the stream bank.

It is considered a success by many due to environmental benefits including the preservation of the trout in the area and also “due to the use of stream restoration techniques which focus on restoring natural stability to the stream system instead of “forcing” a stream to cooperate with landowner and agency

wishes”, said Rene’ VanSchaack, Executive Director, GCSWCD.

“The New York District was very supportive of the use of these new stream techniques,” said VanSchaack. “My experience with the New York District was exceptional. Doug Leite and Bill Slezak, Chief of Programs & Project Management, New York District, were both extraordinary resources. They addressed items in an exceptionally timely manner. This greatly helped to keep the project on track.”

New York District received permitting and certification for the project from the NYSDEC. “This project was an important step forward in bringing a WEAP project to successful completion with many involved agencies, and improving the water quality of the Espous Creek, specifically by reducing turbidity levels as much as possible”, said Philip DeGaetano, Acting Director, Division of Water, NYSDEC.

“This was an enjoyable project to work on because it represented the most dramatic, instant water quality benefit I have ever seen on a site,” said VanSchaack. “and because it presented a complicated restoration effort and allowed us to refine our techniques for dealing with lacustrine clays and working in tight quarters behind the homes.”

Working very close to resident homes didn’t present a problem for the community, said VanSchaack. “The landowners were very satisfied. This was a very intrusive project in their immediate back yards, and all are very pleased with the final product.”

POC: JOANNE CASTAGNA, CENAN-PP-C, 212-264-1230

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Dam Safety

DAM SAFETY 2002

The Association of State Dam Safety Officials (ASDSO) annual conference will be held September 8-11, 2002, at the Saddlebrook Resort in Tampa, Florida. One of the principal speakers on Monday, September 9, will be LTG Flowers, Chief of Engineers. The annual conference agenda and a simple registration form posted as a downloadable file. Those of you who need documentation months in advance in order to request travel could use this form now. Go to: <http://www.damsafety.org> and then click on Annual Conferences and Training, then on Annual Conference.

The technical agenda will be highlighted by sessions on Dam Safety Research, Hydrology (PMF), Gates, Dam Construction and Rehab Case Studies, RCC, Instrumentation, EAP's and Liability, Environmental Issues, Seepage, Hydraulics/Scour, Dam Inspections, Seismic Issues, Risk, and Dam Security.

Call the Saddlebrook Resort at 1-800-729-8383 to make reservations at the ASDSO conference rate. Discounted conference rates are available until the cutoff date of August 6, 2002.

Saddlebrook Room Rates for Dam Safety 2002:

Deluxe Guest Room: \$95 plus tax per night.

One Bedroom Suite: \$120 plus tax per night.

Two Bedroom Suite: \$170 plus tax per night. All rates are for single or double occupancy. An additional \$6 per night resort fee covers use of the fitness center, local phone calls and long distance access charges.

The Corps will hold a mini-conference on Wednesday afternoon, September 11. All Corps Dam Safety personnel attending Dam Safety 2002 are encouraged to also attend the Corps meeting.

For future planning, we have been informed that Dam Safety 2003 will be held at the Hyatt Regency in Minneapolis, Minnesota, 7-10 September 2003.

POC: CHARLES PEARRE, CECW-EIS, 202-761-4645

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Information

SERVICE AWARDS

The following awards were recently announced in a national construction industry publication.

Congratulations to David Foster, Chief of the Construction Branch of the Corps of Engineers Grand Haven Area Office, Detroit District, Michigan, who was presented with the Commander's Award for Civilian Service in January 2002 for outstanding achievement. David was recognized for managing six of the seven largest construction projects in the Detroit District since the Soo Locks (St. Marys Fall Canal, Sault Ste. Marie, MI) were built in 1855. He was also recognized for his supervision of general construction, military, and reimbursable contracts from Indiana to Michigan.

Ross Kittleman is another Corps of Engineers employee in the Detroit District's Grand Haven Office who received a recent award -- the Commander's Superior Civilian Service Award given for outstanding accomplishments. Ross was recognized for a Federal service career spanning more than

38 years, most as the Area Engineer for the Grand Haven Area Office. It was also noted that Ross was supportive of labor management, process improvements, partnering, and a commitment to excellence. Congratulations are also due Ross on his retirement in February.

*POC'S: ANJANA CHUDGAR, CECW-EW, 202-761-0250,
AND DAVID WINGERD, CECW-EW, 202-761-1802*

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PASSING OF SAM POWELL

Engineering and Construction Division received word that Sam Powell, retired Hydraulic Engineer, passed away on Tuesday, 4 June 2002. Sam had a long distinguished career with the Corps of Engineers completing over 55 years of service to the nation before he retired. The following comments were received concerning Sam's death:

From Joe Raoul, Chief, Engineering Division, Rock Island District – “Sorry to hear about Sam's passing. I have a lot of pleasant memories of Sam during my years of association with him. A purist and an outstanding Hydraulic Engineer, he leaves a great legacy behind in the design of hydraulic structures.”

From Arijis A. Rakstins, Chief, Engineering & Technical Services Division, San Francisco District – “We in SPN worked with Sam on a number of projects, as I'm sure you recall Charles. Probably the last was the ship simulation for the Oakland Harbor 42' Deepening Project. Despite the political pressures, he never compromised his professional standards. He made us do the right thing, the right way. He was a fine representative of the technical hydraulic design capability of the Corps of Engineers.”

Sam's daughter, Nancy J. Powell, is an engineer with the New Orleans District.

POC: CHARLES PEARRE, CECW-EI, 202-761-4645

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NEW PUBLICATIONS

All new publications issued by HQUSACE are now issued electronically. This results in some offices not knowing about new publications for some months after the official issue date of the publication. Corporate Information (CECI-IV) maintains a list of new publications issued in the last 180 days on the Internet at <http://www.usace.army.mil/inet/usace-docs/new-pubs/>.

In order to assist Engineering and Construction offices in obtaining the latest publications, we will include a listing of the newest publications in each issue of the E&C News. The lists in this issue include all publications issue from 30 April 2002 through 1 July 2002.

New Engineer Manuals

PUB.NUMBER	PGS	PROPONENT	TITLE	PUB.DATE
EM 1110-1-4001	424	CEMP-ET	Engineering and Design: Soil Vapor Extraction and Bioventing	03 Jun 02
EM 1110-2-1009	292	CECW-EE	Engineering and Design - Structural Deformation Surveying	01 Jun 02

EM 1110-2-1100 Part I	78	CECW-EW	Coastal Engineering Manual - Part I	30 Apr 02
EM 1110-2-1100 Part II	608	CECW-EW	Coastal Engineering Manual - Part II	30 Apr 02
EM 1110-2-1100 Part III	472	CECW-EW	Coastal Engineering Manual - Part III	30 Apr 02
EM 1110-2-1100 Part IV	230	CECW-EW	Coastal Engineering Manual - Part IV	30 Apr 02

New Engineer Regulations

PUB.NUMBER	PGS	PROPONENT	TITLE	PUB.DATE
ER 37-1-31	012	CERM-B	Financial Administration - Planning, Programming, Budgeting and Executing Operations	01 Jun 02

POC: LIZ PANNELL, CECI-IV, 202-761-5974

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Upcoming Regional and National Meetings and Conferences

2003 INFRASTRUCTURE SYSTEMS CONFERENCE

The U. S. Army Corps of Engineers is sponsoring the 2003 Infrastructure Systems Conference. The South Pacific Division and the Los Angeles District will host the conference. It will be held at the Bally's Hotel in Las Vegas, Nevada. The conference will consist of plenary session and break out workshops on security engineering, structural engineering, geotechnical/materials engineering, electrical engineering, mechanical engineering, construction, specifications, and dam safety. High participation and attendance by these disciplines, workload permitting, is recommended. The conference will also have an exhibit area for display booths for participating manufacturers and associations. The theme of the conference will be on engineering security and safety into DoD and civil works facilities. The conference will commence at 0800 hours, Tuesday, 6 May 2003, and continue through 1200 hours, Thursday, 8 May 2003. Thursday afternoon will be available for optional training sessions. This conference is primarily an engineering training conference. Continuing education units will be provided for those attending the conference and the optional training sessions.

We are providing this advance information for planning purposes. A website will be developed which will have specific information including the agenda, on-line registration, hotel reservations and exhibitor information. The website address will be provided as soon as the website is established.

Each workshop has a point of contact as follows:

Workshop	Contact	Telephone
Security Engineering	Joe Hartman	(202) 761-0301
Structural Engineering –	Pete Rossbach	(202) 761-1518

Military Sessions		
Structural Engineering – Civil Works Sessions	Anjana Chudgar	(202) 761-0250
Geotechnical Engineering	Jim Chang	(202) 761-5904
Materials Engineering	Greg Hughes	(202) 761-7771
Mechanical Engineering – Military Sessions	Sami Rahman	(202) 761-7698
Mechanical Engineering - Civil Works Sessions	Dan Casapulla	(202) 761-5544
Electrical/Electronic Engineering	Bob Billmyre Bob Fite	(202) 761-4228 (202) 761-7169
Construction	Brad James	(202) 761-5541
Dam Safety	Charles Pearre	(202) 761-4645
Specifications	Rick Dahnke	(202) 761-4125

*POC'S: ROBERT KOPLIN, CESPL-ED, 213-452-3629,
ALBERT SIDHOM, CESPD-MT-ET, 415-977-8116,
AND ROBERT DIANGELO, CECW-ETE, 202-761-5543*

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HYDROLOGIC MODELING CONFERENCE

Hydrologic Modeling for the 21st Century is the theme for the Second Federal Interagency Hydrologic Modeling Conference to be held this summer, July 28 – August 1, 2002 at the Riviera Hotel, Las Vegas, Nevada. The conference is a function of the Subcommittee on Hydrology, Interagency Advisory Committee on Water Data. Earlier conferences were held in Fort Collins, Colorado in 1993, and in Las Vegas, Nevada in 1998. The conference is open to all interested parties; the 1998 conference was most successful and had significant national and international participation by government agencies, universities, and private industry.

One of the needs identified in the previous conference was for better coordination among similar model development/support activities in the profession. To address those needs and plan for the future, the Subcommittee decided to hold this new conference. In November 2000, a workshop was held in Tucson, Arizona to plan for the conference and identify key issues on hydrologic model development and maintenance. Excellent insights from that workshop are summarized on the website: http://water.usgs.gov/wicp/acwi/hydrology/mtsconfwkshops/AZ2000_wkshop.html.

The 2002 Conference will follow a mixed set of formats including formal presentations, model demonstrations, field trips, and short courses. Over 180 abstracts have been submitted on the following topics:

New observations and data for Hydrologic Modeling	Uncertainty estimates for data, parameters and results
Instrumentation to support Hydrologic Modeling in the 21st Century	Model Sensitivity Analysis and Error Estimates
Evaluation of Hydrologic Models by Regime and Climate	Advances in Model Calibration Techniques
Standards for Hydrologic Data	Remote Sensing/GIS Applications
Agency Specific Hydrologic Modeling	Data Sharing Information Management

Practices	Automation
Research versus Operations Needs in Hydrologic Modeling	Environmental River Management
Documenting Quality of Hydrologic Data	Flood Hydrology
Establishing Standards for the Evaluation of Hydrologic Models	Case Studies of Interagency Cooperation in Hydrologic Modeling
Error Propagation for Hydrologic Models	Modeling of Major River Systems
Identifying Model Parameters	Landscape Erosion, Sediment Transport
Sustaining River Environments	Modeling Water Quality Transport Processes
Using Models in Developing TMDL's	Modeling Dam Removal

Details about the conference activities and papers are being prepared now and should soon be on the website: <http://water.usgs.gov/wicp/acwi/hydrology>

Arlen Feldman of the Corps Hydrologic Engineering Center, CEIWR-HEC, is the overall conference chair. Other members of the organizing committee are: Ming Tseng, Corps HQ; Don Frevert, USBR, and George Leavesley, USGS, Co-Technical Program Chairs; and Doug Glysson, USGS, Operations Chair.

POC: ARLEN FELDMAN, CEIWR-HEC-HH, 530-756-1104

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Training

LEADING ORGANIZATIONS

Unleashing the Full Potential of Organizational Performance - In this seminar, experienced managers, typically considered mid-level managers in their organization, step into the world of dynamic thinking, creativity, and innovative, results-getting implementation.

The seminar is two exciting weeks packed with sessions that expose managers to new approaches and processes. Participants are energized to achieve superior levels of organizational excellence and are invigorated in their ability to deal with the day-to-day challenges of their workplace.

Managers bring live problems to the seminar. They use them to develop the skills and knowledge needed to deal more effectively with the rapidly changing Federal environment.

Key Results

- Acquire new ways of thinking and managing that lead to greater organizational efficiency
- Learn to diagnose and assess an organization's strengths and weaknesses
- Prepare to initiate and manage innovation in a team-based environment
- Foster originality, flexibility, and reasonable risk taking while remaining accountable for results
- Learn to manage technology to enhance organizational performance
- Develop concepts and skills for partnering and building more effective teams
- Enhance influence and negotiation skills

- Examine core value issues and their impact on the Federal manager

Who Should Attend

Mid-level managers typically with 2 or more years management experience

Available Dates and Locations:

August 5-16, 2002 at Western Management Development Center

September 3-13, 2002 at Eastern Management Development Center

September 9-20, 2002 at Western Management Development Center

October 21-November 1, 2002 at Western Management Development Center

October 28-November 8, 2002 at Eastern Management Development Center

Contact WMDC at (304) 870-8008 for space or to learn more about this seminar at

<http://www.leadership.opm.gov/content.cfm?CAT=MDS-LO>.

POC: CHARLES M. PEARRE, CECW-EIS, 202-761-4645

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CONFLICT RESOLUTION SKILLS SEMINAR

Conflict Resolution Skills: Positive Approaches to Difficult People, A Practical Course Toward Positive Outcomes -- Uncomfortable and tense situations often wreak havoc in the workplace. When people in your workplace disagree, the strategies discussed in this course can help you transform even the most difficult circumstances into satisfying, win-win experiences. "Difficult" people-whether they are co-workers, employees, or supervisors-can bring you down and have an adverse impact on your job or office performance. Gain control over the situation quickly by taking this practical course that will help you find positive approaches and outcomes

Key Results

- Identify and resolve conflict in a variety of situations through the use of case studies and simulations
- Practice getting control of tense situations before they get out of hand
- Practice and use proven approaches to resolve conflicts
- Learn to create workplace conditions that promote cooperation
- Move beyond emotions to win-win situations
- Learn how to build and mend relationships after a lose/lose or win/lose conflict has occurred
- Maintain your composure around difficult people
- Reach a workable compromise without backing off
- Motivate others to take positive action
- Minimize the negative impact of difficult personalities

Who Should Attend -- This course is for any employee who wants to better manage workplace conflict, learn practical ways of handling challenging personalities and create a positive outcome and work environment.

Dates and Location – March 24-28, 2003 at Western Management Development Center, Denver, CO

Contact WMDC today for space availability 304-870-8008. Or learn more about this seminar at

<http://www.leadership.opm.gov/content.cfm?CAT=CSR-PADP>.

POC: CHARLES PEARRE, CECW-EIS, 202-761-4645

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SUPERVISORY LEADERSHIP SEMINAR--LEARNING TO LEAD

This seminar provides the new government supervisor with basic administrative, human resource and leadership knowledge and skills to become highly successful in their new career. The course is geared for first line entry-level supervisors. The basics of supervision are the principal focus of this seminar. Seminar topics include: Managing within the Merit System; Performance Management; Principles and Styles of Leadership; Effective Communication; Building Successful Teams; Managing Conflict; Delegation and Accountability; Coaching, Feedback and Counseling; and Creativity.

Attendees participate in a variety of activities including case studies, small group discussion, personal and group assessments, and directed study to maximize their learning experience. Participants will understand the hiring process and the various options available to insure proper hiring.

Who Should Attend – This course is designed for entry-level supervisors in the Federal Government.

Dates and Locations –

August 19-30, 2002 at the Western Management Development Center in Denver, CO

September 16-27, 2002 at the Eastern Management Development Center in Shepherdstown, WV

Contact WMDC today for space availability 304-870-8008. Or learn more about this seminar at <http://www.leadership.opm.gov/content.cfm?CAT=SLS>.

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Open Discussion and Comments

"KNOWLEDGE MANAGEMENT/REDESIGNED E&C WEB PAGE"

The following comment was received on the above article in the April-May 2002 issue of the E&C Newsletter.

I like the idea of a KM Web site. Although I have not yet taken the opportunity to access the web site I have a couple of comments (perhaps premature and if I looked at the web site the answers may be self evident).

1. I would not like to see the loss of the E&C News Letter as I find it very useful. I would like to see it continue, and be posted on the KM Web site. I would like to see the Planning Ahead News Letter posted to this web site.
2. I am hoping that the KM Web site is not restricted to just E&C related information and data, but will also include information relevant to Operations, Planning, Project Management, HTRW and useful to all disciplines within the Corp of Engineers.

Editor's Response – We plan to continue the E&C Newsletter. Also, future development of the web site will include links to other functional areas. These comments were forwarded to John Lanzarone for consideration in the further development of the web site.

(Editors' note: If you want to share your thoughts with our readers regarding a subject of general interest, send an email to the E&C News editor at charles.pearre@usace.army.mil. A synopsis of your comments will be published next time).

Editors' Notes

FUTURE THEMES

Future regular issues of the Engineering and Construction News will be issued every two months; with special issues published as needed. The themes for the next issues of the News are listed below for your information and use in preparing articles for submission to the News.

August-September 2002 Sustainable Design and Development
October-November 2002 E&C Technical Capability Assessments

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SUBSCRIBE TO ECNEWS

Engineering and Construction News uses a subscription list on the Corps List Server. The name of the list is LS-ECNEWS. The purpose of the list is to distribute the Engineering and Construction community newsletter, *Engineering and Construction News*.

You can subscribe or unsubscribe to LS-ECNEWS by sending an e-mail message to majordomo@ls.usace.army.mil with no subject line and only a single line of text in the message body. That single line of text should have the following format: **subscribe ls-ecnews** or **unsubscribe ls-ecnews**. The List Server system will automatically pick up your originating e-mail address from the message and add it to or delete it from the distribution list.

If you have any questions about the list server, see the List Server E-Mail Delivery System web page at <http://eml01.usace.army.mil/other/listserv.html>. Or you may contact Charles Pearre if you have additional questions on the subscription list.

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