2015-2017 Proposal



# Clarke Environmental Mosquito Management, Inc., Professional Services Outline for The 2015-2017 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 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. 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<sup>™</sup>) computer database and site management.
- B. Larval Site Monitoring: 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<sup>™</sup>.
  - 3. Inspections of sites called in by residents on the Mosquito Hotline.
- C. Prescription Larval Control will be performed with VectoLex® (*Bacillus sphaericus*), VectoBac® (*Bacillus thuringiensis israelensis* - Bti), Abate®, Natular®, and/or Altosid® mosquito larvicide as described in the following sections.
  - 1. Larval Control: The program provides for 44.3 acres of single brood or 30 day residual product with backpack or hand equipment.
  - 2. Helicopter Prehatch: Three (3) treatments using a 30 day residual product of up to 58 acres for floodwater mosquito control.



- 3. Larval Control: Stocking of 1,000 mosquito fish (Gambusia affinis) for biological control.
- 4. Catch Basins: Four (4) treatments of up to 700 street side catch basins, inlets and manholes using a sustained release insecticide for control of up to 30 days.
- Catch Basins: Back Yard Catch Basins: One (1) treatment of known backyard catch basins using an extended residual slow release insecticide for control of up to 150 days. The pricing for authorized catch basins beyond the core program will be \$13.00 per catch basin.

#### Part IV. Adult Control

- A. Adulticiding in Residential Areas:
  - 1. Three (3) community-wide truck ULV treatments of up to 78.0 miles of streets using Anvil® or synthetic pyrethroid insecticide. Any additional authorized community ULV treatments will be priced at \$3,730.00 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.

### 2015-2017 EMM Payment Total Price for Parts I, II, III, IV\*\*

\$50,100.00

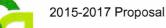
\*\*<u>NPDES Permit:</u> A National Pollutant Discharge Elimination System (NPDES) permit is necessary for the execution of the work for mosquito control effective October 31, 2011. Any additional costs associated with activities and/or services that may be required by Clarke in order to comply with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



# Clarke Environmental Mosquito Management, Inc., Client Authorization for The 2015-2017 Lisle Township Environmental Mosquito Management (EMM) Program

# Administrative Information:

Invoices should be	e sent to:
Name:	Bill Green, Finance Director
Address:	Lisle Township, 4711 Indiana Ave.
City:	Lisle State: 1L Zip 60532
Office Phone:	LisleState: 1LZip 60532 (630)968-2087 Fax: (630)960-ETT P.O. #
	<u>billg@lisletownship.com</u> effort to be more sustainable, we ask that you provide us with an Email address that the invoices should be sent to.**
Treatment Addres	s (if different from above): County:
Address:	
City:	State: Zip
Home Phone:	r Lisle Township: <u>x Tarulis</u> Title: <u>Township Supervisor</u> <u>b)968-2087</u> Fax: <u>(630)960-1857</u> E-Mail: <u>rtarulis@lisletownship.com</u> <u>Cell:</u> Pager: Person for Lisle Township:
Name:	<u>Jim Vondran</u> 0)968-2087 Fax: (630)960-1857 E-Mail: jimv@lisletownship.com
	0)968-2081 Fax: (630)960-1857 E-Mall: jimv@lisletownship.com
Home Phone:	Cell: Pager:
Please sign and	return a copy of the complete contract for our files to:
	ntal Mosquito Management, Inc., Attn: Emily Glasberg Charles, IL 60174 or email to <u>eglasberg@clarke.com</u>





2015-2017 Proposal



# Clarke Environmental Mosquito Management, Inc., Client Agreement Authorization for The 2015-2017 Lisle Township Environmental Mosquito Management (EMM) Program

I. **Program Payment Plan:** For Parts I, II, III, and IV as specified in the 2015-2017 Professional Services Price Outline, the total for the 2015-2017 program is \$50,100 per year. The payments will be due on June 1<sup>st</sup>, July 1<sup>st</sup>, August 1<sup>st</sup>, & September 1<sup>st</sup> according to the payment schedule below. Any additional treatments beyond the core program will be invoiced when the treatment is completed. Program pricing for 2016 and 2017 will be held at 2015 rates.

## **PROGRAM PAYMENT PLAN**

Month	2015-2017
June 1	\$12,525.00
July 1	\$12,525.00
August 1	\$12,525.00
September 1	\$12,525.00
TOTAL	\$50,100.00

## For Lisle Township:

Sign Name:	Richard J Toulo 1	Title: _	SUPERVISOR	Date:	2/11/15			
For Clarke Environmental Mosquito Management, Inc.:								
Name:	Bring Glasberg	Title:	Key Accounts Manager	Date:	1/8/15			