



RFQ: 2025-2028 Aerial Mosquito Control Pesticide Application Services

Due Date:

12:00 PM MST

December 5th, 2024

Submitted to:

Mosquito Abatement District – Davis

Gary Hatch, Manager

85 North 600 West

Kaysville, UT 84037

Telephone: (801) 544-3736; Email: ghatch@davismosquito.org

Salt Lake City Mosquito Abatement District

Ary Faraji, Executive Director

2215 North 2200 West

Salt Lake City, UT 84116

Telephone: (801) 355-9221; Email: ary@slcmad.org

Submitted by:

Vector Disease Control International (VDCI)

3800 Airport Rd, Hanger N748

Ogden, UT 84405

Telephone: (844) 213-3340; Email: vdci.net

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1. LETTER OF INTEREST

December 1st, 2024

Dear Salt Lake City MAD and Mosquito Abatement District – Davis,

Thank you for considering Vector Disease Control International (VDCI) as your potential provider for aerial adulticiding and larviciding mosquito control operations. Enclosed please find a copy of our bid. Our bid is all-inclusive, with the exception to chemical. The price per acre includes all program costs loading, water & fuel transportation equipment, supplies, materials, equipment, labor, supervision, personnel, GIS capabilities, post mapping, public relations, aircraft located locally for fast response time, etc. VDCI maintains and operates its own fleet of aircraft, all of which are dedicated for mosquito control use only.

At VDCI, we realize that the cost of aerial treatments is an important consideration for everyone. We also realize that aerial operations often spawn intense political and environmental debates. For these reasons, we take every measure possible to ensure the most effective control at the best possible price. We hope that it is evident from our extensive use of technology, trained staff, and properly maintained equipment that our primary objective whenever we apply pesticides is to achieve the greatest possible level of insect reduction. Thereby, we can reduce the risk of crop damage in as quickly and environmentally accountable manner as possible. This commitment to excellence can be evidenced by our investment in the AIMMS-20 weather system and Wingman™ GX application system. Together, these instruments allow us to not only apply the proper amount of product in the proper treatment area, but they also allow us to depict precisely where the product has drifted. Consequently, pesticide application is maximized in the target area and the risk to adjacent, non-target areas is greatly minimized.

Specifically, VDCI shall furnish:

- Aircraft certified by the Federal Aviation Administration (FAA) to apply pesticide and able to comply with all requirements of FAR Part 137, Agricultural Operation including single engine climb performance.
- Aircraft equipped with the latest GPS-enabled aerial spray guidance system.
- Pilots that are fully licensed, experienced, and qualified to conduct aerial applications.
- Equipment and staff capable of loading and handling pesticide.
- Comprehensive reports and post spray maps following each application.
- An approved FAA Congested Area Plan and Low-Level Waiver.

Please feel free to contact me, at any time, with questions or concerns regarding our proposal.

Sincerely,



Jay Sandridge
Business Development Director
Vector Disease Control
(C) 540.908.7747
(E) jsandridge@vdc.net

2. COMPANY BACKGROUND / HISTORY

Vector Disease Control International is a full-service aerial application company offering a wide variety of insect control services, including aerial and ground applications, surveillance, disease monitoring, and GIS mapping. We have been a leading provider of aerial application services for the suppression of adult and larval mosquitoes throughout the United States for nearly 32 years. VDCI will serve this contract from our Ogden-based location. This location serves as VDCI primary location for the maintenance of our aerial fleet for operations in the western region of the country.



VDCI is a licensed aerial application business with spray systems, handling systems, and qualified personnel to implement program services in full compliance with local, state, and federal regulations. All pesticide handling will be done in strict accordance with all federal, state, and local regulations. Records of all pesticide application will comply with USDA requirements and will be maintained and properly stored. These records will be made available to federal, state, or local agencies upon request.

3. SUMMARY OF RELATED EXPERIENCE

VDCI is a licensed aerial application business with spray systems, handling systems, and qualified personnel to implement program services in full compliance with local, state, and federal regulations.

VDCI is a nationwide mosquito/vector control service provider, with mosquito management operations in over 25 states. We currently serve over 200 municipal and government agencies across the country. VDCI has been providing aerial mosquito control services to municipalities/government entities since 1992. We own and operate 14 aircraft that are dedicated year-round to mosquito control services. As a company, VDCI employs 200+ full-time employees that are fully committed to mosquito control. As the largest aerial mosquito control company in the country, we provide the organization structure and manpower to tackle any requirement related to aerial mosquito control.

Our aerial application specialists have more than 100 years of combined aerial application experience, over 25,000 hours of aerial adulticiding, and extensive experience in large scale disaster relief programs.



4. LETTERS OF REFERENCE



December 4, 2024

To Whom It May Concern,

The West Umatilla Mosquito Control District in Hermiston, Oregon has utilized Vector Disease Control International (VDCI) since 2008 to service our large scale aerial adulticide operations, most recently in August of 2024. During this time, we have worked with many pilots and administrators employed by VDCI and have found them to be knowledgeable, competent, and professional. I would not hesitate to give my highest recommendation to VDCI to serve as your aerial contractor.

If you have any questions or need additional information, please feel free to contact me at 541-567-5201.

Regards,

Randy Gerard

Randy Gerard
WUMCD District Manager



North Morrow Vector Control District

"We bite Mosquitoes Back."

- 3 Marine Drive/ P.O. Box 192 • Boardman, Oregon 97818 • 541.481.6082 Voice
541.481.6082 Fax (by request)

Email: gbarron@centurytel.net

December 4, 2024

To Whom It May Concern,

I am writing this letter as a reference for the aerial services of Vector Disease Control International (VDCI). VDCI has been our contingency aerial adulticide mosquito control contractor over the last several years. We have been extremely happy with VDCI and look forward to working with them in the future.

Respectfully,

Greg Barron, Manager

P.O. Box 192 / 3 Marine Dr.

Boardman, OR 97818

gbarron@centurytel.net

481-6082

SACRAMENTO-YOLO
MOSQUITO
& VECTOR
CONTROL
DISTRICT

SACRAMENTO COUNW
8631 BOND ROAD
ELK GROVE, CA 95624
FAc 916.685.5464

YOLO COUNW
1234 FORTNA AVENUE
WOODLAND, CA 95776

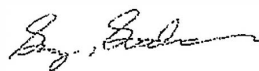
1.800.429. 1022
FIGHTtheBITE.net

To Whom It May Concern,

The Sacramento-Yolo Mosquito and Vector Control District (District) has been utilizing the services of Vector Disease Control International (VDCI) for aerial applications of adult mosquito control products since 2005. VDCI is an efficient contractor that provides a quality service for a fair price, VOCI has always been very responsive in dealing with the Districts varied requests over the years. It is our experience that they conduct themselves with the utmost professionalism and strive to meet the needs of their customers.

The District has a current contract with VDCI that requires a plane to be stationed in our service zone for our exclusive use. There are times when the plane requires mandatory service or our needs are more than one plane can handle. VDCI has always been able to accommodate our treatments with additional aircraft when our primary plane is either out for service or our acreage is too much for one plane.

I highly recommend VDCI as an excellent contractor for adult mosquito control applications. Feel free to contact me if you have any questions about our experience with VDCI.



Gary Goodman
General Manager
Sacramento-Yolo Mosquito & Vector Control District

5. PROOF OF LIABILITY INSURANCE



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

11/14/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must have **ADDITIONAL INSURED** provisions or be endorsed. If **SUBROGATION** IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Edgewood Partners Insurance Center 5909 Peachtree Dunwoody Road, Suite 800 Atlanta GA 30328	CONTACT NAME: Certificate Unit PHONE (A/C. No. Ext): 404-781-1700 FAX (A/C. No): E-MAIL ADDRESS: certificate@epicbrokers.com
INSURED Vector Disease Control International, LLC. Rentokil North America, Inc. (VDC455) 1320 Brookwood Drive, Suite H Little Rock AR 72202-1412	INSURER(S) AFFORDING COVERAGE INSURER A: ACE American Insurance Company INSURER B: ACE Property and Casualty Insurance Co INSURER C: Allianz Underwriters Insurance Company INSURER D: Starr Indemnity & Liability Company INSURER E: Old Republic Insurance Company INSURER F:

License#: 0B29370
RENTOKI-01**COVERAGES** **CERTIFICATE NUMBER:** 522584540 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC OTHER:			OGLG27240331	10/1/2024	10/1/2025	EACH OCCURRENCE \$5,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$5,000,000 MED EXP (Any one person) \$10,000 PERSONAL & ADV INJURY \$5,000,000 GENERAL AGGREGATE \$5,000,000 PRODUCTS - COMP/OP AGG \$5,000,000 \$
E	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY			MWTB 318783 24	10/1/2024	10/1/2025	COMBINED SINGLE LIMIT (Ea accident) \$8,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			XOOG27239420	10/1/2024	10/1/2025	EACH OCCURRENCE \$5,000,000 AGGREGATE \$5,000,000 \$
E	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N <input checked="" type="checkbox"/> N	N/A	MWC 318781 24	10/1/2024	10/1/2025	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$2,000,000 E.L. DISEASE - EA EMPLOYEE \$2,000,000 E.L. DISEASE - POLICY LIMIT \$2,000,000
C D	CPL (Excluding Aerial Ops) Aviation Liability/Chemical Drift			USL03016524 1000642289-03	10/1/2024 10/1/2024	10/1/2025 10/1/2025	Ea Incident/Aggregate \$5,000,000 Each Occurrence \$10M/\$1M (\$4M-Agg)

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
CPL = Contractor's Pollution Liability

CERTIFICATE HOLDER**CANCELLATION**

EVIDENCE OF COVERAGE

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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6. PILOT / STAFF QUALIFICATIONS

PILOT INFORMATION / QUALIFICATIONS

See “Attachment E” for pilot information / qualifications.

STAFF QUALIFICATIONS

See below for the key personnel assigned to this program –

Michael McGaha, *Chief Pilot*

Michael is a United States Marine Corp. veteran. During his time in the agricultural spraying industry, Michael has accumulated 1000’s of hours of flight time completing aerial applications to manage mosquito populations and control fires. Michael facilitates the safety, training, and operational activities of VDCI’s pilots. He also works with the FAA to obtain proper registration and ensures the safe operation of mosquito planes.

Gary Simonton, *Director of Aviation Maintenance*

Gary is a 25-year veteran of the U.S. Air Force. His aviation experience in the military includes many success stories. He developed process improvements, surpassed compliance objectives, and was successful at reducing costs. Gary spent 12 years in a senior management role, and in his last position was responsible for the communicated status and strategic direction of over 2,000 employees.

Jay Sandridge, *Director of Business Development*

Jay has 11+ years of government contracting experience for aerial mosquito control. His duties include identifying and developing strategic partnerships and facilitating contractual discussions.

ATTACHMENT A: BIDDER INFORMATION

Bidders Company Name:

Vector Disease Control International (VDCI)

Address:

1320 Brookwood Drive

Little Rock, AR 72202

Print Name: Jay Sandridge

Position With Company: Business Development Director

Signature: *Jay Sandridge*

Phone # 540-908-7747

FAX #: 866-839-8595

Email: jsandridge@vdcil.net

Date: 11/29/2024

ATTACHMENT B: AIRCRAFT

Model	Year	Dedicated to this contract Yes / No	Adulticiding and / or Larviciding	Spray System(s)
PA-31 Navajo Chieftain	1979	Yes	Adulticiding	Micronair AU4000 Rotary Atomizers
Air Tractor AT-502B	2008	Yes	Larviciding	Factory installed spreader spray system

ATTACHMENT C: AERIAL SPRAY CHARACTERISTICS

Adulticiding

Aircraft	ULV Spray System	Height above ground	Air speed	Swath Width (ft)
N37989	Micronair AU4000 Rotary Atomizers	300 ft.	150 mph	1,000 ft.

Larviciding

Aircraft	Granular / Liquid Spray System	Height above ground	Air speed	Swath Width (ft)
N647LA	Factory installed spreader spray system	50 ft.	130 mph	90 ft.

ATTACHMENT D: CALIBRATION

CALIBRATION:

Provide brief description of calibration method to be used:

VDCI implements Drop Vision to determine the Droplet VMD. VDCI practices an active quality assurance system to ensure that all our work is performed to the highest possible standards of operational safety and efficacy. VDCI has a very stringent policy on maintaining the aircraft and equipment to the highest level. Throughout the season we routinely inspect and calibrate all application equipment.

Adulticiding

Droplet size:

30-50 Microns

Flow rate:

.75 oz./acre (or as directed by the customer)

Swath width:

1,000 ft.

Larviciding

Flow rate:

7 lbs. per acre (or as directed by the customer)

Evenness of granular distribution:

90 ft. swath has an even distribution that is confirmed during annual characterization.

Swath width:

90 ft.

ATTACHMENT E: PILOT INFORMATION

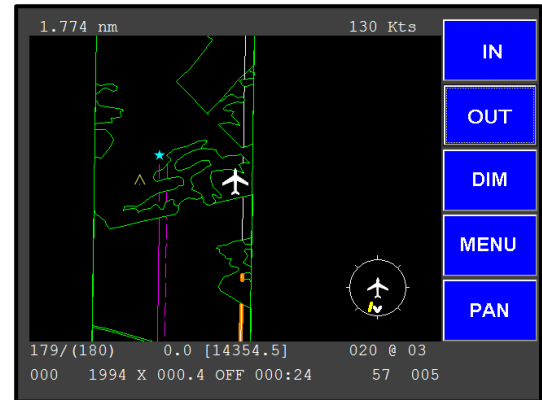
Name	Dedicated to Contract or Back up	Mosquito Control Hours Using GPS		
		Larviciding	Adulticiding	Location/District/State
Michael McGaha	Dedicated	1,000+	3,000+	Various
Tyler Edwards	Dedicated		600+	Various
Tim Metivier	Back-up		4,000+	Various
Jack Weesies	Back-up		200+	Various
Jamie Lewis	Back-up		200+	Various
Dylan Booker	Back-up		250+	Various

***All listed pilots have 1,000+ hours experience as pilot-in-command (PIC) of fixed-wing aircraft.**

ATTACHMENT F: GLOBAL POSITIONING SYSTEM (GPS) EQUIPMENT

Wingman GX

The Wingman™ GX navigational system instructs the pilot to the spray area(s), indicates areas of spray on and off, including no spray areas, and updates relevant swath offsets (based on real time weather data received from the AIMMS-20 weather system). Upon completion of the application, spray mission data will then be overlaid on the original maps graphically illustrating where treatment has taken place and the predicted deposition of effective chemical. These maps can be printed out or stored in a database.



Sat-Loc

Each aircraft will utilize a Sat-Loc for GPS navigation during the application flight. Each system will:

- Be capable of GPS (Global Positioning Satellite) guidance with gridline capabilities. The system shall have an accuracy of zero (0) to ten (10) feet and be used on *all* aerial spray missions.
- Will process onboard meteorology accurate within less than one (1) knot; a two (2) degree vector and less than one (1) degree in temperature to be used for optimization in real-time and detection of a temperature inversion.

VDCI will have each spray block's report available within 24 (twenty-four) hours of completion, we feel our reports should contain at a minimum:

- Post spray GPS maps of treated area
- The volume of pesticide applied (in OZ and or pounds per acre)
- The date and time of application
- The name of the pesticide applied
- Model and tail number of aircraft used for application
- Name of pilot(s) and State licenses number

Aircraft Communication

VDCI aircraft have Nav/Com radios capable of direct communication to Air Traffic Control (ATC) and ground crews during every VDCI aerial application mission.

ATTACHMENT G: WEATHER MONITORING

AIMMS-20

The importance of meteorology in spray efficiency cannot be over emphasized. VDCI utilizes the on-board AIMMS-20 weather system on all of our aircraft for optimization of each spray mission. Measurements of wind speed and direction are continually noted throughout the spray mission at release altitude using an AIMMS-20 unit mounted on



the aircraft's wing. The 'real time' weather data is received by the Wingman™ GX navigation system and the data is incorporated into the system allowing the spray path to be adjusted accordingly to give optimal deposition in the target spray area. The Wingman™ GX navigation system utilizes spray model data created by the US AG Department (AG-Drift) for its outputs so that maximum densities of optimally sized droplets are overlaid in the treatment zone. The model also incorporates specific aircraft type data, chemical data and weather data.

ATTACHMENT H: OGDEN HINKLEY AIRPORT PERMISSION



To: Gary Simonton
Aerial Division Director of Maintenance
3800 Airport Rd, Hangar N748
Ogden, UT 84405

I find that Vector Disease Control International's operation at the Ogden-Hinckley Airport has been and remains an excellent tenant. I appreciate the professionalism that VDCI brings to the airport and the region. It is my pleasure to endorse their request for a tenant-in-good-standing recommendation, and I hope VDCI will remain a tenant at the Ogden-Hinckley Airport for many years to come.

Regards

Brian Condie C.M

Airport Director
Ogden-Hinckley Airport
Ogden Utah
801-678-9097

ATTACHMENT I: REFERENCES

REFERENCES

List References for Past Aerial Pesticide Applications in Mosquito Control (if none list references for similar application experience.):

Name of Company/District: West Umatilla Mosquito Control District

Contact Person: Randy Gerard, Manager

Phone #: 541-567-5201 Fax #: N/A

Email: Randy.Gerard@wumcd.org

Address: 3005 South 1st St.

Hermiston, OR 97838

Name of Company/District: North Morrow Vector Control District

Contact Person: Greg Barron, Manager

Phone #: 541-481-6082 Fax #: N/A

Email: gbarron@centurytel.net

Address: P.O. Box 192

Boardman, OR 97818

Name of Company/District: Sacramento Yolo Mosquito & Vector Control District

Contact Person: Gary Goodman, Director

Phone #: 800-492-1022 Fax #: N/A

Email: gwgoodman@fightthebite.net

Address: 8631 Bond Road

Elk Grove, CA 95624

ATTACHMENT J: SAFETY RECORDS

SAFETY RECORD

List any claims filed against the Bidder, Bidders insurance, bidder's subcontractors or any of pilots resulting from aerial spray operations:

None.

List any citations from or reportable events to the Federal Aviation Administration or State Department of Agriculture(s) in the past 10 years:

None.

ATTACHMENT K: PRICING

Pricing: Fixed-Wing Aerial ULV Adulticiding		
Application Only		
<u>Product</u>	<u>Application Rate</u> (Oz./Acre)	<u>Total Price Per Acre</u>
Dibrom (Naled)	0.75	\$ 0.85
Pricing: Fixed-Wing Aerial Granular Larviciding		
Application Only		
<u>Product</u>	<u>Application Rate</u> (Lbs./Acre)	<u>Price Per Acre</u>
Granular BTI	Up to 10 lbs. per acre	\$ 8.00
<p><i>*Price Per Acre is to remain firm for the first contract year. In subsequent contract years, either party may request, in writing at least thirty (30) days in advance from the initial contract start date, an increase/decrease in the price per acre. Price increase/decrease shall not exceed the percentage increase/decrease of the "Services" category of the CPI-W SECTION OF THE CONSUMER PRICE INDEX of the United States Bureau of Labor Statistics for the latest twelve-month period for which statistics are available.</i></p>		