

APEC – MEETING MINUTES

Friday, May 17, 2013 - Meeting # 03

SCHEDULED TIME: 10:00am (AZ Time)

VENUE: Pima County WESC - Tucson, AZ

Panel Members:					
Morteza Abbaszadegan		Pejman Eshragih		Christopher Jensen	
Leif Abrell	x	Steve Figgins		John Kmiec	x
Steve Baker		Michael Fink		Laura McCasland	
Jennifer Botsford		Robert Fromm		Jamie McCullough	x
Cindy Garcia	x	Doyle Wilson		Sara Presler	
Kelly Bright	x	Chuck Gerba	x	Jeff Prevatt	x
Al Brown		Randy Gottler		Dennis Price	
Mark Brusseau		Brad Hill		Cathy Propper	
Alissa Coes		Chris Hill		Dan Quintanar	x
Nick Parette	x	Kiril Hristovski		Channah Rock	
Patrick Cunningham		Anupa Jain	x	Shane Snyder	
Ron Eisele II		Myra Jefferson		Joli Weiss	

Panel Staff					
Henry Darwin		John Calkins	x	Molly Mullins	x
Mike Fulton	x	Mason Boliitho		Deborah Huie	x
Chuck Graf	x	Julie Hoskin	x		

Agenda:

1. Welcome and Introductions
2. Committee Updates
3. Committee Q & A
4. Presentation
 - a. Tim Thomure, President, WateReuse Arizona
5. Discussion Work Product / Deliverable Timeline
6. Call to Public/Next Meeting
7. Adjourn

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1) Welcome and Introductions

- a. Mike Fulton
 - i) Welcome to Tucson and many thanks to Pima County for hosting our third meeting
 - ii) Introductions made by going around the room

2) Approval of Meeting Minutes from previous meeting

- i) Meeting minutes were accepted and approved

3) Committee Updates

- a. Chemical Committee – John Kmiec
 - i) Short Presentation given on progression of Chemical Committee
 - (1) Power Point Presentation shown on how the committee is structured
 - (2) The chemical committee has had two meetings thus far
 - ii) What is expected of committee and how tied into APEC
 - (1) Unregulated contaminants are a broad topic.
 - (a) In an attempt to narrow down broad list of contaminants posed a few questions.
 - (i) What is important to state of AZ? What matters to citizens of AZ? What are we exposed to?
 - (b) How should we address the questions?
 - iii) A series of questions were focused on in regards to a breakdown of chemicals of interest
 - (1) What is it?
 - (2) Where was it found in AZ?
 - (3) Treatment techniques for removal or destruction of compounds?
 - (4) What is toxicity of it?
 - (5) Any associated compounds?
 - (6) Is there any active research being done on it or is it under EPA review?
 - iv) List of potential contaminants for study shown on screen
 - (1) List generated based on screening criteria that was referenced in the report “Development of Indicators”
 - (2) Private Sector generated their own list - shown on screen
 - (3) Other criteria and considerations for selecting contaminants
 - (a) Presence in impacted waters
 - (b) Analytical convenience
 - (c) Ability to measure
 - (d) Persistence
 - (e) Toxicity
 - v) Next Steps
 - (1) Define what role is in supporting APEC
 - (2) Guidance from APEC - current direction committee is headed is appropriate
 - (3) Define the suggested content for draft report
 - vi) Questions?
 - (1) Should we look at contaminants that are not on EPA radar yet?
- b. Microbial Committee – Jeff Prevatt
 - i) Microbial Contaminants list handed out
 - (1) The list of contaminants was shortened by looking at the most recent outbreaks and also based on what their presence is in AZ and adjoining states
 - (2) Based on that criteria, six contaminants were selected that had the most relevance and had the most serious consequences. Individuals from committee are gathering data on each one selected. Will come up with a BMP for each one
 - (a) Legionella – Channah Rock

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- (b) Mycobacterium – Jeff P Most common bacteria in chlorinated water. Likes warm water, subcutaneous injection of tattoo ink. Ink is not pasteurized.
- (c) Vibrio – huge outbreak after Katrina. People from Katrina dispersed into other parts of country. Some spread from workers.
- (d) Cryptosporidium – Chris Hill – Responsible for pool closures in PHX.
- (e) Reovirus – Jeff P seeing in groundwater and recharged ground water. Respiratory, neurological – not quite certain what all symptoms are
- (f) Clostridium difficile – Chuck Gerba outbreak at VA hospital. Outbreak in Finland in water.
- (g) Naegleria fowleri Five deaths attributed to it in last 5 years
- (3) Pull together BMPs and turn over to Dan's group
- ii) Questions
 - (1) Are they all water-born?
 - (2) List put together by members by: What we are seeing in AZ? What neighboring states seeing? If water-born origins, then we as utilities help out smaller communities with how they can react
 - (3) What data available to committee ? Looked at Health Dept, CDC, PSA's
 - (4) Cryptosporidium – already regulated. Resistant to chlorine. Put on list for recreation issues and swimming pools
 - (5) Four are warm water pathogens – elevated water temperatures more of concern in Aa because of high temps in summer. Bring greater risk to AZ and recreational waters. Make distinction between contact water and consumption of water. Need to identify them.
 - (6) Willing to look at CCL3 list? Specifically adeno?
- c. Education and Outreach Committee = Dan Quintanar
 - i) Notes shown on screen featuring progression of committee and work being done
 - ii) Met twice – 18 members on subcommittee
 - (1) Divided into 4 subgroups
 - (2) Subgroups have met at least once
 - (3) Success group developing survey
 - iii) Media brings a lot of attention to drinking water
 - (1) Why hasn't city protected us from x? AZ regs vs other states' regs
 - (2) NIHS looking at endocrine disruptors as a threat. Coming into national light
 - (3) Why hasn't AZ acted to protect ourselves from drugs in the water? Providing info, but not protection.
 - iv) Outcome from tactics group
 - (1) Identified 8 areas/groups to target with info that has been developed.
 - (2) Develop in English and in Spanish
 - (3) Ideas for outreach: BMPs, presentation and workshops, AZ Water, links to AOEC, social media, city channels, develop master FAQ list, get info out to rural areas, create a video contest to reach out to kids
 - v) Success group
 - (1) Developing survey to administer how to measure APEC "success"
 - vi) Consensus on how to move forward
 - (1) Move it from risk communication to safety communication. Give instructions on how to deal w/ risk. Things you can do to deal with the risk.
 - (2) Focus on what media is going to say.
 - (3) Looking at difference between how AZ is regulated vs how CA is regulated.
 - (4) Look at how to use social media to get info out there
 - (5) Workshop w/ safety focus
 - vii) Next steps – meet again as a group and start developing messages based on outcomes of today's meeting
- 4) **Presentation; (Presentation will be available on website for review)**
 - a. Potable water Reuse and the Steering Committee on Arizona Potable Reuse; Tim Thomure, President WaterReuse AZ
 - b. Potable reuse – A changing Conversation
 - i) Presentation shown on screen – available on APEC website
 - c. Questions
 - i) APEC serve as an advisory panel to the SCAPR product?

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- (1) What are threats or risks of emerging contaminants in DPR (direct potable reuse) and what strategies using on how to deal with them
 - ii) Is SCAPR developing for public perception and APEC supplementing it? Good for two committees to leverage resources.
 - (1) A lot of crossover between two committees but do not want to duplicate efforts.
 - (2) Committees are complimentary
- 5) **Break**
- 6) **Discussion Work Product/Deliverable Timeline;**
- a. Review to see if on track w/ original vision and what work product should be.
 - i) Reviewed and read Mission Statement that Panel agreed upon
 - b. Create BMP manuals
 - i) Research agenda could come out of it and what research priorities should be
 - c. Committee chairs looking for advice on how to proceed.
 - i) Looking to water providers and what would be useful to you to come out of Panel
 - ii) Develop responses that help utilities talk about concerns raised by the media
 - (1) Start w/ FAQ's first w/ questions utilities are hearing from public
 - (2) Integrate what we are doing now ie, researchers, ADEQ, water utilities, water associations. Let people know there is state-wide comprehensive movement to show what is being done and where we are at. Show that there is a multi-barrier approach to keep drinking water safe. Looking at issues all the time. Have been working on them since 70s.
 - iii) What does Panel think about shifting emphasis to safety communication?
 - (1) Give advice to what you can do to decrease risk. Give water customers tool to prevent problem. Some of the population is more at risk i.e., children and elderly at greater risk from some of microbes. Make customers responsible for helping keep their water quality better: Point of Use systems, run hot water thru taps, etc. Everyone contributing to Emerging Contaminants info. Customers part of solution. Educating people on our connectivity with water. Global responsibility with our water.
 - (2) Consider creating two different sets of BMPs? One for consumers and one for providers. Important to keep audience in mind.
 - (3) Goal - Develop BMPs for any of the contaminants if we have info to provide.
 - (4) Make safety focus and educating what consumers role is with emerging contaminants – there are measures people/users can do to keep contaminants out of water system.
 - iv) Chemical Committee – work on background/general information so that the public can be directed to find information and answer questions that they have. They need to have a place that they can go to quickly understand what some of the compounds are.
 - (1) Provide tools for small utilities so they are involved with and participate in water research
 - v) Develop statewide surveillance scheme
 - vi) Comment from Microbial
 - (1) A large percentage of outbreaks come from hotels, hospitals, medical clinics, etc and not from private residence. Offer business assistance to large entities to give them guidance and BMPs on how to avoid / prevent outbreaks from water-borne pathogens
 - vii) SCAPR interested in receiving and collaborating on BMPs from APEC
- 7) **Call to Public / Next Meeting**
- a. Will discuss w/ committee chairs to set up next meeting. Anticipate next meeting in a couple of months.
 - b. Standing agenda item - committee updates
- 8) **Adjourn:**
- a. 12:30 p.m.