

**Clarke Environmental Mosquito Management, Inc.**  
**Professional Services Outline For**  
**The 2006 Village of Malta**  
**Environmental Mosquito Management 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 Village of Malta additionally insured
- F. Program Consulting and Quality Control Staff

**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 Village of Malta representative and inform him of the impending brood arrival.
- B. Arbovirus Surveillance
- C. Clarke New Jersey Light Trap Network
- D. Weather Monitoring – Operational Forecasts

**Part III. LARVAL CONTROL**

- A. Targeted Mosquito Management System (TMMS™) computer database and site management.
- B. Larval Site Monitoring: 3 inspections
  - 1. Three (3) complete inspections of fourteen (14) sites at \$273.00 per inspection, or \$819.00 for the season.
  - 2. Inspections of sites called in by residents on the Mosquito Hotline.
- C. Prescription Larval Control with VectoBac® (*Bacillus thuringiensis israelensis* - Bti) at \$65.65 per acre, or \$328.25 for the season.
- D. Catch Basin Control: Two (2) treatments of up to one hundred eleven (119) catch basins, inlets and manholes with VectoLex® or a 30-day sustainable slow release insecticide at \$4.55 per catch basin, or \$1,173.90 for the season.

**Part IV. ADULT CONTROL**

- A. **Adulticiding in Residential Areas:**
  - 1. **Four(4) community-wide truck ULV treatments of all miles of streets with Mosquitomist® or synthetic pyrethroid insecticide. Any authorized community ULV treatments will be priced at \$651.00 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.**

**2006 Estimated Payment Total Cost for Parts I, II, III, IV**

**\$4,925.15**



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**Clarke Environmental Mosquito Management, Inc.  
Customer Agreement and Authorization  
The 2006 Village of Malta  
Environmental Mosquito Management Program**

I. **Program Payment Plan.** For Parts I, II, III, and IV as specified in the 2006 contract. Each authorized application will be invoiced after performed.

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

Please check one of the following contract periods:

2005 thru 2007 Season  
(costs not to exceed 5% over previous season)

(New areas to be covered in 2006 - 2007 will be pro-rated to the program cost at the rates in effect at the time.)

**For the Village of Malta:**

Sign Name: Dimitri G. M. G. G. Title: Village President Date: 5/29/06

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

Name: Jack Thennisch Title: Control Consultant Date: 5-22-06  
Jack Thennisch



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