

**Alliance for Risk Assessment (ARA) Project: 1,4-Dioxane Analysis**  
**6 November 2016**  
**1:30-2:30 PM EST**

**SUBJECT:** Initial Project Conference Call

**Attendees:**

- Toxicology Excellence for Risk Assessment (TERA) Center, University of Cincinnati
  - Michael Dourson
  - Patricia Nance
- Kentucky, Department of Environmental Protection (arrived after start of the call) (KY DEP)
  - Jeri Higginbotham
- Texas, Commission on Environmental Quality (TCEQ)
  - Shannon Ethridge
- Missouri, Department of Health and Senior Services (MO DHSS)
  - Barbara Sassi
  - Dennis Wambuguh
  - and colleagues
- Hamp, Mathews & Associates, Inc. (HMA)
  - Jeff Crum
- Waste Management
  - Chris Prucha
- Environmental Resources Management (ERM)
  - Nadine Weinberg

**Minutes:**

1. Each group introduced themselves and stated their interest in 1,4-dioxane. All parties either are directly involved or have clients with sites involving 1,4-dioxane as a potential chemical of concern (COC).
2. Michael Dourson gave a brief overview of the Alliance for Risk Assessment (ARA) and how requests for projects are submitted, reviewed and accepted by the ARA Steering Committee. More information on the ARA can be found at [www.allianceforrisk.org](http://www.allianceforrisk.org)
3. Michael Dourson then did a brief review of the project website (<http://allianceforrisk.org/14-dioxane-analysis/>) and then asked for any questions regarding the information on the website.
  - a. After some questions, answers and discussion, it was agreed that additional information was needed to provide a clear objective and purpose of this project. It should answer the questions: Where is this heading? What do we hope to accomplish? It should provide background information as to why toxicity values have or should change and what the exact support for that is. It was also noted that it should be written in a plain language format so that any administrator or nonscientific person could understand.

- i. TERA agreed to draft an objectives and purpose text and submit to all parties for review
  - b. It was also suggested that the external peer review comment period from 2012 be added to the timeline.
    - i. TERA agreed to have this added to timeline on the website
4. Patricia Nance discussed the interactions with the Japanese government agency that provide the full oral study on 1,4-Dioxane. She noted they have been extremely helpful and responsive and would probably be open for further collaboration.
  - a. After some questions, answers and discussion, the next steps were to ask our Japanese colleagues for either additional pictures or slides of the mouse liver; if they are not willing to send either additional pictures or slides, then TERA was to ask for permission for a site visit from a pathologist to re-read these slides.
  - b. TERA was also asked to have them clarify the change in their histopathology reporting between Yamazaki et al. (1994) and Kano et al. (2009), especially since these differences were not evident in the translated laboratory reports of the study.
    - i. *“The hepatic hyperplasia of rats and mice diagnosed in the previous report (Yamazaki et al., 1994) was re-examined histopathologically and changed to hepatocellular adenomas and altered hepatocellular foci including acidophilic, basophilic and clear cell foci in the present studies, according to the current diagnostic criteria of liver lesions in rats and mice (Mohr, 1997; Deschl et al., 2001).” – cited from Kano 2009*
5. Michael Dourson then discussed a possible timeline for the continuing steps. It was noted that a request and completion of the reanalysis of the slides would take 1-2 months (by January 2016) and then a final reanalysis of the data for publication would be completed by early spring (March 2016). Total project time: 5 months.

#### Action Items:

- TERA to develop list of project objectives in a bulleted list
- TERA to add additional events to project timeline, including EPA’s External Peer Review
- TERA to add list of sponsors, supporters, etc. to website; will be requesting corporate logos from all organizations
  - Current sponsors as of 6 November 2015:
    - Kentucky, Department of Environmental Protection
    - TERA Center, University of Cincinnati