



**Seminole County Mosquito Control  
Regular Meeting of the  
Advisory Board  
Bldg 149 Bush Loop  
5-Points  
Sanford, Florida 32773  
November 8, 2007  
10:00 AM  
MINUTES**



**Call to Order**

10:05 a.m. by Horvath

**1) Roll Call / Report**

**Present:**

Edward Horvath, Mosquito Control Program Manager

David Dovan, City of Lake Mary  
Spraying not required this month.

Mike Insley, City of Altamonte Springs  
Mosquito complaints have slowed down.

Steve Spenser, City of Casselberry  
Barrier spraying at parks and last month for larvaciding.

Marie Duffy, City of Sanford  
Spraying an average of 2 nights per week

Ryan Spinella, City of Longwood  
Spraying not required this month.

Vincent Peluso, City of Oviedo  
Sprayed earlier in the month. Advised committee to call 407-971-5668 for information on complaints.

**Absent:**

Alan Hill, City of Winter Springs

**Also Present:**

Sherri Harless, Roads-Stormwater Division  
No report

**2) Approval of the Agenda**

Approved as presented

**3) Approval of the Minutes**

Motion to approve agenda by Dovan and seconded by Spenser. 7 yes, 0 No, 0 abstain, 1absent.

**Motion passed.**

**4) Old Business**

i) MOA approved by BCC on October 9<sup>th</sup>  
(Attached)

**ii) Operating Procedures for Mosquito Control Program**

Horvath stated that the Program needed Goals and Objectives. There also needs to be a basis of Integrated Mosquito Management practices for the Countywide Program. These have been

developed as a starting point for the future Policies, Ordinances and overall operations of the Program.

Horvath presented this document to the Board. With the exception of a couple errors, the document was accepted by the Board. Peluso stated that we need to work on SOPs (Standard Operational Procedures). Horvath informed him that this was the starting point for what he is thinking about.

Motion to approve this Document (attached) as amended by Peluso and seconded by Spenser. 7 yes, 0 No, 0 abstain, 1 absent. **Motion passed.**

**iii) Information needed from Cities**

**1) Larva Sources**

**2) No Spray Locations**

Casselberry will provide at the next meeting, Lake Mary will send, Altamonte Springs provided Edward with maps.

**5) New Business**

**i) Status of Program**

Chemicals have been ordered. Program Specialist begins December 3<sup>rd</sup>, the 2 Team Leader positions are currently posted.

**ii) Source Reduction Projects**

Currently working on issue in Winter Springs and Lake Mary.

**iii) Pesticide Use Plans**

Horvath requested list of sprays private companies are using, as well as locations.

The County is requesting the Cities continue to spray during the phase in period. The County will begin larvaciding once the Team Leader positions have been filled (possibly early spring).

Discussion regarding GIS support. Horvath working closely with GIS Analyst, Lakshmi Sankaran.

Discussion regarding mosquito spraying of private property, as well as addressing the issue of gated communities.

The County is currently working on educational outreach programs.

Cities discussed how they would like to receive their complaints. This information will be forwarded to Horvath.

**Adjournment**

Horvath adjourned the meeting at 11:10 A.M.

Next Regular Meeting: December 13, 2007, at 10:00 A.M.

CERTIFIED COPY  
MARYANNE MORSE  
CLERK OF CIRCUIT COURT  
SEMINOLE COUNTY, FLORIDA

MEMORANDUM OF AGREEMENT

BY Caylon Cole  
DEPUTY CLERK

**THIS AGREEMENT** is made and entered into this 29 day of Oct., 2006, by and between SEMINOLE COUNTY, a political subdivision of the State of Florida, whose address is Seminole County Services building, 1101 East First Street, Sanford, Florida 32771, hereinafter referred to as COUNTY; and CITY OF ALTAMONTE SPRINGS, a Florida municipal corporation, whose address is 225 Newburyport Avenue, Altamonte Springs, Florida 32710, thereafter referred to as ALTAMONTES SPRINGS; and CITY OF CASSELBERRY, a Florida municipal corporation, whose address is 95 Triplet Lake Drive, Casselberry, Florida 32707, hereinafter referred to as CASSELBERRY; and CITY OF LAKE MARY, a Florida municipal corporation, whose address is Post Office Box 725, Lake Mary, Florida 32746, hereinafter referred to as LAKE MARY; and CITY OF LONGWOOD, A Florida municipal corporation, whose address is 175 West Warren Avenue, Longwood, Florida 32750, hereinafter referred to as LONGWOOD; and CITY OF OVIEDO, a Florida municipal corporation, whose address is Post Office Box 159, Oviedo, Florida 32765, hereinafter referred to as OVIEDO; and CITY OF SANFORD, a Florida municipal corporation, whose address is Post Office Box 1778, Sanford, Florida 32772-1778, hereinafter referred to as SANFORD; and CITY OF WINTER SPRINGS, a Florida municipal corporation, whose address is 1126 East

State Road 434, Winter Springs, Florida 32708, hereinafter referred to as WINTER SPRINGS.

**WITNESSETH:**

**WHEREAS,** ALTAMONTE SPRINGS, CASSELBERRY, LAKE MARY, LONGWOOD, OVIEDO, SANFORD AND WINTER SPRINGS shall collectively hereinafter be referred to as CITIES; and

**WHEREAS,** the parties hereto have the common power to implement programs and services affecting the health, safety and welfare of citizens within their respective geographic jurisdictions; and

**WHEREAS,** to protect the interest of the public health, the Joint City-County Advisory Committee recommended the implementation of a County-wide science based Mosquito Control Program (Program) that is focused on integrated pest management; and

**WHEREAS,** the parties desire to eliminate duplication and waste from the existing separate implementation of mosquito control programs; implement a comprehensive public education component to such programs and encourage source reduction and minimization of chemicals utilized; and

**WHEREAS,** the CITIES desire to contract with the COUNTY for the provision of said services; and

**WHEREAS**, the COUNTY is agreeable to providing these services pursuant to the terms and conditions hereinafter set forth; and

**WHEREAS**, this Agreement is authorized pursuant to Section 163.01, Florida Statutes, which provides for the exercise, by Agreement of two or more public agencies, of any power common to them,

**NOW, THEREFORE**, in consideration of the mutual understandings and covenants set forth herein, the parties agree as follows:

**SECTION 1. PREAMBLE.** The foregoing statements are true and correct and form a material part of this Agreement upon which the parties have relied.

**SECTION 2. PURPOSE.** The purpose of this Agreement is for the COUNTY to provide the following services to the CITIES in the manner hereinafter set forth:

A. The COUNTY shall:

1. Operate the Program within its Department of Public Works as described in the Addendum attached hereto and incorporated herein;
2. Implement the Program over a three (3) year time period;
3. Conduct mosquito control activities within the geographic boundaries of the CITIES;
4. Conduct aerial spraying on an as-needed basis in accordance with the CITIES approval and all applicable Federal, state and local regulations;

5. Establish an Advisory Committee comprised of one (1) designated representative from the COUNTY and one (1) designated representative from each of the member CITIES to address implementing the Program and customer related service issues.

The CITIES shall:

1. Designate a representative to participate in the Advisory Committee established pursuant to Section 2.A.5 above.
2. Cooperate in good faith and in a timely manner with all parties to this Agreement with regard to the subject matter of said Agreement.

**SECTION 3. EMPLOYEE STATUS.** Persons employed by any party in the performance of services and functions pursuant to this Agreement shall have no claim to pension, workers' compensation, unemployment compensation, civil service or other employee rights or privileges granted to the other parties' officers and employees either by operation of law or by the party.

**SECTION 4. NOTICES.** Whenever a party desires to give notice to another party, notice may be sent to:

**For COUNTY:**

Board of County Commissioners  
Carlton D. Henley, Chairman  
1101 East First Street  
Sanford, FL 32773

**For CASSELBERRY:**

Thelma McPherson, Clerk  
City of Casselberry  
95 Triplet Lake Drive  
Casselberry, FL 32707

**For ALTAMONTE SPRINGS:**

Patsy Wainright, Clerk  
City of Altamonte Springs  
225 Newburyport Avenue  
Altamonte Springs, FL 32701

**For LAKE MARY:**

Carol Foster, Clerk  
City of Lake Mary  
Post Office Box 725  
Lake Mary, FL 32746

**For LONGWOOD:**

Sarah M. Mirus, Clerk  
City of Longwood  
175 West Warren Avenue  
Longwood, FL 32750

**For SANFORD:**

Janet R. Dougherty, Clerk  
City of Sanford  
Post Office Box 1778  
Sanford, FL 32772-1778

**For OVIEDO:**

Barbara Barbour, Clerk  
City of Oviedo  
Post Office Box 159  
Oviedo, FL 32765

**For WINTER SPRINGS:**

City of Winter Springs  
Andrea Lorenzo-Luaces, Clerk  
1126 East State Road 434  
Winter Springs, FL 32708

Any of the parties may change, by written notice as provided herein, the addresses or persons for receipt of notices.

**SECTION 5. PUBLIC RECORDS LAW.** The parties acknowledge their obligations pursuant to Chapter 119, Florida Statutes, to release public records created in accordance with this Agreement to members of the public upon request.

**SECTION 6. COUNTERPARTS AND HEADINGS.** This Agreement may be executed simultaneously and in any number of counterparts, each of which shall be deemed an original, but all of which shall constitute one and the same instrument. The headings herein set out are for convenience and reference only and shall not be deemed a part of this Agreement.

**IN WITNESS WHEREOF,** the parties to this Agreement have caused their names to be affixed hereto by the proper officers thereof.

# ADDENDUM

## **Mosquito Control Program Description:**

As recommended by the Joint City/County Advisory Committee, and endorsed by all of the municipalities and the BCC, a science-based countywide integrated mosquito control program has been developed. It has been proposed to be implemented over a three year period. The proposed implementation schedule is as follows:

### Year 1 (FY06/07):

- Hire Manager and senior staff assistant positions (2 positions).
  - Division Manager or Principal Engineer (PB8) level position recommended, due to Florida DACS Bureau of Entomology and Pest Control, Mosquito Control Laws requires a "Director" have a four year degree in science or engineering and at least two years of work experience in mosquito control, in order to have "state certified" program, eligible for annual state reimbursement.
- Continue to use existing contracted program, while developing in-house program.
  - Existing contract expires June 2007. Extension or other contract action needed over three year implementation.
- Cities will continue separate programs, but begin coordination with Manager.
- Develop implementation plan.
- Purchase of one vehicle and office equipment.
- Develop Advisory Board (as outlined by Joint City/County Advisory Committee and BCC)

### Year 2 (FY07/08)

- Hire technical staff (3 positions)
  - Customer Service Specialist
  - Principal Coordinators (2): Scientist & GIS
- Purchase capital equipment for program.
- Begin implementation plan.
  - Continue contract spraying, but begin to phase in the in-house program activities, such as larvicide, trapping, and educational programs.
  - Cities continue to individual spray programs but begin integration of other activities (listed previously).
- Initiate Advisory Committee.

### Year 3 (FY08/09)

- Hire field staff (7 positions)
  - 1 Senior Team Leader (Field Supervisor PB6)
  - 2 Senior Technicians (PB5)
  - 2 Technicians (PB4)
  - 2 Associate Technicians (PB3)
- Continue limited contract for spraying only through June 2009, but discontinue use of spraying services once sufficient number of field staff are hired and/or trained.
  - Fully implement countywide program.
  - Discontinue separate city programs.



ATTEST:

CITY OF OVIEDO

\_\_\_\_\_  
BARBARA Barbour, Clerk

By: \_\_\_\_\_  
Thomas G. Walters, Mayor

ATTEST:

CITY OF SANFORD

*Janet R. Dougherty*  
\_\_\_\_\_  
Janet R. Dougherty, Clerk

By: *Linda Kuhn*  
\_\_\_\_\_  
Linda Kuhn, Mayor

ATTEST:

CITY OF WINTER SPRINGS

\_\_\_\_\_  
Andrea Lorenzo-Luaces, Clerk

By: \_\_\_\_\_  
John F. Bush, Mayor

SED/sb  
9/8/06

Attachment: Addendum

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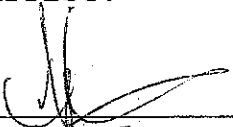
ATTEST:

\_\_\_\_\_  
BARBARA Barbour, Clerk

ATTEST:

\_\_\_\_\_  
Janet R. Dougherty, Clerk

ATTEST:

  
\_\_\_\_\_  
Andrea Lorenzo-Luaces, Clerk

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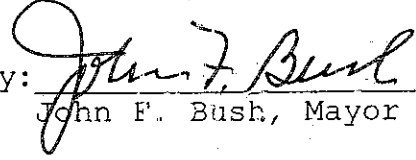
CITY OF OVIEDO

By: \_\_\_\_\_  
Thomas G. Walters, Mayor

CITY OF SANFORD

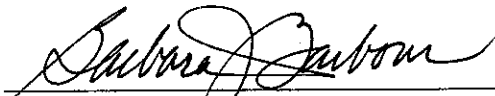
By: \_\_\_\_\_  
Linda Kuhn, Mayor

CITY OF WINTER SPRINGS

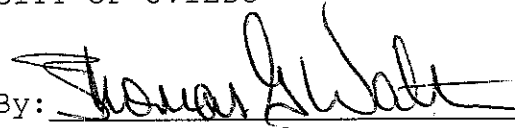
By:   
\_\_\_\_\_  
John F. Bush, Mayor



ATTEST:

  
\_\_\_\_\_  
BARBARA Babbour, Clerk

CITY OF OVIEDO

By:   
\_\_\_\_\_  
Thomas G. Walters, Mayor

ATTEST:

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Janet R. Dougherty, Clerk

CITY OF SANFORD

By: \_\_\_\_\_  
Linda Kuhn, Mayor

ATTEST:

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Andrea Lorenzo-Luaces, Clerk

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John F. Bush, Mayor

SED/sb  
9/8/06

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ATTEST:

Maryine Dree  
Clerk to the Board of  
County Commissioners of  
Seminole county Florida.

For the use and reliance  
Of Seminole County only.  
Approved as to form and  
legal sufficiency.

Sharon E. Dietrich 10-24-07  
County Attorney

BOARD OF COUNTY COMMISSIONERS  
SEMINOLE COUNTY, FLORIDA

BY: Carlton Henley  
CARLTON D. HENLEY, Chairman

Date: 10-29-07

As authorized for execution  
by the Board of County  
Commissioners in their 10/19,  
2006, regular meeting.

ATTEST:

Patsy Wainright, Clerk

CITY OF ALTAMONTE SPRINGS

By: Russel E. Hauck, Mayor

ATTEST:

Thelma McPherson, Clerk

CITY OF CASSELBERRY

By: Bob Goff, Mayor

ATTEST:

Carol Foster, Clerk

CITY OF LAKE MARY

By: Thomas C. Greene, Mayor

ATTEST:

Linda F. Goff  
Linda F. Goff, Deputy City Clerk

CITY OF LONGWOOD

By: John C. Maingot, Mayor

ATTEST:

\_\_\_\_\_  
BARBARA Barbour, Clerk

ATTEST:

\_\_\_\_\_  
Janet R. Dougherty, Clerk

ATTEST:

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Andrea Lorenzo-Luaces, Clerk

SED/sb  
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Thomas G. Walters, Mayor

CITY OF SANFORD

By: \_\_\_\_\_  
Linda Kuhn, Mayor

CITY OF WINTER SPRINGS

By: \_\_\_\_\_  
John F. Bush, Mayor



ATTEST:

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BARBARA Barbour, Clerk

By: \_\_\_\_\_  
Thomas G. Walters, Mayor

ATTEST:

CITY OF SANFORD

\_\_\_\_\_  
Janet R. Dougherty, Clerk

By: \_\_\_\_\_  
Linda Kuhn, Mayor

ATTEST:

CITY OF WINTER SPRINGS

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Andrea Lorenzo-Luaces, Clerk

By: \_\_\_\_\_  
John F. Bush, Mayor

SED/sb  
12/27/06

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ATTEST:

\_\_\_\_\_  
BARBARA Barbour, Clerk

CITY OF OVIEDO

By: \_\_\_\_\_  
Thomas G. Walters, Mayor

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\_\_\_\_\_  
Janet R. Dougherty, Clerk

CITY OF SANFORD

By: \_\_\_\_\_  
Linda Kuhn, Mayor

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John F. Bush, Mayor

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ATTEST:

CITY OF OVIEDO

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BARBARA Barbour, Clerk

By: \_\_\_\_\_  
Thomas G. Walters, Mayor

ATTEST:

CITY OF SANFORD

\_\_\_\_\_  
Janet R. Dougherty, Clerk

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Linda Kuhn, Mayor

ATTEST:

CITY OF WINTER SPRINGS

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Andrea Lorenzo-Luaces, Clerk

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## MOSQUITO CONTROL

### **GOALS:**

The goals of the Program are to prevent new mosquito sources from developing, to abate existing mosquito populations and their sources in order to protect public health and comfort, to reduce the level of mosquito populations throughout the County, as well as reduce mosquito and human interaction.

### **A. OBJECTIVES**

The principal objective of the Seminole County Mosquito Control Program and the basic reason for the formation of the Program is to provide a countywide, consolidated means for preventing the transmission of West Nile Virus, Encephalitis and other mosquito borne diseases through the reduction of its primary vector, the mosquito.

Secondary objectives which will be accomplished by the coordinated efforts to affect mosquito control are:

1. Freedom from mosquito annoyance.
2. Improved conservation of water, better water use and disposal practice.
3. Increased use and enjoyment of our patios, parks, golf courses, vacation areas, and swimming pools by the relief from mosquito annoyance.
4. Increase efficiency of employees in outdoor occupations.
5. Reclamation of land as a result of water management with minimum impact to habitat of fish and wildlife.
6. Attention toward mosquito control will reflect upon other unsanitary conditions requiring a community effort for correction.

### **B. BASIC PRINCIPLES**

The following principles shall be used in the overall operation of the Program.

1. Education, both in service and of the community, shall be continually carried on.
2. A Countywide Mosquito Control Program shall be continually carried on, based on incorporation of permanent control measures aimed at progressive reduction of known mosquito breeding sources, as well as such larvaciding measures as are required.
3. Adult mosquito control measures are to be included as a secondary type of control, except under epidemic conditions.
4. Entomological services shall be continually carried on to determine effectiveness of control operations, sources of mosquitoes, species of mosquitoes, as well as necessity of larvae and adult mosquito control measures.
5. Methods, equipment and materials shall be reliable, efficient and used with precision by trained personnel.
6. Assist property owners in abating breeding places by providing consulting services.
7. Insecticides, oil or other chemicals shall be applied in accordance with the label.
8. Arthropods other than mosquitoes will not be controlled by the Program except as such control may be coincidental to mosquito control.

## **INTEGRATED PEST MANAGEMENT (IPM)**

### **SEMINOLE COUNTY'S MOSQUITO CONTROL POLICY:**

The Seminole County Mosquito Control Program and the American Mosquito Control Association (AMCA) advocates management of mosquito populations when and where necessary by means of integrated programs designed to benefit or to have minimal adverse effects on people, wildlife, and the environment. This integrated pest management (IPM) policy recognizes that mosquito populations cannot always be eliminated but often must be suppressed to tolerable levels for the well-being of humans, domestic animals, and wild life and that selection of scientifically sound suppression methods must be based on consideration of what is ecologically and economically in the long-term best interest of mankind.

### **The following principles are advocated:**

- Mosquito control measures should be undertaken only when there is adequate justification based upon surveillance data.
- IPM programs should be tailored to the needs and requirements of the local situation. The combination of methods for mosquito control should be chosen after careful consideration of the efficacy, ecological effects, and costs versus benefits of the various options, including public education, legal action, natural and biological control, elimination of breeding sources, and insecticide applications.
- Mosquito breeding sources, whether natural or created by human activity should be altered in such a manner as to cause the least undesirable impact on the environment.
- Insecticides and application methods should be used in the most efficient and least hazardous manner, in accordance with all applicable laws and regulations and available scientific data. The registered label requirements for insecticide should be followed. When choices are available among effective insecticides, those offering the least hazard to non-target organisms should be used. Insecticides should be chosen and used in a manner that will minimize the development of resistance in the mosquito population.
- Personnel involved in IPM programs should be properly trained and supervised, and certified in accordance with relevant laws and regulation, and should keep current with improvements in management techniques through continuing education and/or training programs.

All methods and materials used by the County are based on these principles outlined by AMCA.