

STATE OF ILLINOIS        )  
  ) SS  
COUNTY OF DU PAGE     )

I, Lynn Curiale, City Clerk of Wood Dale, Illinois DO HEREBY CERTIFY that as such City Clerk and keeper of the records, that the foregoing is a true and correct copy of Resolution #R-21-67 A RESOLUTION APPROVING AN AGREEMENT BETWEEN THE CITY OF WOOD DALE AND CLARKE ENVIRONMENTAL MOSQUITO MANAGEMENT, INC. FOR THE 2022-2024 ENVIRONMENTAL MOSQUITO MANAGEMENT AND GYPSY MOTH PROGRAM IN AN AMOUNT NOT TO EXCEED \$68,124

Passed by The City of Wood Dale, Du Page County, Illinois, IN WITNESS WHERE OF, I have hereunto subscribed my name and affixed the seal of the City of Wood Dale, this 21<sup>st</sup> day of October, 2021.



Lynn Curiale, City Clerk

SEAL



Resolution #R-21-67

**A RESOLUTION APPROVING AN AGREEMENT BETWEEN THE CITY OF  
WOOD DALE AND CLARKE ENVIRONMENTAL MOSQUITO  
MANAGEMENT, INC. FOR THE 2022-2024 ENVIRONMENTAL MOSQUITO  
MANAGEMENT AND GYPSY MOTH PROGRAM IN AN AMOUNT NOT TO  
EXCEED \$68,124**

Passed: October 21, 2021  
Published in Pamphlet Form: October 22, 2021

I, Lynn Curiale, as the City Clerk for the City of Wood Dale, hereby certify that the  
attached Resolution is a true and correct copy of #R-21-67  
**A RESOLUTION APPROVING AN AGREEMENT BETWEEN THE CITY OF  
WOOD DALE AND CLARKE ENVIRONMENTAL MOSQUITO  
MANAGEMENT, INC. FOR THE 2022-2024 ENVIRONMENTAL MOSQUITO  
MANAGEMENT AND GYPSY MOTH PROGRAM IN AN AMOUNT NOT TO  
EXCEED \$68,124**

Passed and approved by the City Council of the City of Wood Dale on October 21, 2021  
and hereby published in pamphlet on October 22, 2021.



Lynn Curiale, City Clerk



**RESOLUTION NO. R-21-67**

**A RESOLUTION APPROVING AN AGREEMENT BETWEEN THE CITY OF WOOD DALE AND CLARKE ENVIRONMENTAL MOSQUITO MANAGEMENT, INC. FOR THE 2022-2024 ENVIRONMENTAL MOSQUITO MANAGEMENT AND GYPSY MOTH PROGRAM IN AN AMOUNT NOT TO EXCEED \$68,124**

**WHEREAS**, the City of Wood Dale (hereinafter referred to as the "City") is a duly organized and existing body politic and corporate governed by the provisions of the Illinois Municipal Code, 65 ILCS 5/1-1-1, *et seq.*, and its own duly adopted Municipal Code; and

**WHEREAS**, the City is authorized and empowered under the Illinois Municipal Code, and its Ordinances adopted pursuant thereto, to enter into agreements and to contract for goods and services; and

**WHEREAS**, the Mayor and the City Council of the City seek to ensure that the City is run effectively and efficiently; and

**WHEREAS**, the Mayor and the City Council of the City, seeks the **CLARKE ENVIRONMENTAL MOSQUITO MANAGEMENT, INC.** for the **2022-2024 ENVIRONMENTAL MOSQUITO MANAGEMENT AND GYPSY MOTH PROGRAM**; and

**WHEREAS**, these services are necessary to maintain and promote an effective and efficient City Government; and

**WHEREAS**, after diligent review of the qualifications and services of **CLARKE ENVIRONMENTAL MOSQUITO MANAGEMENT, INC.**, the Mayor and the City Council find **CLARKE ENVIRONMENTAL MOSQUITO MANAGEMENT, INC.** is the most qualified firm to perform the duties sought by the City; and

**NOW, THEREFORE, BE IT RESOLVED BY THE CITY OF WOOD DALE, DUPAGE COUNTY, AN ILLINOIS CORPORATION**, as follows:

**SECTION 1:** The recitals set forth above are incorporated herein and made a part hereof.

**SECTION 2:** The Mayor is authorized to execute said Agreement on behalf of the City of Wood Dale, which signature shall be attested to by the City Clerk.

**SECTION 3:** The City Manager, staff and/or the City Attorney shall take the steps necessary to put the terms and conditions of the Agreement into effect.

**SECTION 4:** That all ordinances and resolutions, or parts thereof in conflict with the provisions of this Resolution are, to the extent of such conflict, hereby repealed.

**SECTION 5:** That this Resolution shall be in full force and effect from and after its adoption, approval and publication in pamphlet form as provided by law.

PASSED this 21<sup>st</sup> day of October, 2021.

AYES: 8

NAYS: 0

ABSENT: 0

APPROVED this 21<sup>st</sup> day of October, 2021.

SIGNED: Annunziato Pulice  
Annunziato Pulice, Mayor

ATTEST: Lynn Curiale  
Lynn Curiale, City Clerk



**Clarke Environmental Mosquito Management, Inc.,  
Professional Services Outline for  
The 2022-2024 City of Wood Dale  
Environmental Mosquito Management (EMM)  
And Gypsy Moth 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 City of Wood Dale 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 City of Wood Dale representative and inform him of the impending brood arrival.)
- B. Survey & Mapping
- C. Arbovirus Surveillance:
  - 1. Gravid Trap: Operation of two (2) traps to collect *Culex* mosquitoes. Mosquitoes will be collected, identified to species, and pooled for disease assay. Samples will be tested at Clarke laboratories for West Nile Virus.
  - 2. Clarke New Jersey Light Trap Network: Operation of two (2) traps within the City of Wood Dale to monitor and evaluate adult mosquito activity.
  - 3. Clarke New Jersey Light Trap Network to monitor & evaluate adult mosquito activity.
- D. Weather Monitoring – Operational Forecasts

**Part III. Larval Control**

- A. Targeted Mosquito Management System (TMMS™) computer database and site management.
- B. Larval Site Monitoring: Twelve (12) inspections
  - 1. Three (3) complete inspections of up to 98 sites as outlined by most recent Clarke GIS Survey.
  - 2. Six (6) targeted inspections of up to 25 breeding areas as determined by the computerized Clarke Targeted Mosquito Management System™.
  - 3. Three (3) targeted inspections of up to 15 known *Culex spp.* breeding areas as determined by the computerized Clarke Targeted Mosquito Management System™.
  - 4. Swimming pool (stagnant) inspections of stagnant swimming pools with larval development as requested by City.



5. 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®.
  1. Larval Control: The program provides for treatment of neglected backyard swimming pools to be treated with 30 day residual product for control of mosquito larvae.
  2. Larval Control: Stocking of 1,000 mosquito fish (*Gambusia affinis*) for biological control.
  3. Catch Basins: One treatment of up to 4,500 catch basins, inlets and manholes using NaturlarXRT® or an extended residual slow release insecticide for up to 180 day control.
  4. Catch Basins: Treatment of up to 50 backyard catch basins called in by residents or municipality using NaturlarXRT® or an extended residual slow release insecticide for up to 180 day control.

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

- A. Adulticiding in mosquito harborage areas:
  1. Truck / ATV Ultra Low Volume (ULV) treatments using Duet ® for up to 15 community special events, including Movies in the Park, National Night Out, and Prairie Fest.
  2. Three (3) truck harborage treatments of special route using Duet ®.
  3. Barrier treatments of park area to reduce re-infestation using a synthetic pyrethroid insecticide for community special events.
  4. Six (6) backpack barrier treatments using a synthetic pyrethroid insecticide of known harborage areas for residual control of adult mosquitoes.
- B. Adulticiding in Residential Areas:
  1. Six (6) community-wide truck ULV treatments of up to 76.5 miles of streets using Duet ® or approved alternative pyrethroid insecticide. Any additionally authorized community treatments will be priced at \$4,590.00 per application.
- C. 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.

#### **Part V. Gypsy Moth Control**

- A. **General Services:** Clarke Environmental Mosquito Management, Inc. shall perform the following general services as part of the program:
  1. Provide Insurance: Policies shall name the City of Wood Dale as an additional insured with respect to liability arising out of the services and operations to be performed by Clarke Environmental Mosquito Management, Inc. for the City of Wood Dale pursuant to this Contract and shall be in effect for the entire period during which services are performed. Clarke Environmental Mosquito, Inc. shall provide certificates of insurance to the City of Wood Dale as evidence of such policies prior to performing services.



2. Perform a pre-application reconnaissance flight over the spray zone.
3. Provide ground crew support for fueling and loading the aircraft.

**B. Aerial Application:**

1. Clarke Environmental Mosquito Management, Inc. shall perform two (2) helicopter applications of a 274 acre gypsy moth infested spray zone. The pilot shall apply Foray 48B at 4 pints per acre and utilize an altitude flight pattern and insecticide swath width to achieve maximum coverage.
2. The City of Wood Dale Gypsy Moth applications shall be billed on a per application basis, at a rate of \$38.00 per acre for a total of \$20,824.00, which includes two applications.

<b>2022-2024 EMM Payment Total Price for Parts I, II, III, IV**</b>	<b>\$47,300.00</b>
<b>2022-2024 EMM Payment Total Price for Part V</b>	<b>\$20,824.00</b>

**\*\*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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**Clarke Environmental Mosquito Management, Inc.,  
Client Agreement Authorization for  
The 2022-2024 City of Wood Dale  
Environmental Mosquito Management (EMM) Program**

**I. Program Payment Plan:** For Parts I, II, III, and IV as specified in the 2022-2024 Professional Services Price Outline, the total for the 2022-2024 program is \$47,300.00. 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>, and October 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. Pricing for the 2023 and 2024 program will be held at 2022 rates.

For Part V (Gypsy Moth), two (2) helicopter applications will be performed over a specific spray zone within City of Wood Dale during 2022-2024 seasons to achieve control of a gypsy moth infestation. My signature serves to indicate full understanding of our intent to have Clarke Environmental Mosquito Management, Inc. perform helicopter gypsy moth control operations for the City of Wood Dale during the 2022-2024 seasons pending approval of a Congested Area Operations Plan by the FAA. The City of Wood Dale accepts responsibility for all notification(s) to spray zone as required fulfilling FAA regulations. The price of the City of Wood Dale Program is specified above in section "VB2", and shall be paid on a per application basis.

**PROGRAM PAYMENT PLAN**

<b>Month</b>	<b>2022-2024</b>
June 1 <sup>st</sup>	\$9,460.00
July 1 <sup>st</sup>	\$9,460.00
August 1 <sup>st</sup>	\$9,460.00
September 1 <sup>st</sup>	\$9,460.00
October 1 <sup>st</sup>	\$9,460.00
<b>TOTAL</b>	<b>\$47,300.00</b>

**II. Approved Contract:**

**For City of Wood Dale:**

Sign Name: *Annunzio Pulicè* Title: Mayor Date: 10/21/2021

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

Name: *Emily Glasberg* Title: Key Accounts Manager Date: 9/13/2021  
Emily Glasberg



**Clarke Environmental Mosquito Management, Inc.,  
Client Authorization for  
The 2022-2024 City of Wood Dale  
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.\*\***

**Contact Person for City of Wood Dale:**

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

**Alternate Contact Person for City of Wood Dale:**

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](mailto:eglasberg@clarke.com)