



Southern California Regional Chapter of the Society of Environmental Toxicology and Chemistry



2010 Annual Meeting

April 29-30
Bahia Resort, Mission Bay
San Diego, CA



Important Dates:

- All abstracts are due by **MARCH 26, 2010**.
- Hotel room special ends **APRIL 2, 2010**. Rooms subject to availability after April 2.
- Pre-registration Deadline for the meeting is **APRIL 15, 2010**.

Program Highlights

Day 1 – Thursday, April 29

Morning Special Session: *TMDL's*

This special half-day session will focus on the current science behind the development and implementation of a variety of Total Maximum Daily Loads (TMDLs) in southern California. Progress to date, planned activities, and outstanding current needs will be addressed as case studies for a variety of common regional constituents of concern (i.e. bacteria, metals, nutrients, and organics).

Afternoon Plenary: *Marine Protected Areas*

Marine protected areas (MPAs) are separate geographic marine or estuarine areas designed to protect or conserve marine life and habitat. The Marine Life Protection Act (MLPA) directs the state to reevaluate and redesign California's system of MPAs to: increase coherence and effectiveness in protecting the state's marine life and habitats, marine ecosystems, and marine natural heritage, as well as to improve recreational, educational and study opportunities provided by marine ecosystems subject to minimal human disturbance. The MLPA also requires that the best readily available science be used in the redesign process, as well as the advice and assistance of scientists, resource managers, experts, stakeholders and members of the public. California is taking a regional approach to redesigning MPAs along its 1,100 mile coastline, and has divided the state into five study regions. The current state of MPAs in CA and perceived implications on local fisheries and marine ecology will be presented from several points of view.

Evening Poster Social

Day 2 – Friday, April 30

Platform Sessions

Posters and Platform Presentations

SoCal SETAC is requesting abstracts for platform or poster presentations at the 2010 annual meeting. Any primary research, case study, monitoring program data, or policy-based papers related to environmental toxicology, chemistry or related fields are acceptable. We also encourage presentation of student proposals and research at the meeting by offering Best Student Poster and Platform Presentation Awards. Every student presenter will receive a free 2010 SoCal SETAC membership and the best student poster and platform presentations will be awarded a \$100 cash scholarship. This meeting is also a great opportunity to present information from the SETAC NA annual meeting to those who could not attend the November 2009 meeting or to prepare for the 2010 meeting in Portland, OR.

Abstract Instructions

The abstract deadline is March 26, 2010 and the format for submission is as follows. The abstract, including the authors and title, are not to be longer than 300 words. Longer abstracts may be edited. At the top of the file, provide the name, address, phone, FAX, and e-mail information of the presenting author. Then skip a line and list your preference for a platform or poster presentation and whether this paper is to be judged for the Best Student Paper Award. Skip a line and type the title of the abstract in bold using title case. Then list the authors, last name first, then the first and middle initial, and place an asterisk (*) after the name of the presenting author. Include the name, city, and state of the institution for each author but not the department or street address. Without skipping a line, begin the text of the abstract.

An example of the correct submission format can be found on the next page.
Abstracts should be submitted as a Microsoft Word file via e-mail attachment.

Send the files via e-mail to **Chris Stransky** at: chris@nautilusenvironmental.com

The presenting author will be notified of acceptance status no later than three weeks after the abstract deadline.

Student Presenters: If you wish to have your poster judged for best award your poster must be up by 4:30 PM

Example of correct abstract format

Philip J. Markle
County Sanitation Districts of Los Angeles
San Jose Creek Water Quality Laboratory
1965 Workman Mill Road
Whittier, CA 90601
T: 562-699-0405, ext. 3055
F: 562-695-7267
E: pmarkle@lacsdsd.org

My preference is a PLATFORM presentation.
I do not wish to be judged for the Best Student Paper Award.

Application of the Pearson Product-Moment Correlation for Evaluating Whole Effluent Toxicity Test Concentration Response Relationships.

Phil Markle*, Joseph Gully, and Carlita Barton. County Sanitation Districts of Los Angeles, Whittier, CA.

The dose response relationship has been characterized as the most fundamental and pervasive concept of toxicology. This concept assumes a causal relationship between the dose or concentration of a substance and the measured response. This has been recognized in the latest USEPA chronic bioassay testing protocols through the requirement to evaluate the concentration-response relationships of all NPDES multi-concentration tests. Although the protocols provide complicated and subjective guidance on evaluating dose response relationships, the SETAC NA Expert Advisory Panel for Performance Evaluation and Data Interpretation has recommended the use of the Pearson product-moment correlation statistic in their Wild, Wild, WET short course. The Pearson product-moment correlation is a relatively simple and objective analysis that establishes whether a significant relationship exists between concentration and response. The two methods were compared by evaluating the dose responses from 149 NPDES reported chronic toxicity tests using both the EPA protocol recommended guidance and the Pearson product moment correlation. The USEPA and Pearson product-moment correlation typically agreed in terms of establishing an appropriate concentration response relationship prior to identifying a sample as being toxic. Results indicate that the two methods were in agreement in 93% of the tests. However, in 3% of the tests, the USEPA guidance identified the sample as "toxic" while the Pearson product-moment correlation did not identify a significant concentration response. Conversely, 4 % of the tests identified a significant concentration response curve but would have been considered "non-toxic" according to USEPA guidance.



Program Summary

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Tentative Schedule of Events

Thursday, April 29

08:00-17:00 Registration
08:30-11:30 Special Session (TMDLs)
11:30-13:00 Lunch (on your own)
13:00-13:30 Welcome and Announcements
13:30-17:00 Plenary (MPAs)
17:00-19:00 Poster Session and Social

Friday, April 20

08:00-13:00 Registration
09:00-10:20 Platform Sessions
10:20-10:40 Break
10:40-11:40 Platform Sessions
11:40-13:00 Lunch (included for meeting registrants)
13:00-14:20 Platform Sessions
14:20-14:40 Break
14:40-16:00 Platform Sessions
16:00-16:30 Presentation of Awards, Closing remarks

Tentative Platform Session Topics

- ASBS (Bight '08)
- Sediment/Water TIEs
- Environmental Chemistry
- Sediment Quality Objectives (SQOs)
- Urban Impacts
- Bacteria/Indicator species
- Bioassessment
- Endocrine Disrupting Compounds and Subcellular effects
- Environmental/Aquatic Toxicity
- Emergent Chemicals
- Stormwater



Meeting Registration



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Please print

Name:		Affiliation:	
Address:		City:	
State:	Zip:	Phone:	
Fax:		Email:	

Application for Membership

Membership Renewal (thru June 2011) Current member (skip to registration section)

New member Non-member (skip to registration section)

Category of Employer (check one)

Government Industry/Business Academic

Student Consultant Other _____

Membership Category (Annual membership covers July 1st – June 30. Dues paid prior to March 1 will apply only to the current membership cycle)

Active* (\$20/yr) Regional (\$20/yr) Student (\$10/yr) **Membership Dues** \$_____

*Active members must also be members of National SETAC (requires separate dues payment)

Meeting Registration (Pre-registration discount by 15 April 2010)

	Active/Regular Member	Non-member ¹	Student Member	Student Non-Member ¹	Sub-Total
Full Meeting Pre-registration	\$100	\$120	\$50	\$60	
Full Meeting Registration (after April 15)	\$120	\$140	\$60	\$70	
1 day Meeting Pre-registration (circle date: 4/29 or 4/30)	\$75	\$90	\$38	\$45	
1 day Meeting Registration (after April 15) (circle date: 4/29 or 4/30)	\$90	\$105	\$45	\$53	

Membership (if applicable, from above) \$ _____

Full meeting registration fees include the plenary, evening social, and platform sessions. **PAYMENT TOTAL** \$ _____

1. Non-Member fees include membership through June 2011

Mail this form and payment to: Kat Prickett, SoCal SETAC Secretary, P.O. Box 1619, San Pedro, CA 90733.
(Check or money order only) (Payable to "SoCal SETAC")

Cash, checks, and money orders will be accepted during onsite registration (no Purchase Orders or credit cards).

Requests for refunds (minus \$25 processing fee) must be submitted in writing by April 28, 2010.



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Bahia Resort, Mission Bay
998 West Mission Bay Drive
San Diego, CA 92109
(858) 488-0551

Directions from I-5 Heading South (from Los Angeles Area):

Follow I-5 South to San Diego.

Exit at Sea World Dr. and turn right. Just past the entrance to Sea World you will see signs for West Mission Bay Dr., take that exit. Continue following the signs until you go around the loop on the right. After the loop, the hotel is at the second traffic light on your right.

From I-15 Heading South (from Riverside Area):

Follow I-15 South until it splits into 163 South, follow 163 South.

Exit on Hwy 52 West; follow until you reach I-5 South.

Follow I-5 South to San Diego.

Exit at Sea World Dr. and turn right. Just past the entrance to Sea World you will see signs for West Mission Bay Dr., take that exit. Continue following the signs until you go around the loop on the right. After the loop, the hotel is at the second traffic light on your right.

Directions from I-8 Heading West (from East San Diego):

Follow the 8 West to the West Mission Bay Dr./Sports Arena Blvd. exit.

Turn right at the exit and stay in the right-hand lane. Follow the signs for West Mission Bay Drive. After the loop on the right side, the hotel is at the second traffic light on the right side.

Directions from I-5 Heading North (from Airport/Chula Vista/National City):

Follow I-5 North to I-8 heading West. Follow I-8 West until reaching the West Mission Bay Dr./Sports Arena Blvd. exit. Turn right at the exit and stay in the right-hand lane. Follow the signs for West Mission Bay Dr.

Exit at Sea World Dr. and turn right. Just past the entrance to Sea World you will see signs for West Mission Bay Dr., take that exit. Continue following the signs until you go around the loop on the right. After the loop, the hotel is at the second traffic light on your right.