



**Clarke Environmental Mosquito Management, Inc.,  
Professional Services Outline for  
The 2015-2016 Algonquin Township  
EarthRight™ 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 Algonquin Township 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. (Clarke will contact the Algonquin Township representative and inform her of the impending brood arrival.)
- B. Arbovirus Surveillance:  
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 (TMMST™) computer database and site management.
- B. Larval Site Monitoring: 12 inspections
  - 1. Three (3) complete inspections of up to 115 sites as outlined by most recent Clarke GIS Survey.
  - 2. Five (5) targeted inspections of up to 59 breeding areas as determined by the computerized Clarke Targeted Mosquito Management System™.
  - 3. 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. All larviciding beyond core will only be performed upon approval of Algonquin Township.
  - 1. Larval Control: The program provides for treatment of up to 75 acres with single brood or 30 day residual product with backpack or hand equipment. The pricing for authorized larviciding beyond the core program will be \$95.00 per acre.
  - 2. Larval Control: As authorized by Algonquin Township, monthly treatments of using a 30 day residual product (Natular/Abate) for Township tire pile treatment. The pricing for authorized larviciding will be \$495.00 per treatment.
  - 3. Helicopter Larval Control: Treatments using a single brood product of up to 10 acres.



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4. Catch Basins: As authorized by Algonquin Township, one treatment of up to 220 catch basins, inlets and manholes using Natular® XRT, an extended residual slow release insecticide for control of up to 180 days. Authorized treatments at \$1,155.00 per treatment.

**Part IV. Adult Control**

- A. Adulticiding in Residential Areas:  
Community-wide truck ULV treatments of APPROVED ROUTE with Merus™ a botanical insecticide (pyrethrin). Any additional authorized community ULV treatments will be priced at **\$ 85.00 per mile.**
- B. 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.

**2015-2016 EarthRight™ Payment Total Price for Parts I, II, III, IV\*\*      \$19,020.88**

**\*\*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  
The 2015-2016 Algonquin Township  
EarthRight™ Program**

- I. **TERM AND TERMINATION.** **This Agreement has an automatic renewal clause.** The term of the Agreement shall commence on the date when both parties have executed this Agreement and shall continue for a period ending on **December 31, 2016** (the "Initial Term"). Unless either party hereto provides the other party with written notice at least one hundred twenty (120) days prior to the end of the Initial Term or any subsequent renewal term, **this Agreement shall automatically continue to renew for additional term, each term having a duration equal to the Initial Agreement.** If a party hereto fails to comply with a provision of this Agreement, then the other party shall have the right to terminate this Agreement if it gives written notice of the default to the defaulting party and the defaulting party fails to cure the default within sixty days of receipt of said notice.
- II. **Price Increases.** The price for the services rendered hereunder may be increased by Clarke Environmental Mosquito Management, Inc. ("Clarke") on the first day of any Calendar year commencing on January 1, 2017 (a "Price Increase Date") by a percentage which shall not exceed the greater of the percentage increase of the consumer price index during the calendar year which immediately precedes the Price Increase Date or five percent (5%) (the "Price Increase Percentage"). Clarke Environmental Mosquito Management, Inc. may petition Algonquin Township at any time for an additional rate adjustment on the basis of extraordinary and unusual changes in the cost of operations that could not be reasonably foreseen by a prudent operator. New areas to be covered will be pro-rated to the program cost at the rates in effect at the time.
- III. **Program Payment Plan.** For Parts I, II, III, and IV as specified in the 2015 Professional Services Cost Outline, the total for the 2015 program is \$19,020.88. The program cost will be held for 2016. 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.

**PROGRAM PAYMENT PLAN**

Month	2015
June 1	\$4,755.22
July 1	\$4,755.22
August 1	\$4,755.22
September 1	\$4,755.22
<b>TOTAL</b>	<b>\$19,020.88</b>

**For Algonquin Township:**

Sign Name: [Signature] Title: Hwy Comm Date: 5/7/15

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

Name: [Signature] Title: Key Accounts Manager Date: 5/4/15  
Emily Glasberg



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**Clarke Environmental Mosquito Management, Inc.,  
Client Authorization for  
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EarthRight™ Program**

**Administrative Information:**

**Invoices should be sent to:**

Name: Algonquin Township Road District  
Address: 3702 U.S. Hwy. 14 Crystal Lake  
Township: Algonquin State: IL Zip 60014  
Office Phone: 847-639-2700 Ext. 6 Fax: 847-639-4529 P.O. #   
E-mail: bobmiller2mc.net County: McHenry

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

**Contact Person for Algonquin Township:**

Name: Robert J. Miller Title: Highway Commissioner  
Office Phone: 847-639-2700 Ext. 6 Fax: 847-639-4529 E-Mail: bobmiller2mc.net  
Home Phone: 847-639-5112 Cell: 847-875-4649 Pager:

**Alternate Contact Person for Algonquin Township:**

Name: Derek Lee Title: Foreman  
Office Phone: 847-639-2700 Ext. 6 Fax: 847-639-4529 E-Mail:   
Home Phone: 847-516-0105 Cell: 847-343-3892 Pager:

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

Clarke Environmental Mosquito Management, Inc., Attn: Emily Glasberg  
675 Sidwell Ct. St Charles, IL 60174 or email to [eglasberg@clarke.com](mailto:eglasberg@clarke.com)