

VILLAGE OF LOMBARD
REQUEST FOR BOARD OF TRUSTEES ACTION
For Inclusion on Board Agenda

<u> </u>	Resolution or Ordinance (Blue)	<u> </u>	Waiver of First Requested
<u> X </u>	Recommendations of Boards, Commissions & Committees (Green)		
<u> </u>	Other Business (Pink)		

TO: PRESIDENT AND BOARD OF TRUSTEES

FROM: Scott Niehaus, Village Manager

DATE: November 17, 2017 (COW) (B of T) **Date:** December 7, 2017

TITLE: Mosquito Control Services Contract

SUBMITTED BY: David Gorman, Assistant Director of Public Works *DRP*

BACKGROUND/POLICY IMPLICATIONS:

A recommendation from the Environmental Concerns Committee to waive bids and approve a contract with Clarke Environmental Mosquito Management for mosquito control services for 2018 and 2019, with an option to extend for 2020.

FISCAL IMPACT/FUNDING SOURCE:

\$88,710.00 from Account #101.270. 325.75350

Review (as necessary):

Village Attorney X	Date <u> </u>
Finance Director X	Date <u> </u>
Village Manager X	Date <u> </u>

NOTE: All materials must be submitted to and approved by the Village Manager's Office by 12:00 noon, Wednesday, prior to the Agenda Distribution.



MEMORANDUM

TO: Scott Niehaus, Village Manager

THROUGH: Carl S. Goldsmith, Director of Public Works *cy*

FROM: David P. Gorman, PE, Asst. Director of Public Works *DPG*

SUBJECT: Mosquito Control Contract for 2018 and 2019

DATE: November 17, 2017

The Public Works & Environmental Concerns Committee and Staff recommend that the Board of Trustees approve a renewed contract for 2018 and 2019 with Clark Environmental Mosquito Management. The contract includes an option to extend for 2020.

Background:

Clark is holding their price for both years at \$88,710 per year, which is the same price held since 2006. The following services would remain unchanged:

- Larval site monitoring and larvicide application for 192 sites,
- Four 30-day larvicide applications in 4,320 street catch basins,
- One 180-day larvicide application in 350 backyard catch basins,
- Three pre-hatch applications by helicopter of 60 acres of standing water sites,
- Maintain a phone hotline for residents and
- Four adulticide applications (spraying) for the community events.

The control program will continue with pre-hatch and larvicide treatments. Pre-hatch and larvicide applications are highly effective against Culex mosquitoes, which is the species that carries the West Nile Virus (WNV). The contract continues to specify the more environmentally responsible larvicide called Natular that is derived from a soil bacterium and chrysanthemum flowers. Aedes (floodwater) mosquitoes do not carry WNV and they breed in open water as well as damp areas, including wet grass. Traps have been collecting both Culex and Aedes mosquitoes.

Adulticide treatment (spraying) is not very effective or efficient in managing either Culex or Aedes mosquitoes except for short-term relief for community events. Four adulticide applications are still included at no extra cost for community events. The cost for additional spraying by trucks on all Village streets would be an extra \$80/mile of treatment. Given that we have 154 miles of streets, each Village-wide application would cost \$12,320. This would only be used if necessary for temporary treatment of isolated areas that may be problematic due to localized flooding over an extended time.

Recommendation:

Staff has been very satisfied with Clarke's customer service to residents, their surveillance of open waters by their in-house helicopter service, and their willingness to hold their prices. Therefore, the Public Works & Environmental Concerns Committee and Staff recommend that the Board of Trustees approve the renewed contract with Clarke.

RESOLUTION

R ____-17

**A RESOLUTION AUTHORIZING SIGNATURE OF
PRESIDENT AND CLERK ON AN AGREEMENT**

WHEREAS, the Corporate Authorities of the Village of Lombard have received an Agreement between the Village of Lombard and Clarke Environmental Mosquito Management, Inc. regarding mosquito management for 2018 and 2019, as attached hereto; and

WHEREAS, the Corporate Authorities deem it to be in the best interest of the Village of Lombard to approve such Agreement.

NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF LOMBARD, DU PAGE COUNTY, ILLINOIS as follows:

SECTION 1: That the Village President be and hereby is authorized to sign on behalf of the Village of Lombard said Agreement, as attached hereto.

SECTION 2: That the Village Clerk be and hereby is authorized to attest said Agreement, as attached hereto.

Adopted this ____ day of December, 2017.

Ayes: _____

Nays: _____

Absent: _____

Approved this ____ day of December, 2017.

Keith Giagnorio
Village President

ATTEST:

Sharon Kuderna
Village Clerk



**Clarke Environmental Mosquito Management, Inc.,
Professional Services Outline for 2018-2019
Village of Lombard
Environmental Mosquito Management (EMM) Program**

Part I. General Service

- A. Aerial Survey and Geographic Information System (GIS) Mapping
- B. Computer System and Record Keeping Database
- C. Public Relations and Educational Brochures
- D. Mosquito Hotline Citizen Response – (800) 942-2555
- E. Comprehensive Insurance Coverage naming the Village of Lombard additionally insured
- F. Program Consulting and Quality Control Staff
- G. Monthly Operational Reports, Periodic Advisories, and Annual Report
- H. Regulatory compliance on local, state, and federal levels

Part II. Surveillance and Monitoring

- A. Floodwater Mosquito Migration Model:
The use of weather data and computer model to predict the arrival of *Aedes vexans* brood (hatch) and peak annoyance periods.
- B. Arbovirus Surveillance:
 - 1. Clarke New Jersey Light Trap Network to monitor and evaluate adult mosquito activity.
- C. Weather Monitoring – Operational Forecasts

Part III. Larval Control

- A. Targeted Mosquito Management System (TMMS™) computer database and site management.
- B. Larval Site Monitoring: 12 inspections
 - 1. Three (3) complete inspections of up to 192 sites as outlined by most recent Clarke GIS Survey.
 - 2. Six (6) targeted inspections of up to 74 breeding areas as determined by the computerized Clarke Targeted Mosquito Management System™.
 - 3. Three (3) targeted inspections of up to 63 known *Culex spp.* breeding areas as determined by the computerized Clarke Targeted Mosquito Management System™.
 - 4. Inspections of sites called in by residents on the Mosquito Hotline.
- C. Prescription Larval Control will be performed with Natular® mosquito larvicide as described in the following sections.
 - 1. Larval Control: The program provides for treatment as needed of single brood or 30 day residual product with backpack or hand equipment.
 - 2. Helicopter Prehatch: Three (3) treatments using Natular™ of up to 60 acres for floodwater mosquito control.
 - 3. Catch Basins: Four (4) treatments of up to 4,320 street side catch basins, inlets and manholes using a Natular™T30 for control of up to 30 days. The primary method of treatment delivery will be by bicycle.
 - 4. Catch Basins: Back Yard Catch Basins: One (1) treatment of up to 350 backyard catch basins using an extended residual slow release insecticide (Natular™XRT) for control of up to 180 days.



Part IV. Adult Control

- A. Adulticiding in mosquito harborage areas:
 - 1. Four (4) scheduled truck Ultra Low Volume (ULV) treatments using Merus™ a botanical insecticide (pyrethrin) for any community special events.
- B. Adulticiding in Residential Areas:
 - 1. As authorized by the Village of Lombard, community-wide truck ULV treatments of up to 154 miles of streets using Merus™ a botanical insecticide (pyrethrin). Treatments may be on a section or city basis at a cost of \$80.00 per mile (minimum of 10 miles).
- C. Adulticiding Operational Procedures
 - 1. Notification of community contact.
 - 2. Weather limit monitoring and compliance.
 - 3. Notification of residents on Clarke Call Notification List.
 - 4. ULV particle size evaluation.
 - 5. Insecticide dosage and quality control analysis.

2018-2019 EarthRight™ Payment Total Price for Parts I, II, III, IV \$88,710.00**

****NPDES Permit:** A National Pollutant Discharge Elimination System (NPDES) permit is necessary for the execution of the work for mosquito control effective October 31, 2011. Any additional costs associated with activities and/or services that may be required by Clarke in order to comply with an NPDES permit are not included in this proposal.



EarthRight™

**Clarke Environmental Mosquito Management, Inc.,
Client Agreement Authorization for 2018-2019
Village of Lombard
EarthRight™ Program**

- I. **Program Payment Plan:** For Parts I, II, III, and IV as specified in the 2018-2019 Professional Services Price Outline, the total for the 2018-2019 program is \$88,710.00 per year. The payments will be due according to the payment schedule below. Any additional treatments beyond the core program will be invoiced when the treatment is completed. Village of Lombard has the option to extend this program for 2020 at 2018-2019 rates.


PROGRAM PAYMENT PLAN

Month	2018	2019	2020
June 1	\$22,177.50	\$22,177.50	\$22,177.50
July 1	\$22,177.50	\$22,177.50	\$22,177.50
August 1	\$22,177.50	\$22,177.50	\$22,177.50
September 1	\$22,177.50	\$22,177.50	\$22,177.50
TOTAL	\$88,710.00	\$88,710.00	\$88,710.00

For Village of Lombard:

Sign Name: _____ Title: Village President Date: 12/7/17

For Clarke Environmental Mosquito Management, Inc.:

Name:  Title: Key Accounts Manager Date: 10/3/2017
Emily Glasberg