



**Clarke Environmental Mosquito Management, Inc.,
Professional Services Outline for
The 2021-2023 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™) 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™.
 - 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.
5. 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. Adulthooding 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. 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.

2021-2023 EMM Total Annual Price for Parts I, II, III, IV**

\$50,850.00

****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.



**Clarke Environmental Mosquito Management, Inc.,
Client Agreement Authorization for
The 2021-2023 Lisle Township
Environmental Mosquito Management (EMM) Program**

I. Program Payment Plan: For Parts I, II, III, and IV as specified in the 2021-2023 Professional Services Price Outline, the total for the 2021-2023 program is \$50,850 per year. The payments will be due on June 1st, July 1st, August 1st, & September 1st according to the payment schedule below. Any additional treatments beyond the core program will be invoiced when the treatment is completed. Program pricing for 2022 and 2023 will be held at 2021 rates.

PROGRAM PAYMENT PLAN

Month	2021-2023
June 1	\$12,712.50
July 1	\$12,712.50
August 1	\$12,712.50
September 1	\$12,712.50
TOTAL	\$50,850.00

For Lisle Township:

Sign Name: Mary Jo Mullen Title: Supervisor Date: 11/11/2020

For Clarke Environmental Mosquito Management, Inc.:

Name: Emily Glasberg Title: Key Accounts Manager Date: 10/5/2020



**Clarke Environmental Mosquito Management, Inc.,
 Client Authorization for
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 Environmental Mosquito Management (EMM) Program**

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 Lisle Township:

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

Alternate Contact Person for Lisle Township:

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
 675 Sidwell Ct. St Charles, IL 60174 or email to eglasberg@clarke.com