

Meeting Results  
WEDA Environmental Commission  
Tempe, Arizona June 15, 2009

The meeting on June 15, 2009, of the WEDA Environmental Commission was attended by the following Environmental Commission members and guests:

Craig Vogt	Chair	Craig Vogt, Inc
Don Hayes	Academic Community	University of Louisiana
Bob Engler	Consultant	Moffatt and Nichol
Marsha Cohen	Media	Terra et Aqua
Barry Holliday	Dredging Industry	DCA
Doug Clarke	Federal government	Corps of Engineers
Judith Powers	Media	International Dredging Review
Gary McFarlane	Consultant	Mar-Land Engineering
Peggy Derrick	Consultant	EA Engineering
Rich Weber	Consultant	Natural Resource Technology
Phil Spadaro	Consultant	Arcadis
Steve Garbaciak	Consultant	Arcadis
Joe Fischer	Consultant	Bay Engineering
Bill Hanson	Dredging Industry	Great Lakes Dredge and Dock
Rene Kolman	Dredging Industry	IADC

Following introductions of those present at the meeting, Craig Vogt provided a brief review of the objectives of the WEDA Environmental Commission:

Promote communication and understanding of environmental issues and stimulate new solutions associated with dredging and placement of dredged materials such that dredging projects, including navigation and remediation dredging, are accomplished in an efficient manner while meeting environmental goals.

Craig Vogt identified the primary objectives of the meeting which included:

- (1) Review the Texas A&M proposal to implement the Environmental Commission proposal for outreach and education actions, and identify next steps;
- (2) Initiate the creation of a WEDA Environmental Excellence Award;
- (3) Determine the theme of the Environmental Commission panel during the 2010 WEDA Conference;
- (4) Identify actions to improve the provision of environmental articles to the WEDA Newsletter;
- (5) Identify opportunities to collaborate with CEDA's Environmental Commission, PIANC's Environmental Commission, ASCE's COPRI, and other similar organizations; and
- (6) Identify other actions and activities for the Environmental Commission.

Doug Clarke reported on the joint WEDA-CEDA meeting in Panama in March 2009. While mostly focused upon CEDA activities, the discussion was also directed to exploring joint activities between the two Commissions. Further development of outreach and education activities was emphasized.

Bob Engler reported for Ed Russo, Chair of the PIANC Environmental Commission (EnviCom), on EnviCom activities related to WEDA interests.

Craig Vogt reported on the discussion at the WEDA Board of Director on Texas A&M proposal on outreach and education intended to implement the EC proposal on outreach/education. After a great deal of discussion, the Board of Directors set up a committee to further determine next steps. The Committee includes: Barry Holliday, Bob Engler, Craig Vogt, Greg Hartman, Larry Patella, and Beverly Fedorko. The Environmental Commission also had another long discussion on Bob Randall's proposal, and what next to do. The conclusion of both the Board of Directors and the Environmental Commission was that there was plenty of information out there, and we did not need a new summarized type of presentation, e.g., Dredging 101. What was needed was easier access to information and distribution.

We did not reach a conclusion on the distribution side, but it was strongly felt that the WEDA website should be the place to go for information about dredging and dredged material management---we, of course, are focused upon the environmental aspects of dredging and dredged material management. The idea that stuck was development of an organized section of the website that would provide either direct access to info or links to other websites. The operational configuration would be around FAQ, that would then provide the info and links to other info. Barry Holliday volunteered to organize the FAQ.

For the links, we will send around a "chain email" to all of us, into which we are to insert the links to information we think are available and pertinent to FAQs and outreach/education efforts. Craig Vogt will speak with Larry Patella on how to include the FAQ and links on the website, as well as coordinate with the Board of Directors Committee.

Craig Vogt reported on a proposal that he presented to the WEDA Board of Directors on initiating an environmental excellence award. Concepts of the award:

- Annual award given at the annual WEDA Conference
- Award would have to include the dredging company, the sponsors, and the design engineering company. Others on the team would be appropriate, such as equipment manufacturers or the state and federal government permit writers.
- The criteria have not yet been developed, but would include both navigation and clean-up dredging.....perhaps, alternate each year.
- When: first award at the 2010 WEDA Conference
- Process:
  - Concept reviewed and approved by Board of Directors
  - Award criteria and details of the process developed by the WEDA Environmental Commission

- Award criteria and process reviewed and approved by Board of Directors
- Nominations due mid-year; review by Environmental Commission
- Recommendation to the Board of Directors or maybe just the officers for approval
- Award presented at the annual conference

The discussion was supportive of the environmental award. It was suggested that the initial criteria and process be developed for an annual award during the WEDA conference and then, if supported by the Chapters, provide the criteria/process and lessons learned to the Chapters so they could also have provide awards during their annual chapter meetings.

A committee of Craig Vogt, Peggy Derrick, Phil Spadaro, and Beverly Fedorko was established to draft the criteria and process. Other organization's award's programs will be reviewed as a basis for developing the WEDA program.

Phil Spadaro reported that PIANC has published the following report: “Dredging Management Practices for the Environment – A Structured Selection Approach.”

This report offers practitioners a well thought out approach to the selection of management practices at all stages of dredging projects from project planning through long-term monitoring. A CD is included as a searchable “toolbox” of management practices. January 2009, €45, [www.pianc.org](http://www.pianc.org).

Craig Vogt said thanks to this year's Environmental Commission Panel during the WEDA conference technical program.

*“Port Development: Doing the Right Thing”*

Moderator: Craig Vogt, Chair Environmental Commission

Gary McFarlane: “Port Development- From Raw Land to Functional Use via Environmental Safeguards”

Phil Spadaro: “Ports as the Engine for Waterfront Cleanup”

Don Hayes: "Reducing Sediment Placement Requirements Through Beneficial Uses"

Richard Weber: “The Interrelationships of Port Development and Past/Present/Future Environmental Response Actions”

Bob Engler: “Dredging-You Can't Do Without It: But are You Doing the Right Thing the Right Way?”

These presentations will be included in a future edition of the International Dredging Review.

A brief discussion of next year's Environmental Commission panel theme resulted in the following topic: “Celebrating 30 years of WEDA and progress in environmental issues.” [Note: the meeting is the 30th meeting of WEDA]

Action: Two speakers were identified so far: Barry Holliday and Bob Engler. Other volunteers or suggestions are requested.

Other Items. Joe Fischer of Bay Engineering Inc is concerned that nothing in the last two WEDA meetings (St Louis and Tempe) has mentioned exhaust emissions from diesel engines. The statement by Joe Fischer:

*As a service to dredge owners, I suggest that attention be called to 40 CFR Part 9, Control of Emissions from Marine Compression Ignition Engines. If one has small diesel engines, one need not be concerned. They are already meeting Tier 2 requirements. If one has Category 3 Engines (Cylinder Displacement > 30 liters), there will be a problem meeting the requirements for Tier 3 in 2012 and Tier 4 in 2014. A solution might be made by changing to ultra-low sulfur fuel (COSTLY) for reducing sulfur oxides (SOX) and by adding Selective Catalytic Reduction (SCR) to reduce nitrogen oxides (NOX) plus exhaust filters to reduce particulate matter (smoke). To my knowledge there are no current large diesel engines that meet the proposed requirements. This will be an expensive problem for owners of large diesel engines such as found on Trailing Suction Hopper Dredges and possibly other dredges. My suggestion to the papers committee is that papers covering this be solicited from engine manufacturers such as WARTSILA, MAK, ROLLS-ROYCE and others on this subject.*

Next Meeting. The next meeting of the WEDA Environmental Commission will be held June 7, 2010, Monday afternoon, 3:00 PM – 5:30 PM during the next WEDA meeting in San Juan, Puerto Rico.



WEDA Environmental Commission Meeting on June 15, 2009 Tempe, Arizona