

Operational Use of Liquid Larvicide Workshop Minutes

Florida Mosquito Control District
Marathon Office
503 107th Street
Marathon, FL 33050

May 19, 2020 1:30 am (approximate)

The Board of Commissioners of the Florida Keys Mosquito Control District held a Workshop on Tuesday, May 19, 2020.

Present Were: Phillip Goodman, Chairman; Dr. Stanley Zuba, Vice-Chair, Brandon Pinder, Secretary/Treasurer; Tom McDonald, Commissioner; Jill Cranney-Gage, Commissioner; Andrea Leal, Executive Director; Dirk Smits, Board Attorney.

Employees Present: Mikki Coss, Director of Operations; Bruce Holden, Financial Director; Chad Huff, PEIO; Chrissy Bloxom, Executive Assistant; Catherine Pruszynski, Research Biologist; Heidi Murray, Research Biologist; Michael Boehmler, Research Biologist.

Invited Guest Present: None

Community Input: None

Approval of Agenda: Hearing no changes, the agenda was unanimously approved.

Chairman Goodman stated that this workshop has been called to review the operational use of liquid larvicide within the District.

Discussion:

- Director Leal addressed the Board to provide a better understanding of the research that has been completed for the use of liquid larvicide. She introduced FKMCD Research Biologist, Michael Boehmler, who gave a presentation on the use of BTI (*Bacillus thuringiensis israelensis*). He discussed the history of BTI, its purpose, downfalls, and the benefits of using BTI as a form of treatment.
- Director Leal introduced FKMCD Research Biologist, Catherine Pruszynski, who gave a presentation on aerial larviciding using WDG (Water Dispersible Granule). She discussed using WDG as a tool to control *Aedes aegypti*. She discussed breeding sites, the WDG granules, bioassays completed, aerial missions completed, results from the BG Trap and Ovitrap collections and publication of the research article she worked on titled "A Large Scale Biorational Approach Using *Bacillus thuringiensis israeliensis* (Strain AM65-52) for Managing *Aedes aegypti* Populations to Prevent Dengue, Chikungunya and Zika Transmission".
- Director Leal introduced FKMCD Research Biologist, Heidi Murray, who gave a presentation on ground WDG application. She discussed the A1 Mist Sprayer that is used for smaller areas, field trials completed, test samples, Larval Bioassays, Kromekote cards and larval mortality.

Director Leal gave additional information on the use of liquid larvicide. She discussed the use of drones.

ADJOURN: There being no further business to come before the Board, the workshop was adjourned.

Respectfully submitted,

*Andrea Leal
Executive Director*

*Board of Commissioners
Florida Keys Mosquito Control District*

Phillip L. Goodman, Chairman

Brandon Pinder, Secretary-Treasurer

For additional information, please refer to www.keysmosquito.org.