



**Clarke Environmental Mosquito Management, Inc.  
Professional Services Outline For  
The 2012-2014 Lisle Township  
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 Lisle 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 Lisle Township representative and inform him of the impending brood arrival.)
- B. Adult Mosquito Population 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: Nine (9) inspections
  - 1. Three (3) complete inspections of up to (89) sites as outlined by most recent Clarke GIS Survey.
  - 2. Six (6) targeted inspections of up to (55) 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 with VectoLex® (*Bacillus sphaericus*), VectoBac® (*Bacillus thuringiensis israelensis* - Bti), Abate® and Altosid®.
  - 1. The program provides for 44.3 acres of VectoBac® Larviciding with backpack or hand equipment.
- D. Helicopter Treatment:
  - 1. Helicopter Prehatch: three (3) treatments with 5% Abate® of up to 58.0 acres for floodwater mosquito control. .
- E. Stocking of 1000 mosquitofish (*Gambusia affinis*) for biological control.
- F. Catch Basin Control:
  - 1. Catch Basins: four (4) treatments of up to 700 street side catch basins, inlets and manholes with VectoLex® granular, sustained slow release insecticide.
  - 2. Back Yard Catch Basins: One (1) treatment of known backyard catch basins using Altosid® XR briquette. The pricing for authorized catch basins beyond the core program will be \$13.00 per catch basin treatment.

#### **Part IV. Adult Control**

- A. Adulticiding in Residential Areas:
  - 1. Three (3) community-wide truck ULV treatments in the unincorporated area of up to 78.0 miles of streets with Anvil® or comparable synthetic pyrethroid insecticide. Any additional authorized community ULV treatments will be priced at \$3,582.12 per treatment.
- 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.

**2012 EMM Payment Total Cost for Parts I, II, III, IV**

**\$47,586.12**

**\*\*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.



**Clarke Environmental Mosquito Management, Inc.  
Client Agreement and Authorization  
The 2012-2014 Lisle Township  
Environmental Mosquito Management (EMM) Program**

I. **Program Payment Plan:** For Parts I, II, III, and IV as specified in the 2012 Professional Services Cost Outline, the total for the 2012 program is \$47,586.12. 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. \*The program pricing for 2013-2014 will increase by the Consumer Price Index (CPI) or 3%, whichever is less. In the chart below the pricing for 2013-2014 is estimated only for your fiscal planning at 3%, as the Consumer Price Index (CPI) has not been established for those years.\*

**PROGRAM PAYMENT PLAN-OPTION B**

Month	2011	2012	2013	2014
June 1	\$11,896.53	\$11,896.53	<del>\$12,253.00</del>	\$12,620.59
July 1	\$11,896.53	\$11,896.53	<del>\$47,442.15</del>	\$12,620.59
August 1	\$11,896.53	\$11,896.53	<del>\$47,442.15</del>	\$12,620.59
September 1	\$11,896.53	\$11,896.53	<del>\$47,442.15</del>	\$12,620.59
<b>TOTAL</b>	<b>\$47,586.12</b>	<b>\$47,586.12</b>	<del><b>\$49,012.00</b></del>	<b>\$50,482.36</b>

*48,395.00 gpb  
4 installments of \$12,098.75*

II. **Approved Contract Period and Agreement:**

2012 thru 2014 Season

**For Lisle Township:**

Sign Name: Charles Blalock Title: Supervisor Date: April 30, 2012

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

Name: Tom Kessler Title: Control Consultant Date: 3-9-2012



Clarke Environmental Mosquito Management, Inc.  
Client Authorization  
The 2012-2014 Lisle Township  
Environmental Mosquito Management (EMM) Program

**Administrative Information:**

**Invoices should be sent to:**

Name: Lisle TOWNSHIP  
Address: 4711 INDIANA AVE  
City: Lisle State: IL Zip 60532  
Office Phone: (630) 968-2087 Fax: \_\_\_\_\_ E-Mail BILLG@lisle-township.com  
Purchase Order Number: \_\_\_\_\_

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

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

**Contact Person for Lisle Township:**

Name: Bill GREEN Title: FINANCE DIRECTOR  
Office Phone: (630) 968-2087 Fax: \_\_\_\_\_ E-Mail: BILLG@lisle-township.com  
Home Phone: X-18 Cell: \_\_\_\_\_ Pager: \_\_\_\_\_

**Alternate Contact Person for Lisle Township:**

Name: Charles CLARKE Title: SUPERVISOR  
Office Phone: (630) 968-2087 Fax: \_\_\_\_\_ E-Mail: \_\_\_\_\_  
Home Phone: X-19 Cell: \_\_\_\_\_ Pager: \_\_\_\_\_

**Please sign and return a copy of the complete contract for our files to:**  
Clarke Environmental Mosquito Management, Inc., Attn: Tom Kessler  
159 N. Garden Avenue, Roselle, IL 60172-9963 or Fax at (630) 894-1774