

**MINUTES OF THE  
SALT LAKE CITY MOSQUITO ABATEMENT DISTRICT  
23 February 2017  
BOARD MEETING**

**1. Roll Call:**

Presiding: La Vone Liddle, Chair 2017

Time: 12:30 PM

Place: 2020 North Redwood Road, Salt Lake City, Utah 84116

Trustees Present: La Vone Liddle, Chair 2017  
Carlton Christensen, Vice Chair  
Karen Okabe  
Dr. Dagmar Vitek  
Maureen M. Wilson

Others Present: Ary Faraji, PhD, Manager  
Gregory White, PhD, Assistant Manager  
Aleta Fairbanks, CPA, CFO  
Brian Baker, Financial Advisor, Zions Public Finance (*Left at 1:26 PM*)

Assistant Manager White affirmed that the voice recorder was turned on; no conflicts of interest were declared.

**2. Review and Update of the Pricing Numbers of the Local Building Authority of Salt Lake City Mosquito Abatement District's Proposed Issuance of \$8.5 Million Lease Revenue Bonds, Series 2017:**

Brian Baker spent just under an hour discussing all facets concerning the 22 February 2017 sale of the \$8,500,000 Lease Revenue Bonds, Series 2017. When Piper Jaffray & Co. entered the market, there was a lot of interest in purchasing the Aa2 rated lease revenue bonds. The interest rates were relatively low, the Cost of Issuance amounted to \$140,000, the Capitalized Interest through 15 August 2019 totaled \$970,647.22, and the bond proceeds will be available 8 March 2017. The \$8,453,173.30 will be deposited in the Project Construction Fund, which will be held in a trust by U.S. Bank. The first interest payment totaling \$176,058.06 will be due 15 August 2017, and principal payments will begin 15 February 2021 and continue each February through 2040.

**3. Real Estate Transaction Update:**

Hopefully, Dominion Engineering will be ready to start discussions on how we can both share the costs of providing utilities to our properties in a week or two. Our architect, Scott Olcott, provided us with some construction estimates totaling \$6,751,377, and the cost to purchase the land will be around \$2.35 million dollars. Even though these costs exceed the amount we will obtain through the bond proceeds, we are still in good shape because of our excellent reserves, additional funds from the sale of our current property, and additional property tax revenue that will be deposited in the Capital Projects Fund over the next few years.

**4. Approval of the 19 January 2017 Minutes of the January Monthly Board Meeting:**

The Board Members had previously reviewed the 19 January 2017 minutes, and there were no changes or modifications required. Trustee Christensen made a motion to approve these minutes; the motion was seconded by Trustee Okabe, and it passed unanimously.

**5. Presentation of the January 2017 Financial Statements and Approval of Bills for Payment:**

Trustee Liddle stated that the financials had been distributed to the Board prior to the Board Meeting, and she asked the Board if there were any questions. CFO Fairbanks briefly commented on the financial highlights, and she passed around the balance sheets, the bank statement and its reconciliation, and the credit card statements with balances greater than \$1,000 for the Board to review. There were no unusual transactions that warranted an explanation. Trustee Okabe suggested that the District compare insurance costs with a variety of companies in order to ascertain that the insurance provided by the Utah Local Governments Trust is the best available insurance for the money.

The Board had no further questions; Trustee Vitek made a motion to approve the January 2017 Financial Statements and payment of bills. Trustee Okabe seconded the motion, and it carried unanimously.

**6. Discussion and Approval of Payment to Moody's Investor Services for Bond Rating:**

The fee for obtaining a Moody's bond rating was \$16,000. Because the District delayed selling the bonds, Moody's Investor Services submitted an invoice for \$12,000, which was 75% of their fee. Now that the District has sold the bonds, we will be billed the remaining \$4,000. Trustee Okabe made a motion to approve paying Moody's fee. The motion passed unanimously after being seconded by Trustee Vitek.

**7. Discussion and Approval of Payment to ESRI for Geographic Information Services Renewal:**

Trustee Christensen made a motion approving ESRI's \$11,500 invoice for payment. Trustee Wilson seconded the motion, and it carried unanimously.

**8. Approval to Purchase Replacement Tracks for Lite-Foot Tracked Vehicle:**

The District has two Lite-Foot tracked vehicles that are used for larvicide applications over areas that are too large to cover by hand or on the ATVs. The tracks wear out over time. The gentleman who built the tracked vehicles will be retiring shortly, and Manager Faraji requested permission to purchase replacement tracks prior to his retirement. The new tracks will be installed on the main vehicle. The tracks from the main vehicle will then be placed on the older machine, and we will hold onto the older tracks in case we need them in the future. There was some discussion about these metallic tracks and the Lite TRAX vehicle that was displayed at the AMCA conference. The Lite TRAX vehicle is a smaller unit, and the company just recently started marketing it to the mosquito industry. There was a lot of interest in this less-expensive tracked vehicle; however, questions remain on how well it will perform under field conditions. Arrangements will be made to demo this vehicle in the near future. Trustee Christensen made a motion to approve purchasing replacement tracks for the Lite-Foot Tracked Vehicle. The motion was seconded by Trustee Okabe, and it was approved with a unanimous vote.

**9. Approval to Modify May 2017 Monthly Board Meeting Date:**

The AMCA Washington Days Meeting conflicts with May's previously-scheduled board meeting date. Approval to move the May regular board meeting to 25 May 2017 was made through Trustee Vitek's motion, seconded by Trustee Christensen, and carried unanimously.

**10. Approval to Publish Request for Proposals on Surveying Services:**

The Salt Lake County Surveyor was not able to provide surveying services because our District is not a County entity. Additionally, they are unable to provide the services pro bono because they would be competing with services in the private sector. The survey will involve a three-step process providing information on Salt Lake City's current city limits, details concerning our arrangements with the Magna Mosquito District, and data on the unincorporated areas in the north and around the prison development location. The proposals will be due on 10 March, the top three candidates will be selected for interviews on 13 March, the interviews will be conducted on 15 March, and the winning surveyor will be announced on 17 March 2017. Trustee Okabe made a motion approving the solicitation of Request for Proposals. Manager Faraji, Assistant Manager White, and one Board Member will select the winning company. Trustee Christensen plans on assisting with the interviews and ratings on 15 March, and Trustee Vitek will be his backup, if necessary. The motion was seconded by Trustee Vitek, and it passed unanimously.

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

- **Florida Fly-In and Chatham County MCP, 9-13 January 2017, Ft. Myers, FL & Savannah, GA:**

The Florida Fly-In was included on the agenda because the conference was held in January. Here is a brief summary: Manager Faraji and Assistant Manager White continued their architectural due diligence when they attended the Florida Fly-In meeting in Florida. They visited facilities one day before and also one day after the conference. Facilities visited include University of Southern Florida, Manatee Mosquito Control District, Lee County Mosquito Control District, and Chatham County Mosquito Control District. While at the meeting, they spoke to several pilots and learned a lot of good reasons to utilize a helicopter when conducting mosquito control.

- **AMCA, 13-17 February 2017, San Diego, CA:**

Manager Faraji, Assistant Manager White, CFO Fairbanks, and all of the Trustees except for Trustee Okabe were able to attend the AMCA conference in San Diego. Highlights of the conference were shared. The meetings were very educational, and several persons expressed that they enjoyed and learned more at this year's convention much more than previous AMCA conferences. In addition to an excellent program, a lot of collaborations and networking connections were conducted. Manager Faraji and Assistant Manager White were complimented on their presentations. Their presentations were informative and delivered with a skillful touch of humor and wit. Greg Jensen, the District's Education Specialist, assisted with the AMCA Education Day and represented the District well. The tour of the San Diego health facility was outstanding, and Dr. Sammie Dickson's award presentation during the banquet went extremely well.

- **DSLASA, 16 March 2017, SLCMAD, UT (5:30 PM):**

The DSLASA board meeting will be held at 5:30 PM at the District on 16 March 2017.

- **MVCAC, 27-29 March 2017, San Diego, CA:**

The California program is extensive, and they have several education specialists, microbiologists, entomologists, and other technical positions. As a result, the MVCAC is one of the best intellectual meetings for mosquito control providers. Manager Faraji and Assistant Manager White will be in attendance at this conference. It has been the District's practice to send the Board's Vice Chair to the MVCAC meetings as well. However, because Trustee Christensen just attended the AMCA meetings in San Diego, he opted to participate in AMCA's Washington Days meeting in May instead.

- **CDC-ELC, 10-11 April 2017, Atlanta, GA:**

The State Health Department has asked Manager Faraji to attend the CDC-ELC meeting discussing ELC funding and Zika-related issues for the State of Utah. Manager

Faraji will be representing the UMAA, and the Department of Health will cover all of his costs to attend this meeting.

- **AMCA Washington Days, 14-17 May 2017, Washington, DC:**

Manager Faraji, Assistant Manager White, and CFO Fairbanks will be attending this meeting with Trustees Christensen and Okabe.

## **12. Manager's Report:**

Manager Faraji had previously provided the Board with a copy of the Manager's Report for review. The Education Specialist gave two presentations (to a total of 65 students) in January, and more presentations will be accomplished in the spring.

At the AMCA meeting, Assistant Manager was given a BG-Counter that Biogents has created to fit on the top of a BG Sentinel Mosquito Trap (The BG Sentinel Trap is the best trap for the *Aedes* invasive species.) The BG-Counter automatically differentiates mosquitoes from other insects entering the trap, counts them, and wirelessly transmits the results to a cloud server. Via an application, insights into daily activity patterns, adult density, and control effectiveness can be managed. The BG-Counter is a great surveillance tool because it enables real-time measurements and collects environmental data such as temperature and relative humidity.

The BG-Counter is currently available in limited quantities, but Assistant Manager White was given one of the counters for research purposes. He plans to use our 3-D printer to customize attaching the counter with a fan to an existing CO<sub>2</sub> trap. Biogents is very interested in expanding their services for *Culex* populations, and the company has also requested that the counter be placed in our different mosquito colony cages so that the counter can learn how to discern the wing beat frequencies of different mosquito species.

Applications are now being accepted for the seasonal positions. Lab internships are being offered again this year. One of the projects will focus on modifying the CO<sub>2</sub> traps so CO<sub>2</sub> canisters can be utilized rather than dry ice.

The Board Members were shown the new DJI Phantom 4 UAV drone that the District has purchased. The drone has a high-resolution video camera attached to it. It will currently be used to locate mosquito habitats, but we have hopes of eventually using drones for treatments as well. We are lucky to have Brad Sorensen on staff, for he already had his pilot's license and has now acquired a certificate by the FAA to legally fly the drone.

## **13. Probable Agenda Items for 16 March 2017 Board Meeting, 12:30 PM:**

- Manager's Report
- Five-Year Plan Update
- Personnel Policies Update

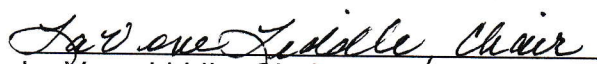
- Bond Sale Update
- Real Estate Transaction Update

**14. Adjournment:**

The meeting was adjourned at 2:41 PM. A boxed meal will be available at 12:00 PM for the Board Members prior to the March Board Meeting.

  
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Ary Faraji, District Manager

16 MAR 2017  
Date

  
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La Vone Liddle, Chair

03/16/2017  
Date