

**MINUTES OF THE  
SALT LAKE CITY MOSQUITO ABATEMENT DISTRICT  
16 March 2023  
BOARD MEETING**

Presiding: Carlton Christensen, Board Chair 2023

Time: 12:33 p.m.

Place: 2215 North 2200 West, Salt Lake City, UT 84116

Trustees Present: Carlton Christensen, Chair (Left after Item 8)  
Dr. Shireen Mooers, Vice-Chair  
Amanda Barth  
Van Turner  
Neil Vickers, Ph.D.

Others Present: Ary Faraji, Ph.D., Executive Director  
Gregory White, Ph.D., Assistant Director  
Aleta Fairbanks, CPA, CFO  
Christopher Bibbs, Ph. D., Laboratory Director (Attended during Item 4)  
Jenna Crowder, State Apiary Inspector, Diagnostic Entomologist,  
Utah Department of Agriculture and Food (Left after Item 4)  
Gunter Muller, Ph.D., University of Bamako, Mali (Left after Item 4)  
Michele Rehbein, Ph.D., Education Specialist (Attended during Item 4)  
Edita Revay, Ph. D., University of Haifa, Israel (Left after Item 4)  
Ilia Rochlin, Ph.D., EntoStat, LLC (Left after Item 4)

**1. Roll Call:**

Trustee Christensen called the meeting to order at 12:33 p.m. It was confirmed that the meeting was being recorded, and the Trustees had no conflicts of interest. Executive Director Faraji welcomed Jenna Crowder and introduced Gunter Muller, Edita Revay, and Ilia Rochlin (who was attending the meeting virtually) to the Trustees.

**2. Approval of the 16 February 2023 Minutes of the Board of Trustees:**

The Board Members were provided an opportunity to review the pending minutes of February's regular Board Meeting prior to this meeting, and the suggested modifications had been made. Trustee Mooers made a motion to approve the 16 February 2023 Board

Meeting Minutes. This motion was seconded by Trustee Turner, and it carried with all in favor.

**3. Presentation of the February 2023 Financial Statements and Approval of Bills for Payment:**

Copies of February's Financial Statements had been distributed to the Trustees before the Board Meeting. CFO Fairbanks reviewed the Financial Statements with the Trustees; all expenditures were presented, with special attention being paid to items over \$1,000. Documentation for all payments had been reviewed when the checks were signed; the Balance Sheets and a folder containing all of the supporting invoices were also made available. Trustee Barth made a motion to approve the February 2023 Financial Statements and the bills for payment, and her motion carried unanimously after being seconded by Trustee Vickers.

**4. Presentation from Jenna Crowder & Dr. Ilia Rochlin on Honey Bees and Aerial Adulticide Applications:**

Jenna Crowder briefly went over the slides from the presentation she had previously given to the Trustees on why and how she had conducted her project to determine if aerial ULV naled applications have a negative impact on honey bee colony health in wetland habitats of the Salt Lake Valley where the District conducts adult mosquito control applications. She then invited input from Dr. Ilia Rochlin (the biostatistician who analyzed the data from her project) as she explained the slides containing the results of her research. There wasn't sufficient data to allow a direct correlation between the naled treatments and bee mortality. The data was not robust for analysis because of two main reasons: the hives were not placed in the field until mid-July, and two of the control (non-intervention) sites became exposed to naled when opening the Prison necessitated additional abatement efforts in that area.

The Trustees agreed that Jenna Crowder should proceed with her project in 2023, and they suggested looking at other variables that could have an impact on bee productivity and mortality, such as temperature, precipitation, and prior hive exposure to insecticides in other locations (California orchards, for example). Ms. Crowder would like to collect before-after-control-impact (BACI) data so that the accuracy in quantifying impacts is increased. The preferred timeline, if at all possible, will have hive placement occur in May, and the study will include at least four control and four exposed sites.

**5. Discussion and Approval of Policies and Procedures Amendments:**

All of the policy amendments were presented to the Board Members. Changing "his/her" to "their" was requested, and other preferred modifications to the document were made by the Trustees during the Board Meeting. Trustee Mooers made a motion to approve the Policies and Procedures amendments made at the 16 March 2023 Board Meeting. This motion was seconded by Trustee Vickers; Trustee Turner had to briefly step out of the meeting, but the motion carried with a unanimous vote by the remaining Trustees.

**6. Discussion and Approval to Cancel Previous Credit Cards and Pursue New Credit Cards:**

A summary of the 2022 Visa Zions Commercial Credit Card purchases, including the Revenue Share Calculation, indicated that the District spent \$488,952.99 and received a rebate of \$3,699.47. This is an undesirable return of less than 0.76%! The Trustees were given information on the thirteen best cash back credit cards, along with their individual terms and cash back percentages. The Wells Fargo Active Cash Card provided a consistent 2% cash back. An exclusive offer from Capital One Business, offering a 2% cash back on every purchase, was also received in the mail. Although the Capital One Spark Cash Plus World Elite Mastercard for Business has a \$150 annual fee, it also touts a \$1,200 one-time cash bonus and a \$200 cash bonus every year if \$200,000 or more is spent. In addition, Amazon provides a 5% rebate on all Amazon purchases if charged on an Amazon credit card when the account has an eligible Prime membership. In addition to the two credit cards offering a 2% cash rebate, the Board recommended also looking into State Contract's and U.S. Bank's credit card options. It's preferred that management has the flexibility to restrict purchase categories and assign spending limits for individual employees.

Trustee Barth made a motion to approve the actions of canceling the existing credit cards with Zions Bank, to pursue opening an Amazon credit card for Amazon online purchases, and to investigate and open employee credit cards with the company that provides the best rebates for the District, including investigating cards with U.S. Bank, cards with the State Contract, and cards with those companies presented at today's Board Meeting. This motion was seconded by Trustee Mooers and passed with all in favor.

**7. Legislative Update:**

The Trustees had been provided with a list of House and Senate Bills that may directly or indirectly affect the District. Unfortunately, Senate Bill 127 on Cybersecurity Amendments was passed. This Bill requires governmental entities in the State to use an authorized top-level domain by 1 January 2025. It will be necessary for the District to go through the expense of changing our website and all emails.

**8. Update on Architectural Services RFQ:**

So far, seven firms have shown an interest in responding to our RFQ. Today is the last day to submit questions and their final statement of qualifications; MOCA will respond to the questions and post the answers on the Utah Public Procurement Place (U3P) and the Public Notice Websites. A short list will be selected by 29 March 2023, and a pre-proposal meeting will be held 6 April 2023. The Notice of Intent to Award will be scheduled for 26 May 2023, which will allow the Trustees to approved the selected architectural firm at the May Board Meeting on 25 May 2023.

**9. Report on Attended and Reminder/Approval of Upcoming Training/Meetings:**

Trustee Christensen left at 2:57 p.m. after asking Trustee Mooers to conduct the remainder of the Board Meeting.

- **Clarke Mosquito Control Appreciative Inquiry, 14-16 February 2023**

Assistant Director White attended the Clarke Mosquito Control Appreciative Inquiry meetings in Chicago, Illinois. This strategic planning event is held every three to five years in order to discuss product development and to identify areas where improvements can be made. Hopefully, the exchange of information at this meeting will help define the direction mosquito control will go in the future.

- **Judge Memorial High School Presentations, 15-16 February 2023**

Laboratory Director Bibbs and Education Specialist Rehbein taught classes at Judge Memorial High School for a full day on 15 February 2023 and also the morning of 16 February 2023. They included a variety of mosquito biology, mosquito ecology, mosquito surveillance, and CRISPR techniques.

- **Northpoint Consolidated Irrigation Company, 23 February 2023**

The District hosted the Northpoint Consolidated Irrigation Company in February. They appreciated the use of our facility; opening our doors to different organizations is not only great for the community, but it also promotes positive relationships and increases our collaborative efforts.

- **American Mosquito Control Association, 27 February – 3 March 2023**

Executive Director Faraji, Assistant Director White, Laboratory Director Bibbs, Education Specialist Rehbein, and Urban Field Supervisor Sorensen were all able to attend and present on a variety of topics at the AMCA Annual Meeting this year. This meeting is always an enlightening experience for everyone who participates in the conference, and the Board was highly encouraged to attend next year's meeting. Unfortunately, Trustee Vickers was unable to attend and present at this year's meeting due to an urgent family issue.

- **Utah Pest Management Association (UPMA), 14 March 2023**

UPMA invited the District to speak at their meeting, and Education Specialist Rehbein presented on our operations.

- **Lakefront Waterfowl Club, 18 March 2023**

Hosting the Southshore Water Management Association and the Northpoint Consolidated Irrigation Company's meetings led to a request to hold the Lakefront Water Fowl Club's meeting on 18 March 2023.

- **DSLASA, 23 March 2023**

The Davis-Salt Lake Spray Authority's quarterly meeting will begin at 5:00 p.m. at the District on 23 March 2023. Further information for the meeting will be sent to Trustees Liddle and Vickers early next week.

- **Anastasia Mosquito Surveillance and Control Workshop, 28-30 March 2023**

Executive Director Faraji, Education Specialist Rehbein, and Laboratory Director Bibbs will be attending and presenting at this workshop.

- **PacVec COE, 6-7 April 2023**

Trustee Vickers will be attending the Pacific Southwest Center of Excellence in Vector-Borne Diseases Annual Meeting in person, and Laboratory Bibbs will also attend the meetings virtually.

- **Utah Public Health Association (UPHA), 13 April 2023**

UPMA has invited Education Specialist Rehbein to speak at their annual conference meeting this year.

- **Florida Fly In, 18-20 April 2023**

Executive Director Faraji, Education Specialist Rehbein, and Urban Field Supervisor Sorensen will be attending this conference at Lee County Mosquito Abatement District. Education Specialist Rehbein will also spend time with the outreach and education staff of Lee County.

- **AMCA Washington Day, 15-17 May 2023**

The AMCA Washington Day event is the legislative day when we get to meet with our federal representatives on Capitol Hill in Washington D.C. and discuss issues that impact public health and vector control. The CDC, EPA, and the FAA will also be attendance, and the Board was encouraged to attend this meeting as well.

## 10. **Executive Director's Report:**

The Board Members were given a brief update on the following: 1) This month's Director's Report contains an interesting article that features Trustee Barth! This is an informative article on insects and their legal protection. The Board was encouraged to read it in detail if they had not done so already. 2) Assistant Director White and Laboratory Director Bibbs have been conducting interviews for our future Biologist. These will be finalized in the upcoming week, and then the top candidate will be contacted. 3) There was a fear that the recent warmer temperatures would result in increased mosquito activity, so the incoming storms are very appreciated. 4) The Board Members have already met Günter Müller and Edita Revay, who are staying in our dormitory. 5) We have no further information

on the grants. Our attorney has indicated that she should get something to us shortly. 6) We are still working on ideas to help the Prison. Gunter Muller gave us some input that may be helpful, particularly in regards to the use of attractive-toxic sugar baits and mechanical traps for tabanid flies and biting midges. 7) All of the facility modifications have been satisfactorily completed, including the recent electrical modifications. 8) At a cost of \$4,000 - \$5,000 per sample and potential initial setup costs exceeding \$30,000, PFAS testing is a lot more complicated and expensive than we originally anticipated. Council Staff Sam Owen has been informed that this testing is well beyond our scope, and he will let the Salt Lake City Council know that the District is unable to conduct any testing at this time. Executive Director Faraji has contacted the manufacturing companies and requested that they perform independent testing on a regular basis and provide the findings to the District and other end users. 9) An individual from the Salt Lake City Council approached Executive Director Faraji concerning our board appointments, and he explained that we had already communicated about the term expiration last December and the Council staff members are currently working on this. Trustee Vickers has completed his application for reappointment, and we are waiting for the Council to take action.

**11. Probable Agenda Items for 13 April 2023 Board Meeting:**

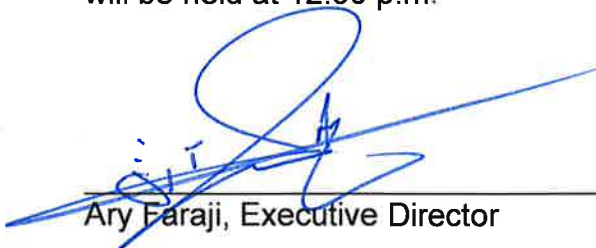
- Construction / RFQ Update
- Executive Director's Report
- Grant Approval Policy
- Grants Update
- Personnel Update

**12. Public Comment:**

There were no members of the public present at this time.

**13. Adjournment:**

Trustees Barth and Turner made and seconded a motion to adjourn the meeting at 3:12 p.m., which passed unanimously. The 13 April 2023 Regular Monthly Board Meeting will be held at 12:30 p.m.

  
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Ary Faraji, Executive Director

13 APR 23  
Date

  
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Carlton Christensen, Chair 2023

13 APR 2023  
Date