



Structural Remediation Committee Report April 20, 2015

Chair, Derrick Lastinger (GA)

Committee members: Dave Scott (IN), Cary Giguere (VT), Russell Kohler (MS), Clint Shettle (VA), Chad Carpenter (WV), Irene King (NM) and Amy Mysz (US EPA)

The ASPCRO Structural Remediation committee submits the following report for the 2015 Board of Directors mid-year meeting.

On April 1st, Derrick Lastinger met with NPIC and EPA HED through teleconference regarding an update on their draft decontamination after indoor pesticide use fact sheet. US EPA has expressed some concern that the guidelines are not planned to be chemical-specific. NPIC asked if there was interest in ASPCRO SRC reviewing the draft fact sheet. Kaci Buhl (NPIC) indicated that a comment-worthy draft could be ready by the end of May.

Amy Mize with US EPA Region V provided the following update:

There are 2 EPA projects underway headed by Region 5, multiple offices and laboratories within the Office of Research and Development (ORD), and the Office of Solid Waste and Emergency Response (OSWER), with contract support and other collaborators. Both studies are focusing on 5 pesticides commonly misused indoors: malathion, carbaryl, fipronil, permethrin, deltamethrin. Most of the studies are conducted using solutions from pure chemical, but formulated products are used for some phases of each study.

1. A two year project (2012–2014) on developing sampling and modeling approaches to evaluate surface residues, and evaluating the efficacy of decontaminants on pesticide contaminated surfaces. I described this project and summarized some of the results at the last annual meeting. The rest of the decontamination and dissipation studies are now complete and we're analyzing the data. The user interface for the indoor fate and exposure model is still under development.
2. A three year project (2014–2017) evaluating surface wipe sampling variables. ASPCRO provided a letter of support for this project, and helped solicit input from members that helped make study design decisions regarding wipe material and solvents. 3 Phases of this project are complete for 2 pesticides (malathion and carbaryl). In phase 1, wipe type and wetting solvent were evaluated using 3 different wipe materials

and 2 solvents (acetone and isopropyl alcohol (IPA)). The wipe materials were pre-cleaned cotton twill, cotton gauze and an IPA pre-wetted wipe. In phase 2, twill and gauze wipes wetted with IPA were used to investigate high and low concentrations and the number of wipes needed for surface recovery. The best performing wipe-solvent combination (cotton twill wetted with IPA) was used in the 3rd phase to test performance on 3 surfaces. More details and results are attached. These experiments are being repeated with other target pesticides.

The committee last met during a breakout session at the annual conference program. Irene King discussed the swipe project on service vehicles and schools. Marcia Duke with NPMA offered to research current structural remediation resources in the regulated community including Servicemaster.

Future activities

- Consider planning a face to face working meeting to review and discuss current resources and draft guidelines.
- Develop a roadmap for SLA's to use as a guideline when responding to incidents.
- Request funding to facilitate a meeting.
- Invite Kaci Buhl (NPIC) to participate.
- Review and consider commenting on the NPIC Fact Sheet.
- Discuss and consider engaging the association of certified industrial hygienists and should we engage? www.aiha.org/

Respectfully submitted,



Derrick Lastinger, Chair & ASPCRO Past President