



## **Staff Report**

**Subject:** Mosquito/Vector control-St. Louis County

**Department/Program:** Public Works - Property Services

**Explanation:**

Mosquito Control

St. Louis County Health Department will again provide mosquito control services for the City of Ballwin. The County provides two distinct types of treatments: larviciding and adulticiding. Larviciding consists of applying mosquitocide products directly to standing water known to breed mosquitoes. Typical sites include creeks and swampy or low-lying areas. Larviciding is scheduled in advance and depends upon the weather. St. Louis County anticipates beginning larviciding in mid-April and fogging in May.

Adulticiding (trucks spraying for adult mosquitoes) is not done on a regular schedule. Instead, the County decides by 6pm on Sundays where spraying will occur that evening. They analyze recent surveillance information (mosquito traps) and then spray where mosquitoes are worst. The County records a message on their hotline at 314-614-4BUG (615-4284) listing where they intend to spray that evening (or, occasionally, the following morning before sunrise). Residents may report mosquito problems by calling the County Health Department at (314) 615-0680 and the City of Ballwin Public Works Department a 636-227-9000

**Recommendation:** Staff recommends the City of Ballwin continue the contract with St. Louis County along with our program spraying for Mosquitos.

**Submitted By:** Jim Link, Director of Public Works

**Date:** 3/18/2024



**SAINT LOUIS COUNTY**  
Public Health

To whom it may concern,

I wanted to reach out to you today to inform you that, according to our records, your contract with Saint Louis County Department of Public Health regarding vector prevention and abatement services for your municipality has or will be expiring soon. Should you wish to renew your service, I have included a new contract for your review and signature. Conversely, if you do not have a contract for services and are interested in contracting with Saint Louis County Department of Public Health to provide vector prevention and abatement services for your municipality, we have provided more information regarding these services for your review and consideration. The Saint Louis County Department of Public Health Vector-Borne Disease Prevention Program provides full-scale vector prevention and abatement services for the majority of Saint Louis County which includes all contracted municipalities and all unincorporated areas. Services provided include the following: adult mosquito surveillance, laboratory testing of field-collected adult mosquitoes for the presence of arboviral disease, larvicidal treatment of mosquito breeding sites, Ultra-Low Volume (ULV) and barrier applications for the control of adult mosquitoes, and comprehensive rodent abatement in public areas.

Vector prevention and abatement services are particularly important in protecting the public from vector-borne diseases. Mosquitoes are competent vectors for many arboviruses such as West Nile, Saint Louis Encephalitis, Zika, Dengue, and Chikungunya while rodents are competent vectors for Salmonella, Leptospirosis, and Tularemia. Rodents are also capable of indirectly spreading tick-borne diseases such as Ehrlichiosis, Rocky Mountain Spotted Fever, Heartland Virus, and Bourbon Virus by carrying infected ticks. Furthermore, rodents can cause extensive damage by contaminating properties with their urine and feces, gnawing on structures and wiring, and extensive burrowing can undermine concrete slabs and foundations and increase erosion to stream banks.

Saint Louis County Department of Public Health strives to provide the best service possible to protect the health of our residents and visitors from the threat of vector-borne disease. All operations are conducted in accordance with Integrated Pest Management (IPM) principles which are overseen by Vector Control Specialists who are licensed and certified by the Missouri Department of Agriculture in Public Health Pest Control. IPM principles are prevention and abatement measures that are surveillance-driven, meaning that surveillance dictates when abatement measures are warranted and what abatement methods are selected and applied in a manner that reduces pesticide resistance and

**OPPORTUNITY  
CENTRAL**

minimizes risks to human health, non-target species, beneficial organisms, and the environment.

Vector Prevention Services provided will include all of the following services:

### 1. Surveillance

The Saint Louis County Vector-borne Disease Prevention Program conducts surveillance for roughly 523 square miles of Saint Louis County, monitoring 234 preselected trap sites throughout the County. Mosquito traps are set five nights a week, Sunday - Thursday, and picked up the following morning. Adult mosquitoes collected from these trap sites are identified for medically significant species, sorted and laboratory tested for arboviruses. Surveillance data determines if and when adult mosquito abatement is necessary. Adult mosquito abatement will occur only when trap and test data show that high numbers of mosquitoes with the capability of spreading disease are present and/or those mosquitoes have tested positive for disease. There is no additional charge for this service.

### 2. Larviciding

Currently there are over 6000 known breeding sites within Saint Louis County that are regularly monitored throughout the mosquito season. Types of sites monitored include ditches, ponds, lakes, creeks, canals, swamps, marshes, sewers, storm water detention basins, and any other areas on public property where standing water is present, and the potential exists for mosquito breeding to occur. Sites in which mosquito breeding is identified or where conditions show a high potential for mosquito breeding are treated with an appropriate EPA-registered mosquito larvicide in accordance with the product label. Whenever possible, environmentally friendly mosquito abatement products and application methods are used to minimize potential impacts to beneficial organisms and the environment.

### 3. Adulticiding

The Saint Louis County Vector-borne Disease Prevention Program conducts nighttime Ultra-Low Volume (ULV) mosquito adulticide applications on public roads, using truck mounted ULV machines, focusing treatments in areas where surveillance data has identified an abundance of medically significant species of mosquitoes and/or areas where those mosquitoes have tested positive for arbovirus. In addition, the Vector-borne Disease Prevention Program may apply adult mosquito barrier applications in public areas, such as parks, ball fields, or outdoor event areas, where conditions and criteria warrant the application of a barrier treatment. Barrier treatments are conducted upon reasonable

advance request only and are applied at the discretion of the Saint Louis County Vector-borne Disease Prevention Program.

#### 4. Rodent Abatement

Rodent abatement provided by the Vector-borne Disease Prevention Program is a request-driven service that provides rodent abatement for the reduction of Norway Rat populations in public areas within the contracting municipality. A Vector Control Specialist will investigate reports of rat activity on public and private property as a reactive approach to rodent control. Reported rodent activity will initiate an investigation by a Vector Control Specialist in the area of the complaint. Based on the specialist's findings, proper abatement methods are utilized in public areas according to Integrated Pest Management protocols, using only EPA registered rodenticides. Public areas where Norway Rat activity has been identified will be re-treated by prescribed methods as indicated on rodenticide labeling until rodent activity has been eradicated. If rodent activity is noted on private property, residents will receive professional recommendations on abatement and exclusion of rodents and/or the resident is advised to contact a licensed private pest control operator to treat their property. Per licensing restrictions, Saint Louis County cannot apply rodenticides on private property or provide residents with rodenticides.

Fees for the 2024 season are as follows:

Surveillance/Testing - No Charge  
Larviciding - \$72.00/Hour  
Adulticiding- \$102.00/Hour  
Rodent Abatement - \$48.00/Hour

Should you wish to renew or begin services, please:

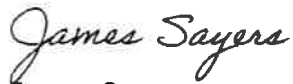
- 1) Fill out the attached contact information form
- 2) Prepare an ordinance/resolution for authority approval (template attached)
- 3) Email the above completed documents to Andrea Zeilman at [AZeilman@stlouiscountymo.gov](mailto:AZeilman@stlouiscountymo.gov)

Once proper documentation is received, the signing authority will sign the contract electronically via DocuSign (signing platform subject to change). Click the link in the email to sign the contract electronically. A fully executed copy of the contract will be sent to the contact person indicated in the information sheet.

The Vector-borne Disease Prevention Program is committed to providing the best service possible in accordance to Integrated Pest Management protocols. Your timely response is

appreciated. Should you have any questions, please feel free to contact me via email ([JSayers@stlouiscountymo.gov](mailto:JSayers@stlouiscountymo.gov)) or phone at 314-615-0654.

Sincerely,

A handwritten signature in cursive script that reads "James Sayers".

James Sayers  
Environmental Manager  
Vector-Borne Disease Prevention Program  
Saint Louis County Department of Public Health



**SAINT LOUIS COUNTY**  
Public Health

Thank you for choosing St. Louis County for Vector Abatement Services. Below are instructions for completing your contract.

**STEP 1:**

Complete the following information.

Municipality Name: \_\_\_\_\_

Name of contact for this contract: \_\_\_\_\_

Contact's email address: \_\_\_\_\_

Contact's phone number: \_\_\_\_\_

Contact's address: \_\_\_\_\_

\_\_\_\_\_

Name of person authorized to sign the contract: \_\_\_\_\_

Signing Authority's direct email address: \_\_\_\_\_

Ordinance or Resolution Number that Authorizes the contract: \_\_\_\_\_

**STEP 2:**

Email this form AND a copy of the signed ordinance/resolution to Andrea Zeilman at [azeilman@stlouiscountymo.gov](mailto:azeilman@stlouiscountymo.gov).

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**STEP 3:**

Once the proper documentation is received, the signing authority will receive the contract to sign electronically via DocuSign. Click the link in the email to sign the contract. A fully executed copy of the contract will be sent to the contact person listed above.

**QUESTIONS:**

For questions regarding the contract process, please contact Andrea Zeilman at [azeilman@stlouiscountymo.gov](mailto:azeilman@stlouiscountymo.gov) or 314-615-6408

For questions regarding vector abatement services, please contact James Sayers at [jsayers@stlouiscountymo.gov](mailto:jsayers@stlouiscountymo.gov) or 314-615-0654

BILL NO.: 37

ORDINANCE NO.: 37-2024

AN ORDINANCE AUTHORIZING THE (CITY/VILLAGE) OF Smithville  
TO ENTER INTO AND EXECUTE A CONTRACT WITH ST. LOUIS COUNTY, MISSOURI FOR  
VECTOR CONTROL SERVICES AND AUTHORIZING AND DIRECTING THE City Manager  
OF THE (CITY/VILLAGE) OF Smithville TO ENTER INTO ON  
BEHALF OF SAID (CITY/VILLAGE) A CONTRACT WITH ST LOUIS COUNTY, MISSOURI FOR  
VECTOR CONTROL SERVICES.

BE IT ORDAINED BY THE Council OF THE (CITY/VILLAGE) OF Smithville  
AS FOLLOWS:

SECTION 1           The (Mayor/City Manager/Chairman of the Board of Trustees) is  
authorized to execute a Contract with St. Louis County, Missouri,  
whereby said County, by and through its Department of Public Health,  
will provide Vector Control Services within said (City/Village).

SECTION 2           The (City/Village) shall compensate St. Louis County, Missouri for  
services rendered at the hourly rate set forth in the contract and as  
such rates are changed in accordance with the terms and conditions  
of the contract between the (City/Village) and St. Louis County,  
Missouri.

SECTION 3           After execution thereof, this agreement shall be in effect for five (5)  
years. Either party may terminate the contract by written notice at  
least thirty (30) days prior thereto.

ADOPTED: March 13, 2024

APPROVED: March 15, 2024

  
(Mayor/City Manager/Chairman of the Board of Trustees)

ATTEST: Suzie Simmons  
(City/Village) Clerk



Bill No. \_\_\_\_\_

Ordinance No. \_\_\_\_\_

**AN ORDINANCE**

AUTHORIZING THE Choose One OF \_\_\_\_\_ TO ENTER INTO AND EXECUTE A CONTRACT WITH ST. LOUIS COUNTY, MISSOURI FOR VECTOR CONTROL SERVICES AND AUTHORIZING AND DIRECTING THE Choose One: OF THE Choose One OF \_\_\_\_\_ TO ENTER INTO ON BEHALF OF SAID Choose One A CONTRACT WITH ST LOUIS COUNTY, MISSOURI FOR VECTOR CONTROL SERVICES.

BE IT ORDAINED BY THE \_\_\_\_\_ OF THE Choose One OF \_\_\_\_\_ AS FOLLOWS:

SECTION 1      The Choose One: \_\_\_\_\_ is authorized to execute a Contract with St. Louis County, Missouri, whereby said County, by and through its Department of Public Health, will provide Vector Control Services within said Choose One: \_\_\_\_\_.

SECTION 2      The Choose One: \_\_\_\_\_ shall compensate St. Louis County, Missouri for services rendered at the hourly rate set forth in the contract and as such rates are changed in accordance with the terms and conditions of the contract between the Choose One: \_\_\_\_\_ ad St. Louis County, Missouri.

SECTION 3      After execution thereof, this agreement shall be in effect for five (5) years. Either party may terminate the contract by written notice at least thirty (30) days prior thereto.

ADOPTED: \_\_\_\_\_

APPROVED: \_\_\_\_\_

\_\_\_\_\_  
Choose One:

ATTEST: \_\_\_\_\_  
Choose One: Clerk

Bill No. \_\_\_\_\_

Ordinance No. \_\_\_\_\_

**AN ORDINANCE**

AUTHORIZING THE (CITY/VILLAGE) OF \_\_\_\_\_ TO ENTER INTO AND EXECUTE A CONTRACT WITH ST. LOUIS COUNTY, MISSOURI FOR VECTOR CONTROL SERVICES AND AUTHORIZING AND DIRECTING THE \_\_\_\_\_ OF THE (CITY/VILLAGE) OF \_\_\_\_\_ TO ENTER INTO ON BEHALF OF SAID (CITY/VILLAGE) A CONTRACT WITH ST LOUIS COUNTY, MISSOURI FOR VECTOR CONTROL SERVICES.

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BE IT ORDAINED BY THE \_\_\_\_\_ OF THE (CITY/VILLAGE) OF

\_\_\_\_\_ AS FOLLOWS:

- SECTION 1. The (Mayor/ City Manager/ Chairman of Board of Trustees) is authorized to execute a Contract with St. Louis County, Missouri, whereby said County, by and through its Department of Public Health, will provide Vector Control Services within said (City/Village).
- SECTION 2. The (City/Village) shall compensate St. Louis County, Missouri for services rendered at the hourly rate set forth in the contract and as such rates are changed in accordance with the terms and conditions of the contract between the (City/Village) and St. Louis County.
- SECTION 3. After execution thereof, this agreement shall be in effect for five (5) years. Either party may terminate the contract by written notice with at least thirty (30) days prior thereto.

ADOPTED: \_\_\_\_\_

APPROVED: \_\_\_\_\_

\_\_\_\_\_  
(Mayor/ City Manager/Chairman of Board of Trustees)

ATTEST: \_\_\_\_\_  
(City/Village Clerk)

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**wd: 2024 Contract Renewal - Vector-Borne Disease Prevention Services**

essage

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rgan Freeman <mfreeman@ballwin.mo.us>

Fri, Mar 15, 2024 at 11:02 /

Denise Keller <denisekeller@ballwin.mo.us>, Eric Sterman <esterman@ballwin.mo.us>, James Link <jlink@ballwin.mo.us>

----- Forwarded message -----

From: 'Sayers, James' via City Clerk <cityclerk@ballwin.mo.us>

Date: Fri, Mar 15, 2024 at 11:00 AM

Subject: 2024 Contract Renewal - Vector-Borne Disease Prevention Services

To: Sayers, James <JSayers@stlouiscountymo.gov>

Cc: Zeilman, Andrea <AZeilman@stlouiscountymo.gov>

To whom it may concern,

wanted to reach out to inform you that, according to our records, your contract with Saint Louis County Department of Public Health regarding vector prevention and abatement services for your municipality has or will be expiring soon. Should you wish to renew your service, I have enclosed the required contract renewal instructions and documents for your review and submittal. Conversely, if you do not have a contract for services and are interested in contracting with Saint Louis County Department of Public Health to provide vector prevention and abatement services for your municipality, we have provided more information regarding these services along with the required documents and submittal instructions for your review and consideration.

Should you have any questions regarding the contract process, please contact Andrea Zeilman at [azeilman@stlouiscountymo.gov](mailto:azeilman@stlouiscountymo.gov) or 314-615-6408

Should you have any questions regarding vector abatement services, please contact James Sayers at [jsayers@stlouiscountymo.gov](mailto:jsayers@stlouiscountymo.gov) or 314-615-0654

Sincerely,

James Sayers

Environmental Manager

Vector-Borne Disease Prevention Program

Saint Louis County Dept. of Public Health

10521 Baur Blvd.

Olivette, MO 63132

314-615-0654 (Office)

[sayers@stlouiscountymo.gov](mailto:sayers@stlouiscountymo.gov)

<https://stlouiscountymo.gov/st-louis-county-departments/public-health/vector-borne-disease-prevention/>

### Disclaimer






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Marketing & Communications Specialist/City Clerk  
City of Ballwin  
**phone** 636.207.2359  
**website** [www.ballwin.mo.us](http://www.ballwin.mo.us)



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## 5 attachments

-  **2024 VBDP Renewal Letter.pdf**  
135K
-  **2024 VBDP Municipal Information.pdf**  
332K
-  **2024 VBDP Municipal Ordinance Example.pdf**  
792K
-  **2024 Vector Ordinance - TEMPLATE.pdf**  
121K
-  **2024 VBDP Municipal Ordinance BLANK.pdf**  
74K



CITY OF BALLWIN  
14811 Manchester Road, Ballwin, MO 63011

BILL NO. 3870

ORDINANCE NO. 15-11

INTRODUCED BY  
ALDERMEN TERBROCK, FINLEY, STALLMANN, SCHWENT, FLEMING, LEAHY, KERLAGON, BOLAND

**AN ORDINANCE AUTHORIZING THE CITY OF BALLWIN TO ENTER INTO AND EXECUTE A CONTRACT WITH ST. LOUIS COUNTY, MISSOURI FOR THE MOSQUITO CONTROL SERVICE, AND AUTHORIZING AND DIRECTING THE CITY ADMINISTRATOR OF THE CITY OF BALLWIN TO ENTER INTO ON BEHALF OF SAID CITY, A CONTRACT WITH ST. LOUIS COUNTY, MISSOURI FOR MOSQUITO CONTROL SERVICE.**

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF ALDERMEN OF THE CITY OF BALLWIN, ST. LOUIS COUNTY, MISSOURI, AS FOLLOWS:

SECTION ONE: The City Administrator is authorized to execute a contract with St. Louis County, Missouri, whereby said County, by and through its Department of Health will perform mosquito control service within said City.

SECTION TWO: The City shall compensate St. Louis County, Missouri for services rendered at the hourly rate set forth in the contract and as such rates are changed in accordance with the terms and conditions of the contract between the City and County.

SECTION THREE: All ordinances or parts of ordinances in conflict herewith are to the extent of such conflict repealed.

SECTION FOUR: This ordinance shall take full force and effect from and after the date of its passage by the Board of Aldermen and approval of the Mayor.

PASSED this 23 day of Feb, 2015.

  
TIM POGUE, MAYOR

APPROVED this 23 day of Feb, 2015.

  
TIM POGUE, MAYOR

ATTEST:   
ROBERT KUNTZ, CITY ADMINISTRATOR

County, as agreed to by Municipality. This contract term is for a total of 5 years, which includes initial one-year term and annual renewals. Either party may terminate this contract upon thirty days written notice.

By: [Signature] St. Louis County, Missouri  
County Executive

Attest:

[Signature]  
Administrative Director

Approved As To Legal Form:

[Signature]  
County Counselor 3-16-15

APPROVED:

[Signature] 3/12/15  
Director, Department of Health

APPROVED:

[Signature]  
Accounting Officer

MUNICIPALITY

Ballwin

(name of)

By: [Signature]  
(Signature of authorized individual)

Robert Kuntz C.A.  
(Type name/title of authorized individual)

ATTEST:

[Signature]  
City/Village Clerk