

ADVISORY PANEL ON EMERGING CONTAMINANTS (APEC)

December 7, 2012, 10:00a.m.

ADEQ, 1110 W. Washington St, Phoenix, AZ 85007

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

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

Agenda;

1. Welcome
2. Introductions
3. Background Presentations
 - a. Intro to Emerging Chemical Contaminants – Dr. Shane Snyder
 - b. Intro to Emerging Microbial Contaminants – Dr. Chuck Gerba
 - c. Safe Drinking Water Act; Background and Standard Setting Process – John Calkins
 - d. Emerging Contaminants; Tucson Water's Approach – Dan Quintanar
4. Discussion
5. Expected Panel Outcomes; Presentation of Survey Results and Discussion
6. Next Steps: Panel Organization, Chairs, and Committees
7. Call to Audience
8. Next Meeting
9. Adjourn

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Friday, December 7, 2012 - Meeting # 01

- 1) **Welcome;**
 - a. Welcome by Mike Fulton, Water Quality Division Director
 - i) Stated that this is a great opportunity to move forward in addressing emerging contaminants.
 - b. Director Henry Darwin
 - i) Thanked panel members for agreeing to serve. Panel is a great opportunity to sit down and discuss an issue that is important to all Arizonans. Arizona has a history of being on the forefront of water issues. Arizona has a unique perspective in regards to water. All aquifers available for drinking water use. Arizona also was one of the first states in the country to have a reclaimed water permitting system. We want to make sure our water stays protected and this panel will be a step in that direction. Emphasized that this panel was not set up to anticipate new regulations.
 - ii) Hopes to see a healthy and productive discussion with respect to the impact of ECs and how to ensure that our waters remain safe. Would like to see guidance developed in regards with risk communication and if additional research is necessary. Would like to see development of best management practices to safeguard our water supply. Would like to see that public perceptions about water quality are improved. Noted that we are in a great position to succeed, considering the amazing wealth of knowledge present in the room.
- 2) **Introductions;**
 - a. Went around room and everyone introduced themselves. Individuals stated where they are from; who they worked for and why they were interested in serving on the panel.
 - b. Chuck Graf then introduced the first and subsequent presenters.
- 3) **Background presentations; (*Presentations will be available on website for review*)**
 - a. Introduction to Emerging Chemical Contaminants – Dr. Shane Snyder; University of Arizona
 - b. Introduction to Emerging Microbial Contaminants – Dr. Chuck Gerba; University of Arizona
 - c. Safe Drinking Water Act: Background and Standard Setting Process – John Calkins; ADEQ
 - d. Emerging Contaminants; Tucson Water's Approach – Dan Quintanar; City of Tucson
- 4) **Discussion;**
 - a. In order to stay on schedule, there was no further discussion
- 5) **Expected Panel Outcomes; Presentation of Survey Results and Discussion**
 - a. Chuck Graf presented the results of the survey that was sent out to the panel members about three weeks before this kickoff meeting. Many great and thoughtful responses were received from the panel members. Responses were organized into four basic categories. A handout compiling the responses was included in the packet for panel members. Mr. Graf summarized the responses in each category and highlighted a few common or especially noteworthy responses in each category. Please refer to the handout for the full list of responses.
 - i) Data compilation/ knowledge transfer
 - (1) Develop standardized list of CECs and acceptable laboratory methods for use by water utilities in assessing presence in source and finished waters.
 - (2) Achieve a consensus recommendation for a list of CECs that water providers may begin monitoring and reporting monitored levels to the public.
 - ii) Research
 - (1) Establish a consensus on research agenda for chemical and microbial contaminants appropriate to Arizona.
 - iii) Communication, Outreach, Education
 - (1) Develop a plan for public outreach education for communication about emerging chemical and microbial contaminants.
 - (2) Work to improve the public's understanding of the issues. Determine how to effectively communicate the realistic health risks to our customers (vs. public perception). It is important that water utilities are consistent in responding to customer concerns related to emerging contaminants.
 - iv) Policy Development
 - (1) Compile BMP's for water utilities and others that address and minimize impacts.

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- (2) Make no recommendations for any additional statutory or regulatory actions regarding CECs but participate in regulatory discussions with a common voice.
- v) Questions asked:
 - (1) Will PowerPoint presentations be available to the Panel?
 - (a) Answer is yes. The presentations will be sent out via e-mail distribution list and will eventually be put on the website.
 - (2) What does ADEQ want to get out of the Panel?
 - (a) Among other things, would like to develop a best management practices list that is useful for both ADEQ and facilities.
 - (3) Is BMP list going to be regulatory vs non-regulatory?
 - (a) The intent is for the BMP to be non-regulatory. There is an opportunity to learn from other states. We don't want to ignore scientific advances that might be helpful.
- vi) ADEQ displayed a draft mission statement on the screen and requested feedback to develop it into a formal statement
 - (1) Draft mission statement
 - (a) To provide guidance on:
 - (i) Identifying and managing unregulated chemical and microbial contaminants in Arizona's water so as to minimize risk to human health and the environment.
 - (ii) Identifying research opportunities to improve our understanding of emerging contaminant issues.
 - (iii) Effectively communicating emerging contaminant issues to the public.
 - (iv) Establishing an authoritative voice for addressing emerging contaminants on a statewide basis and contributing to the national discussion.
 - (2) This preliminary mission statement will be sent out to panel for additional feedback and will be on the next meeting's agenda
 - (i) Suggestion made for the third mission statement item:
 - 1. A model communications package would be helpful; also it would be beneficial to get universities on board with it.
 - (ii) Suggestion made for the third mission statement item:
 - 1. Modify language to state that this is for the citizens of Arizona (as opposed to just the public).
 - (iii) Suggestion made for the first mission statement item:
 - 1. Add development of a list and prioritization of unregulated contaminants.
 - (iv) Suggestion made for addressing community fear which could lead to over regulation.
 - 1. Indicate that the emphasis for Panel is to develop best practices, not look for a regulatory outcome.
 - (v) Question was asked about ADEQ meant by "authoritative voice" in vision statement item four?
 - 1. By establishing a consensus of opinion drawn from the varied backgrounds of panel members, the panel would become a voice that carries much weight.
 - 2. The panel could be an influential player both locally and nationally to get the word out.
 - (vi) Question was asked if the Panel should address private well owners in addition to public water systems.
 - 1. It would be advantageous to keep this sector informed as well.
 - (vii) Question was asked if there would be an opportunity to talk to the companies that are making the personal care products that are creating the contaminants as these stakeholders are not in the room
 - 1. It was suggested that it would be beneficial to identify other stakeholders that are involved with the issue would benefit from outcomes of the Panel.
 - (viii) Suggestion was that we should consider changing from "emerging contaminants" or contaminants of emerging concern" to "unregulated contaminants" as "concern" is relative term that is hard to quantify.
 - (ix) Suggestion made that the first item in mission statement should use common language so that the lay person can better understand it. Do not want the mission statement too technical for general understanding.

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- (x) Question asked about second mission statement item from mission statement:
 - 1. Where will money come from?
 - a. Answer is that it will be necessary to find ways of working together and collaborating to identify funding opportunities and work thru financial obstacles.
 - b. However, the development of a research agenda will improve the chances of obtaining funding for research and will improve the chances of collaboration among stakeholders. Entire water community needs to be engaged.
 - 2. A comment was made that research happens and results are produced faster if funding is not locked into federal research monies.

- 6) **Next Steps: Panel Organization, Chairs, and Committees;**
 - a. Next step will included discussion on how to organize ourselves as a Panel?
 - i) For example, should we break into three committees, focusing on public outreach, chemical contaminants, and emerging microbial threats?
 - b. Goal of Panel is to finish up within one year
 - c. Question asked if there will be a deliverable at the end of the year.
 - i) White Paper will most likely be created. Other work products will likely come out as well to aid utilities, ADEQ, and community at large.
 - ii) Would also like to see a solid research agenda developed.

- 7) **Call to Audience;**
 - a. No questions or comments from public.

- 8) **Next Meeting;**
 - a. Approximately 6 weeks out. ADEQ will send out notification.

- 9) **Adjourn;**
 - a. Panel members offered different venues for future meetings – Flagstaff, Tucson, etc
 - b. Meeting adjourned at 12:25