

Comments submitted via email by Dr. Bredfelt and read into the record by Dr. Shallal, the DFO, during the meeting.

From: [Tiffany Bredfeldt](#)
To: [Shallal, Suhair](#)
Subject: RE: SAB CAAC meeting
Date: Thursday, September 28, 2017 10:21:16 AM

Hey Sue,

From yesterday, I heard a number of redundant comments from people that seemed to have quite a bit of information about the various software being applied (newly, in some cases) to assessments. At the TCEQ, we have also begun to use these software, particularly HAWC. In my experience, utilization of these tools has a learning curve. It is also a bit more time consuming up front in the process of an assessment. That said, having the ability to document in great detail the approaches used in an assessment and the various key studies and wonderful automated tools to generate graphics all in one place is powerful and useful. I would think it is an excellent choice to apply a tool such as HAWC to assessments to document decisions. It strikes me that this approach is very transparent. It can be easily shared with appropriate parties and makes collaboration with various colleagues quite simple.

Comments:

1. The approaches need to be evergreen, and in that way, able to be dynamically updated if and when newer data is available to update an assessment.
2. There may be issues to consider in the area of security. It may be necessary to take extra steps to secure the data and back it up in a secondary location.
3. I am not sure how proprietary data or trade secret data can be linked to the appropriate assessment unless it is in a secondary space. It will be important to have ways to keep these data together, particularly when you have a data rich chemical.
4. To be sustainable, the clouds and data storage tools need to be capable of expansion as more and more data are uploaded and archived.
5. Guidance document for these new approaches do need to be subjected to external review and public comment.
6. Scientific judgement will always be a part of assessments regardless of how the data is documented and archived.
7. Problem Formulation and Specific Aims approaches appear transparent and appropriate.
8. It would be nice to see more opportunities for harmonization of the ways that data is presented. This includes how original data is presented.
9. It is unclear what uncertainties arise in the use of the various tools versus traditional approaches. In both approaches, one would find uncertainties. However, it would be nice to characterize potential pitfalls and uncertainties in newer approaches, particularly if they vary from the traditional approaches.
10. It may take time and effort to get "buy in" from the field as a whole. I think the new tools being used particularly for systematic review are powerful and should be more widely used.

Okay. Those were my preliminary thoughts and comments. I will follow up with more later.

Thanks,
Tiffany

From: Shallal, Suhair [mailto:Shallal.Suhair@epa.gov]
Sent: Thursday, September 28, 2017 8:50 AM
To: Tiffany Bredfeldt;

Subject: SAB CAAC meeting

Please send me an email if you are participating via teleconference.

Sue