

TSCA/iPCB/Green Chemistry Workgroup Meeting Summary
October 6, 2021

TSCA Members in Attendance

Vikki Barthels (SRHD)	Doug Krapas (IEP)
Lindsay Box (The Lands Council)	Robert Mott (Mott Consulting, LLC)
Scott Braithwaite (ACA)	Cheryl Niemi (Ecology)
David Darling (ACA)	Elsa Pond (WA DOT)
Jeff Donovan (City of Spokane)	Karl Rains (Ecology)
Lara Floyd (White Bluffs Consulting)	Chelsea Updegrave (The Lands Council)
Lauren Heine (NW Green Chemistry)	Lisa Dally Wilson (Dally Environmental)
Gary Jones (Printing United Alliance)	

Guests: David Dilks, LimnoTech & Technical Advisor for the SRRTTF

iPCB/TSCA Agenda Items Discussed: Note that the prior annual historical discussions for this workgroup can be found in the May, 2021 meeting minutes

- 1. WA HHWQC Lawsuits: Action: D. Krapas and others (i.e.: Ecology) to provide any updates on the following lawsuits**
 - a. No updates since the prior meeting minutes

- 2. Update on PCB EPA Method 1668 study of TiO₂ Pigments: Action: J. West & M. Ober to continue providing updates on the TDSC project**
 - a. The workgroup discussed the presentation of results of the TiO₂ study by Jay West of the American Chemistry Council at the September 22, 2021 SRRTTF Advisory Committee Meeting (see attached: 2021-0922_TiO₂_SRRTTF_Presentation.pdf).
 - b. A list of questions was received by members of the workgroup that were provided to the workgroup in an email from D. Krapas on October 5th.
 - c. The workgroup further developed this list of questions that will be provided to the TDSC and the ACC for consideration. **Action Item: D. Krapas to compile and submit list of questions to the TDSC and the ACC for consideration:**
 1. A final report or whitepaper of the project results must be provided to memorialize this study
 2. We really need to see the range, high and low values; it is not sufficient to see just the median and average; it was noted that when the average is much higher than the mean, that means there are high values; this should not give us any insight into the producers of the high and low values
 3. Confirm that all samples are from North America?
 4. Confirm that all of the samples studied used the chloride process and if any used the sulfate process
 5. What process controls (if any) are used to reduce PCB levels in TiO₂?
 6. Are there ways to reduce the amount of iPCBs formed?
 7. Are there ways to remove the PCBs that are formed from the product before it is sold?
 8. Have these processes changed over time?
 9. What specific congeners were associated with the TiO₂ processes?

10. What percentage of overall domestic consumption do the TiO₂ samples studied represent?
- d. Dr. Mott provided some background on the chlorinated process that allowed production of TiO₂ using lower grades of minerals. The chlorinated process was patented by one chemical company and licensed for use to other companies. The patent has since expired.
 - e. The iPCB/TSCA workgroup will continue to discuss the implications of the study on the Spokane River watershed and determine any next steps. **Action Item: iPCB/TSCA workgroup to consider next steps**

3. Education/Outreach: Action: The Lands Council is to provide updates on the iPCB National Outreach Campaign project:

- a. Chelsea Updegrave presented the final draft of the iPCB National Campaign website to the workgroup for review (Access the site here: www.ipcbfree.org using Password: thelandscouncil)
- b. The Lands Council will accept final comments from the workgroup members until October 15th and will present the final draft to the SRRTTF Advisory Committee at the October or December meeting based on extent of comments and progress. **Action: iPCB/TSCA Workgroup members to provide comments**
- c. David Darling and Gary Jones expressed concern that industry comments previously submitted were not taken into consideration and will be resubmitting these and other comments to the latest draft of the website.

4. 2021 Proposed Projects: Action: D. Krapas to provide updates

- a. **PCB-11: Sources and Pathways to the Spokane River:**
 - David Dilks provided additional insight subsequent to his presentation of this project to the TTWG and the iPCB/TSCA workgroups. Suggestions from Dilks and the iPCB/TSCA Workgroup for the next phase of this project include:
 - Stormwater inputs via Drywells
 - Mass Balance Assessment
 - Screening Assessment
 - Review of prior Atmospheric Loading Studies, including the Waste-to-Energy Plant impact
 - More robust sampling pattern
 - Groundwater Assessment (GW during low flow sampling contributes a greater percentage to overall input)
 - Potential for PCBs in Fertilizer (Gonzaga reference)
 - Breakdown of higher level congeners/Aroclors to PCB-11
 - **Action Item: iPCB/TSCA & TTWG workgroups need to continue to develop next step projects to identify unknown sources of PCB-11 to the Spokane River watershed**

- b. ***Lower Procurement Limits Campaign, Phase 1: 3rd Party Research Effort:***
 - D. Krapas received only one proposal from Braided River Consulting
 - This proposal will be presented to the SRRTTF at the October meeting for approval. **Action Item: D. Krapas to get onto the SRRTTF agenda for approval**
 - c. ***Develop Industry List of Pigments: Chlorinated vs. Non-Chlorinated:***
 - D. Krapas received proposals from the following organizations:
 - Gonzaga
 - ChemForward
 - Non-Toxic Certified (MadeSafe)
 - d. Next steps for evaluation and selection of the successful bidder on the ***Develop Industry List of Pigments*** project, is to form a small selection committee comprised of a cross-section of SRRTTF representatives that have an understanding and interest in these projects. Recommendations from the selection committee will be provided to the SRRTTF for approval at the December meeting. **Action: D. Krapas to form selection committee and distribute materials for consideration**
5. **Safer Products WA: Action Ecology, C. Niemi and C. Manahan to continue updates**
- a. C. Niemi reported that Ecology is required to provide a draft report to the legislature by June 1, 2022. This report will include regulatory action determinations for the current priority chemical classes, including PCBs in paints and printing inks.
 - b. Ecology intends to have a draft document out for public comment by mid-January, 2022
 - c. A public webinar will be held sometime in November or December, 2021
6. **TTWG and Funding Groups: Action L. Dally Wilson & K. Rains to provide updates**
- a. L. D. Wilson reported that a TTWG meeting has been scheduled for November 3rd from 11:00 AM to 1:30 PM. Items of interest to the iPCB/TSCA workgroup include discussions on Phase 2 of the PCB-11 Sources and Pathways to the Spokane River and revisiting the Comprehensive Plan.
7. **EPA research opportunities: Action EPA updates by M. Mullin & L. Edmondson**
- a. No EPA representatives were present to provide updates on the following EPA projects:
 - iPCB Key words for Scholarly Articles
 - Children's Product Testing
 - b. **NTP risk study of various Congeners and Aroclors:**
 - At the July meeting, the SRRTTF approved the development of a letter to EPA requesting a status update on the NTP toxicity evaluation of PCB congeners 11, 95, 126, 153 and Aroclors 1016 and 1254 due to a commitment to the SRRTTF made by EPA (ref. Letter from EPA Region 10 Director Chris Hladick to the SRRTTF c/o Adriane Borgias, dated September 24, 2018). **Action D. Krapas and B. Floyd to develop a draft for SRRTTF consideration**