

 <p style="text-align: center;"><b>Council Communication</b> Office of the City Manager</p>	<b>Date:</b>	February 6, 2017
	<b>Agenda Item No.</b>	<b>35C</b>
	<b>Roll Call No.</b>	<b><u>17-0204</u></b>
	<b>Communication No.</b>	<b><u>17-047</u></b>
	<b>Submitted by:</b>	<b>Phillip Delafield, Community Development Director</b>

**AGENDA HEADING:**

Approving bid for Mosquito Control Products and Application Services with Clarke Mosquito Control Products, 159 N. Garden Avenue, Roselle, IL 60172, and Univar Environmental Sciences, 1123 B Bedford Avenue, Kansas City, MO 54116 for helicopter application of mosquito control chemicals, pre-hatch control chemicals, and adult mosquito control chemicals.

**SYNOPSIS:**

Recommend approval of bid from Clarke Mosquito Control Products for contract to furnish larvicide control products and application services to Clark Mosquito Control Products and mosquito adulticide control products to Univar Environmental Sciences for the City of Des Moines, Polk County, Urbandale and West Des Moines and authorizing the Procurement Administrator to enter into contract from the date of award through December 31, 2017, with two (2) additional 12 month renewal options upon mutual consent of the City and vendor.

**FISCAL IMPACT:**

Amount: \$26,800 for helicopter and larvicide and \$12,000 for adulticide.

Funding Source: Funding by the Community Development Department, Neighborhood Inspection Division, fund code CD041042/532030.

**ADDITIONAL INFORMATION:**

- The City of Des Moines operates a mosquito control program aimed at reducing the threat to public health and annoyance from mosquitos.
- On March 28, 2011, the City Council approved a contract with Clarke Mosquito Control Products to support the City of Des Moines and surrounding communities in suppression of mosquito hatching and spraying to control adult populations.
- In the spring, in conjunction with Polk County, 350 acres of standing backwater along the Des Moines River basin and other areas too large to treat from the ground are treated from the air. This treatment is done by helicopter using a pre-hatch control chemical.

- In addition, roughly 400 hundred locations in the City known to hold standing water are treated from the ground to illuminate breeding grounds. The sites are monitored during the summer and if larvae are detected the area is treated with a pre-hatch control material.
- The final effort at control is spraying for adult mosquitos as conditions warrant. We are involved with an encephalitis monitoring project operated in conjunction with Iowa State University. This involves trapping adult mosquitos and testing them for mosquito borne diseases. This is the best early warning sign that there may be a chance for an increase in disease transmission through mosquito bites.
- Using mosquito population data, citizen complaint calls, and a newly established electronic mapping system staff identifies areas most intensely affected by periods of unusually high number, so nuisance mosquitoes. These areas will be targeted for spraying of adulticide chemicals. Staff operate trucks that spray a low concentration of chemical that kills the adult flying mosquito on contact and then disperses. Staff has developed a list of properties that have requested not to be sprayed.
- On November 1, 2016 the City Procurement Division solicited bids from eight (8) potential bidders and advertised the invitation to bid in the Des Moines Register. The City received five (5) bids. A cost evaluation summary and comparison of responses to bid specifications is attached.
  - Accept bid from Clarke for pre-hatch chemical drop. The City received one (1) bid for aerial larvicide application from Clarke Mosquito Control Products (Clarke). Clarke bid \$11.60 an acre for the helicopter. They also included in the bid Abate they have on hand at \$53.60 an acre for application by helicopter. This comes to \$1.19 an acre per day to control for 45 days. Again, this includes drops in Des Moines, Urbandale, West Des Moines and Polk County. The other bids were higher per acre per day and we would have had to source out the helicopter.
  - Accept bid submitted by Univar Environmental Sciences for adult mosquito control chemical Kontrol 4-4 \$14.48 per gallon.
- Staff recommends the Mosquito Control Products and Application Services contract be awarded to Clarke Mosquito Control Products and the adult mosquito control to Univar Environmental Sciences.

**PREVIOUS COUNCIL ACTION(S):**

Date: April 7, 2014

Roll Call Number: [14-0549](#)

Action: Bids from the following:

- (A) [Clarke](#) Mosquito Control Products (J. Lyell Clarke III, President) for an annual contract with two additional 12-month renewal options to furnish mosquito control products and application services as requested by the Community Development Neighborhood Inspections Division, annual estimated cost \$35,000. (Twelve bids mailed, five bids received) ([Council Communication No. 14-147](#)) Moved by Moore to adopt. Motion Carried 7-0.

**ANTICIPATED ACTIONS AND FUTURE COMMITMENTS: NONE**

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