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**Clarke Environmental Mosquito Management, Inc.,  
Professional Services Outline for 2014-2015  
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.



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- 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. Adulthooding 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. Adulthooding 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. Adulthooding 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.

**2014-2015 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.

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**Clarke Environmental Mosquito Management, Inc.,  
Client Agreement Authorization for 2014-2015  
Village of Lombard  
EarthRight™ Program**

**I. Program Payment Plan:** For Parts I, II, III, and IV as specified in the 2014-2015 Professional Services Price Outline, the total for the 2014-2015 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 2016 at 2014-2015 rates.

**PROGRAM PAYMENT PLAN**

Month	2014	2015	2016
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
<b>TOTAL</b>	<b>\$88,710.00</b>	<b>\$88,710.00</b>	<b>\$88,710.00</b>

**For Village of Lombard:**

Sign Name: [Signature] Title: Village President Date: March 6, 2014

**For Clarke Environmental Mosquito Management, Inc.:**

Name: [Signature] Title: Key Accounts Manager Date: 2/14/14  
Emily Glasberg



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**Clarke Environmental Mosquito Management, Inc.,  
Client Authorization for 2014-2015  
Village of Lombard  
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**Administrative Information:**

**Invoices should be sent to:**

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip \_\_\_\_\_  
Office Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ P.O. # \_\_\_\_\_  
E-mail: \_\_\_\_\_ County: \_\_\_\_\_

**\*\*In an effort to be more sustainable, we ask that you provide us with an Email address that the invoices should be sent to.\*\***

**Treatment Address (if different from above):**

County: \_\_\_\_\_

Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip \_\_\_\_\_

**Contact Person for Village of Lombard:**

Name: \_\_\_\_\_ Title: \_\_\_\_\_  
Office Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-Mail: \_\_\_\_\_  
Home Phone: \_\_\_\_\_ Cell: \_\_\_\_\_ Pager: \_\_\_\_\_

**Alternate Contact Person for Village of Lombard:**

Name: \_\_\_\_\_ Title: \_\_\_\_\_  
Office Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-Mail: \_\_\_\_\_  
Home Phone: \_\_\_\_\_ Cell: \_\_\_\_\_ Pager: \_\_\_\_\_

**Please sign and return a copy of the complete contract for our files to:**

Clarke Environmental Mosquito Management, Inc., Attn: Emily Glasberg  
110 E. Irving Park Rd., 4<sup>th</sup> Floor, Roselle, IL 60172-9963 or Fax at (630) 894-1774 or  
email [eglasberg@clarke.com](mailto:eglasberg@clarke.com)