

**MINUTES OF THE  
SALT LAKE CITY MOSQUITO ABATEMENT DISTRICT  
15 September 2022  
BOARD MEETING**

Presiding: Van Turner, Board Chair 2022

Time: 12:30 p.m.

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

Trustees Present: Van Turner, Chair  
Carlton Christensen, Vice-Chair (Attended Virtually; left the meeting  
at 1:50 p.m. after Item 4)  
Amanda Barth (Attended Virtually)  
Dr. Shireen Mooers

Trustees Excused: Neil Vickers, Ph.D.

Others Present: Ary Faraji, Ph.D., Executive Director  
Gregory White, Ph.D., Assistant Director (Left after Item 2)  
Aleta Fairbanks, CPA, CFO  
Christopher Bibbs, Ph.D., Laboratory Director / Entomologist (Left  
after Item 2)  
Michele Rehbein, Ph.D., Education Specialist / PIO / Safety Officer  
(Left after Item 2)  
Mike Browning, Commercial Beekeeper, Browning Honey (Left after  
Item 2)  
Joey Caputo, State Apiary Inspector, Survey Entomologist, Utah  
Department of Agriculture and Food (Arrived at 12:46 p.m.; left  
after Item 2)  
Jenna Crowder, State Apiary Inspector, Diagnostic Entomologist,  
Utah Department of Agriculture and Food (Left after Item 2)  
Kris Watson, Manager, State Entomologist, Utah Department of  
Agriculture and Food (Left after Item 2)  
Rhonda Devereaux, Salt Lake City Resident (Left after Item 2)

**1. Roll Call:**

Trustee Turner called the meeting to order at 12:30 p.m. It was confirmed that the meeting was being recorded, and the Trustees had no conflicts of interest.

**2. Presentation and Update on SLCMAD Bee Project by Jenna Crowder, State Apiary Inspector, Utah Department of Agriculture and Food:**

Jenna Crowder presented background information about mosquitoes, SLCMAD's aerial ultra-low volume (ULV) treatments with naled (an adulticide), and potential impacts on honey bee populations. Her project seeks 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. Her analysis includes observing mortality, total adult worker population effects, and sublethal repercussions on bees. Her project covered six weeks of data collection for 24 hives at six sites. She measured worker mortality through dead bee counts, total worker population through seams of bees, and sublethal effects through colony condition assessments. She also sought to examine naled exposure by looking at deposition on filter papers. Jenna explained many facets of her work, and her preliminary observation is that the ULV naled applications had no negative effects on the bee colonies. She will do a follow-up presentation in December after she has compiled her research data and conducted a thorough statistical analysis.

Mike Browning, a commercial beekeeper with many hives in the Salt Lake City area, explained how his hives became involved in the District's bee project. He was looking for someplace to establish his hives, when a nearby landowner mentioned that mosquito abatement would routinely "kill his bees". This was contrary to Mr. Browning's personal and professional experience. He then contacted Executive Director Faraji and, upon learning that there are few scientific studies to support what he had heard, he wanted to participate in a local project to explore this question. Mr. Browning has not observed any distress in the commercial hives he has placed in areas receiving ULV naled treatments, and he is pleased to see the hives are actually "thriving" in these habitats where aerial adult mosquito control applications are being conducted routinely. He stated that the District's staff has been extremely helpful, and he expressed his appreciation for how his needs have been accommodated. He is looking forward to participating in another study next year.

**3. Oath of Office for Newly-Appointed Trustees:**

The District Clerk, CFO Fairbanks, administered the Oath of Office to Trustees Barth and Mooers. Trustee Barth will sign her Oath of Office form in the future when she is physically present at the District office.

**4. Approval of the 18 August 2022 Minutes of the Board of Trustees Meeting:**

The Board Members were provided an opportunity to review the pending minutes of August's regular Board Meeting prior to this meeting, and no modifications were necessary. Trustee Christensen made a motion to approve the 18 August 2022 Board Meeting Minutes. Trustee Mooers seconded the motion, and it carried with all in favor.

**5. Presentation of the August 2022 Financial Statements and Approval of Bills for Payment:**

August's Financial Statements had also been distributed to the Trustees earlier in the week. CFO Fairbanks reviewed the Financial Statements with the Board and noted that the District was reimbursed \$1,434.19 for work that had been performed for the Spartan Mosquito Eradicator studies. The 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 was passed around. Trustee Mooers made a motion to approve the August 2022 Financial Statements and the bills for payment, and her motion passed unanimously after being seconded by Trustee Barth.

On a side note, Executive Director Faraji and CFO Fairbanks will be meeting with Zions Bank personnel to discuss optional low-risk investment opportunities that will result in higher interest returns. This will be an addition to the current savings within the Utah Public Treasurer's Investment Fund.

**6. Discussion and Approval for University of Utah Students via the Community Engaged Learning Program:**

Dr. Amanda Hoepfner from the U of U would like the District to participate in its Community Engagement Learning Program (CEL) for Course Biol 5480: Entomology. The CEL program has a nationally-recognized designation: "At its most basic, CEL involves students, faculty and community partners working together to apply knowledge in authentic settings in order to address community needs while also meeting instructional objectives. CEL enhances and deepens students' understanding of an academic discipline by facilitating the integration of theory and practice. This high impact teaching method provides students with experiences that develop life skills, with opportunities to engage in critical reflection, and with the intellectual space to understand and contribute to the public purpose of their chosen major or discipline. It is a strategy, a process, an experience that involves both action and reflection." In order to receive CEL credit, each volunteer student must complete 20 hours of work during the semester. However, the volunteers may do more if they are interested in their project. Additionally, this will be a good opportunity for the District to recruit additional summer employees and interns.

The Trustees reviewed the Memorandum of Understanding between the District and the U of U students participating in Course Biol 5480: Entomology. This MOU is quite specific and, after some discussion about broadening the MOU to include future endeavors, it was decided to go with the current MOU and evaluate future partnerships at a later date. Trustee Mooers made a motion to approve the MOU between the Salt Lake City Mosquito Abatement District and the University of Utah Student Participant in Course Biol 5480: Entomology. Trustee Barth seconded the motion, and it passed with all in favor.

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

- **DSLASA, 8 September 2022, Ogden Hangar**

In addition to Executive Director Faraji and Assistant Director White, Trustees Barth, Liddle, and Vickers attended the Davis-Salt Lake Aerial Spray Authority board meeting at the Ogden hangar on 8 September 2022. DSLASA is working on extending the aerial spraying contract and lease agreement with VDCI. DSLASA is also planning on completing a full audit on 2022's transactions and operations.

- **Utah Prisoner Advocate Network, 12 September 2022, Virtual**

Education Specialist Rehbein spent an hour educating approximately 35 members of the Utah Prisoner Advocate Network, which was established to simplify the incarceration process for the inmates' supporters while also advocating for better conditions inside Utah jails and prisons. In addition to her presentation, she and Executive Director Faraji were able to answer questions and clear up some misconceptions about mosquitoes and mosquito control. The attendees expressed their pleasure with the efforts the District has been making to assist with the prison's dire mosquito problem.

- **Society for Vector Ecology, 19-23 September 2022, Honolulu, Hawaii**

Assistant Director White will be attending the Society for Vector Ecology (SOVE) International Congress conference this year, and he will be conducting a symposium on innovations within mosquito control districts. Trustee Mooers' father (Dr. Mir Mulla), a retired professor from the University of California, Riverside, was one of the founding fathers of the Society for Vector Ecology. The family has put in place an endowment that provides funding for a guest lecturer at the annual meetings, and Trustee Mooers has been invited to attend the 2022 conference and to introduce this year's inaugural lecturer. We are pleased to have two attendees from the District at this meeting.

- **Day of Caring with Clarke Mosquito Control, 21 September 2022**

Staff and Clarke Mosquito Control employees will be spending the morning of 21 September 2022 providing some community service at the Eccles Wildlife Education Center in Davis County. We will clean up some areas and possibly build some rookeries.

- **Pan-African Mosquito Control Association, 26-28 September 2022, Rwanda, Africa**

Executive Director Faraji will be attending and presenting at this conference. When he was the President of the American Mosquito Control Association, he set up a Memorandum of Understanding between the AMCA and Pan-African Mosquito Control Association (PAMCA). This MOU led to over 60 participants from PAMCA to attend the AMCA meetings last year. Part of the agreement to increase innovation exchanges was that AMCA members would also present and share their expertise at the PAMCA meetings.

- **University of Utah, Biology Department, 4 October 2022**

Executive Director Faraji will be recruiting 2023 summer seasonals and also providing a presentation to the Biology Department at the U of U on 4 October 2022.

- **Utah Mosquito Abatement Association Annual Conference, 23-25 October 2022, Park City, Utah**

The Utah Mosquito Abatement Association meeting provides an opportunity for trustees to receive the training that the State requires each year, in addition to providing valuable information on the activities and research programs of the mosquito abatement districts. This year, eight talks are being given by our District or through collaborations with our District; it should be a very informative and interesting conference. The District is now allowed to cover hotel costs for its Trustees in addition to providing mileage and per diem. Trustees Barth, Mooers, and Vickers will be in attendance.

- **University of Utah, Public Health Department, 31 October 2022**

This year, Executive Director Faraji will provide a presentation on epidemiology to the Public Health Department on 31 October 2022.

- **Utah Association of Special Districts Annual Conference, 2-4 November 2022, Layton, Utah**

Executive Director Faraji will receive an update on legislative issues and other matters that affect local districts by attending the UASD Meetings at the Davis Conference Center in Layton. Trustee Turner will attend the required trustee training on Wednesday afternoon, 2 November 2022.

- **Entomological Society of America, 13-16 November 2022, Vancouver, British Columbia, Canada**

Executive Director Faraji will be attending the Entomological Society of America conference in November. He is currently a Subject Editor for the Journal of Medical Entomology, and he is now the Vice President of their Medical, Urban, and Veterinary Entomology Section. Trustee Barth will also be attending this conference.

## 8. Executive Director's Report:

The Board Members were given a few updates, which included the following: 1) A copy of Executive Director Faraji's AMCA presidential address (which was recently published) was included with August's Director's Report. His address outlines several of his goals and also accomplishments that were made during his presidential reign. It was extremely disappointing to have COVID-19 prevent so many of his objectives from occurring. 2) Mosquitoes have been thriving because of the high temperatures exceeding 100 degrees. There were recently about 26,000 mosquitoes caught in just a single trap location. The duck clubs are beginning to flood their fields, and our staff has been asked to NOT intervene by visiting the area after September 15. However, the first frost of autumn is occurring later each year because of global climate change, which extends the mosquito season. Not being welcomed on these sites is becoming a bigger issue. Change is becoming necessary, and we hate to use eminent domain to access the clubs. Perhaps we can begin a dialogue with the landowners and the Utah Division of Wildlife Resources to see if hunting dates can be modified. Landscape use patterns, environmental conditions, and habitat modifications are all changes that are occurring in these locations, and the duck clubs must also be receptive to change. 3) VDCI had an equipment failure, and two of their ULV aerial applications failed to distribute sufficient amounts of pesticide. VDCI will not invoice the District for these applications. 4) Only two seasonals are currently assisting in the lab, which has made it necessary to reduce the number of traps set in the field and retrieved twice a week. 5) Central Life Science has a new adulticide product that needs to be tested for the EPA, and the District's staff assisted with conducting three field trials with this product against endemic and also colony mosquito species. We will invoice Central Life Science for our time and materials. 6) On 7 September 2022, the District received a GRAMA request from a Salt Lake Tribune newspaper reporter requesting all communications with the Utah Department of Corrections (UDOC) and data records in relationship to the prison. The reporter spent 2 ½ hours touring our facility and learning about our operations; she agreed to receiving the information once UDOC authorizes what data may be released without posing a security risk. 7) UDOC has asked for a best-guess estimate for providing the prison with mosquito abatement services, and we will collect data and put together this estimate next week. We would like to establish a Memorandum of Understanding with them, as well. We have already spent over \$100,000 on excess mosquito control in the area, and it would not be appropriate for the citizens of Salt Lake City to pick up this tab moving into next year. 8) Executive Director Faraji and CFO Fairbanks attended a Salt Lake City Boards and Commissions Meeting on 29 August 2022. Salt Lake City is making a concerted effort to improve meeting the needs of its different boards; we found that our board is drastically different, our needs are entirely dissimilar, and we are not faced with the same challenges. 9) Okland Construction is developing the land to the north, and they asked if they could access the northeast corner of our property to tap into the City's storm drain system. This would necessitate moving one fence and possibly some sprinklers. Maintenance Supervisor Feragen recommended declining the request. Our facility's retention ponds were required by Salt Lake City, and what reputable architect would design a project that encumbers an adjacent property? 10) A Northpoint Public Workshop was held in regards to the Northpoint Small Area Master Plan at our facility, and about 40-50 persons attended the meeting.

**9. Probable Agenda Items for 20 October 2022 Board Meeting:**

- Executive Director's Report
- Surveillance/Control Updates
- Budget
- Research Projects Updates
- Bylaws Changes
- Policies and Procedures
- Holiday Luncheon

**10. Public Comment:**

There were no public comments.

**11. Adjournment:**

Trustees Mooers and Barth made and seconded a motion to adjourn the meeting at 2:54 p.m., which passed unanimously. A box lunch will be available before the 12:30 p.m. Monthly Board Meeting on 20 October 2022.

  
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Ary Faraji, Executive Director

20 OCT 22  
Date

  
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Van Turner, Chair 2022

10-20-22  
Date