



**Clarke Environmental Mosquito Management, Inc.,  
Professional Services Outline for  
The 2021-2023 Lisle Township  
Environmental Mosquito Management (EMM) Program**

**ADDENEDUM**

**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: 6 inspections
  - 1. Six (6) targeted inspections of up to 37 known *Culex spp.* breeding areas as determined by the Clarke Targeted Mosquito Management System™.
  - 2. 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 treatment of up to 15 acres with single brood or 30 day residual product with backpack or hand equipment.
  - 2. Catch Basins: One (1) treatment of up to 700 street side catch basins, inlets and manholes using a sustained release insecticide for control of up to 180 days.



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

- A. Adulticiding in Residential Areas:
  - 1. As authorized, community-wide truck ULV treatments of up to 78.0 miles of streets using Anvil® or synthetic pyrethroid insecticide will be performed at a rate of \$4,600.00 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.

**2022 & 2023 EMM Total Annual Price for Parts I, II, III, IV\*\***

**\$12,000.00**

**\*\*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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