



Clarke Environmental Mosquito Management, Inc. 2023-2027 Service Agreement | Village of Homer Glen

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 – citizens may report nuisance mosquitos at www.clarkeportal.com/hotline or 800-942-2555
- E. Comprehensive Insurance Coverage naming Village of Homer Glen 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 customer 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: (#) inspections
 - 1. Three (3) complete inspections of all sites as outlined by most recent Clarke GIS Survey.
 - 2. Inspections of sites called in by residents on the Mosquito Hotline.
- C. Prescription Larval Control treatments will be performed with *Bacillus sphaericus*, *Bacillus thuringiensis israelensis* - Bti, methoprene, temephos, Natular®, and Spinosad mosquito larvicide as described in the following sections.
 - 1. The program provides for larviciding with backpack or hand equipment



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Part IV. Adult Control will be performed with Duet, Biomist, or other pyrethroid mosquito adulticide as described in the following sections.

- A. Adulticiding in Residential Areas:
 - 1. Three (3) community-wide truck ULV treatments of all miles of streets using Duet, Biomist®, or other pyrethroid insecticide.
 - 2. Homerfest treatments included.
- 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.

Total 2023 Estimated Price ** \$35,980.00
 2023-2027 Cost held at \$35,980.00

For The Village of Homer Glen:

Sign Name:  Title: MAYOR Date: 8-14-23

For Clarke Environmental Mosquito Management Inc.:

Name:  Title: Control Consultant Date: 5/25/2023
 Jack Thennisch