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**Consortium for Research and Education on
Emerging Contaminants (CREEC)
December 2010 meeting
Boulder, CO**

Board Meeting

All officers and Board member were in attendance prior to the general meeting, with the exception of Thomas Borch. Several issues were discussed:

1. Nomination of Barbara Bennett as a Board Member. The Board approved moving this nomination to the General Meeting for a vote.
2. Webcasts for future meetings. Curt will explore how we could economically broadcast the speaker's presentations via the web. Testing various methods will be explored prior to the next meeting.
3. Meeting Locations: The next meeting (March 10, 2011) will tentatively be scheduled to be held at Metro WWRD, Denver. The June 9, 2011, meeting is open and the September 8, 2011, meeting will be scheduled for the CDPHE Lab facilities. More information will be provided to firm up dates and locations. CREEC will explore how to do more PR regarding meetings.
4. CREEC is projecting holding a workshop in April, 2011, for water and wastewater providers on emerging contaminants to be held in the Denver area. More information will be provided around January 15, 2011. CREEC will look at partnering with AWRA in 2012 for an emerging contaminants meeting.
5. Laurie will look into writing a EPA CARE grant to get CREEC some funds for sponsoring a conference or workshop.

General Meeting

We had 23 attendees at the General Meeting. The members approved by voice the addition of Barbara Bennett as a Board Member. No other elections, proposals or nominations were made. CREEC has \$5,383.14 in funds. CREEC does accept donations as a 501(c)(3).

2011 dues notice will go out soon. CREEC will need to support its 2011 activities through dues. It is very important for members to plan for this and be actively involved in CREEC. Dues for individuals is \$50 per year, \$25 for students, and Organizations is \$500 (this allows for multiple people to be registered as members from a single organization). Please register and pay 2011 dues on-line at www.CREEC.net and help support us.

We had two great presentations at the meeting:

Dr Djanette Khiari, Project Manager, Water Research Foundation, “An update on Water Research Foundation research on emerging contaminants”.

Dr E Michael Thurman and Dr Imma Ferrer, Research Chemists, CU Center for Environmental Mass Spectrometry, “Analysis of pharmaceuticals and personal care product in drinking water by advanced mass spectrometry techniques”. As a note: Michael made chemistry interesting. Very good speaker and really interesting research. We hope others team with his and Imma’s lab.

Upcoming Meetings

2011 Borchardt Conference, February 23-24, 2011, Ann Arbor, MI

HydroEco’2011, Vienna, Austria, 2-5 May 2011

MicroPol2011, July 2011, Sydney, Australia

EmCon2011, August 2011, Copenhagen, Denmark – No Information

15th International Conference on Diffuse Pollution and Eutrophication, Rotura, New Zealand, 19-23, September 2011 – abstracts due March 15

Quick Publication News

Are Oral Contraceptives a significant contributor to the estrogenicity of drinking water? Wise et al., ES&T: Not really

Bisphenol A (BPA) in U.S. food, Schechter et al., ES&T: Yes it is in food – pH seemed to be important.

Effects of Advanced treatments of wastewater effluents on estrogenic and reproductive health impacts in fish. Filby et al., ES&T, 44: 4348-4354.: Treatments reduced estrogenicity, but did not eliminate effect on egg production.

Nanometals induce stress and alter thyroid hormone action in amphibians at or below North American water quality guidelines. Hinder et al, ES&T 44: 8314-8321: Don’t amphibians have enough stress already!

Note: CREEC does not endorse this company and CREEC has not reviewed the referenced free iSTREEM model. CREEC is providing this as an FYI only. It looked interesting, particularly for Industrial Pretreatment Programs.

The American Cleaning Institute (ACI) invites you to join them for a free webinar on iSTREEM™, a free web-based computer model that predicts the concentration of a chemical used in a formulated 'down-the-drain' product (e.g., pharmaceuticals and personal care products) in the effluent of more than 12,000 wastewater treatment plants throughout the continental United States, their resultant mixing zones, riverine concentrations and drinking water intake concentrations downstream of wastewater discharges. The webinar will be held on **Thursday,**

January 13, 2011 from 2:00-3:30 pm EST. Space is limited. Register at:
<https://www2.gotomeeting.com/register/379362435>.

2010 Sponsors

South Adams County Water and Sanitation District, Commerce City, CO
Metro Wastewater Reclamation District, Denver, CO
Colorado Springs Utilities, CO
City of Westminster, CO
Northern Colorado Water Conservancy District, Berthoud, CO
City of Fort Collins, CO

2010 Individual Member Affiliations

U.S. Geological Survey
Colorado Dept of Public Health and Environment
City of Boulder
Littleton/Englewood WWTP
City of Greeley
CH2M Hill, Englewood, CO
CWA Consulting Services (CWACS)
City of Fort Smith, AR (2010 and 2011 Member)

Officers

President – Laurie Peterson-Wright - CDPHE
Vice-President – Dave Meyer - Westminster
Treasurer – Bill Battaglin - USGS
Secretary/webmaster - Curt McCormick – CWACS
Board Member – Vic Hahn - METRO
Board Member – Thomas Borch - CSU
Board Member elect: Barbara Bennett

About some of the Officers (Look for the March notes for information on the other Officers) :

David Meyer has spent 29 years in the municipal water and wastewater field as a laboratory supervisor, and biosolids and pretreatment program coordinator. He earned a Bachelor and Master's degree in fishery biology from Colorado State University.

Bill Battaglin is a founder of CREEC (member since 2005 and Treasurer since 2008). Bill received a B.A. in Geology in 1984 (University of Colorado, Boulder) and a M. E. in Geological Engineering (1992) from the Colorado School of Mines. In 1982, Bill joined the USGS as a field technician. After earning a degree in Geology, Bill returned to the USGS and began his career as a groundwater hydrologist in 1985. In 1989, Bill transferred to the USGS office in Colorado to work on issues related to the occurrence of agricultural chemicals in Midwestern water resources. He has helped design and conduct studies

investigating the occurrence of pesticides in streams, reservoirs, groundwater, rain, and the air. He is currently working on investigations of the occurrence of glyphosate in Midwestern streams, fungicides in potato growing regions, hypoxia in the Gulf of Mexico and its relation to nutrient flux of the Mississippi River, the effects of pesticides on amphibian populations in North America, the fate of emerging contaminants in Colorado surface- and groundwater, and the potential effects of climate change on Colorado snowpack.

Curt McCormick owns CWA Consulting Services (www.CWACS.com). CWACS provides technical and legal support and training to municipal pretreatment programs across the U.S. CWACS also provides information of interest to municipal pretreatment programs through its blog. Curt spent 20+ years with EPA in Clean Water Act and Safe Drinking Water Act programs as an environmental scientist. Curt oversaw the Industrial Pretreatment Program for EPA Region 8 from 1991 to 2007. He has a B.S. in Botany and a M.S. in Zoology.

Barbara Bennett is a hydrologist and works for an environmental consulting firm in Golden, Colorado. Barbara's masters' research at the Colorado School of Mines included the evaluation of pharmaceuticals and other emerging contaminants in water reuse projects and in conventional drinking water production. Barbara is also a gardener, skier, hiker and biker and she enjoys adventuring in the mountains with her husband.

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