

# **UNFINISHED BUSINESS**

## **#1**

# Anastasia Mosquito Control District of St. Johns County

120 EOC Drive, St. Augustine, Florida 32092

PH: (904) 471-3107 • Fax (904) 471-3189 • Web Address: [www.amcdsjc.org](http://www.amcdsjc.org)

## 2020 MEMO

DISTRICT DIRECTOR

Dr. Rui-De Xue



BOARD OF COMMISSIONERS:

Jeanne Moeller, Chairperson  
Trish Becker, Vice-Chairperson  
Don Girvan, Secretary/Treasurer  
Gary Howell, Commissioner  
Gina LeBlanc, Commissioner

**TO: Board of Commissioners**

**FROM: Dr. Rui-De Xue, Director and Mr. Richard Weaver, Business Manager**

**CC: Charolette M. Hall, Administrative Assistant**

**DATE: December 10, 2020**

**RE: Approval of Committee Recommendation for Health, Dental, and Life Insurance (2021)**

The Insurance Committee received and reviewed the health insurance rates and plans from Florida Blue (9 plans), and United Health Care (7 plans). AMCD's current plan had a 8.53% increase. Review of the other Florida Blue plans showed one plan had a - 11.43% decrease in cost but had almost a 100% increase in the deductible, the other plans had higher deductibles and co-pays and the smallest increase was at 8.55%. United Health Care plans showed one plan had a -0.20% decrease in cost but had almost a 100% increase in the deductible and no out of network coverage the other plans had higher deductibles and co-pays and the smallest increase was at 6.41%. The lower cost options presented would alter the employee coverage by increasing the deductible and out of network costs, adding co-pays and removing currently allowed benefits, for this reason the committee did not consider these options as viable, all other options presented had less coverage and or a higher cost.

The committee also reviewed plans for Dental insurance from United Concordia (current plan), and United Health Care. United Concordia continues to have a better plan and significantly better rates with no rate increase for 2021.

The committee also reviewed plans for Life insurance from Guardian (current plan), and United Health Care. The United Health Care option would have been a cost savings of about \$42.84 a month over the current plan but with a \$5,000,00 decrease in payout benefit.

**Health Insurance:**

The recommended plan is the Florida Blue Plan 5070/5071 (current)

Insurance Cost (less employee contribution)	\$ 384,499.08
HSA Contribution	\$ 121,100.00
Total Health Insurance Cost	\$ 505,599.08

**Dental insurance:**

The recommended plan is the United Concordia plan (current)

Insurance Cost (less employee contribution)	\$ 11,061.66
---	--------------

**Life Insurance:**

The recommended plan is the Guardian life insurance plan (current)

Insurance Cost	\$ 3,968.16
Total Yearly Insurance Cost	\$ 520,628.90

Less Budgeted Amount	\$ 547,594.00
Over/Under Budget	\$ (26,965.10)

Attachment 1: Spreadsheet: For 2020 & 2021: Current plan 5070/5071 (Recommended)

Top of sheet - Health Insurance Breakdown: health care deductibles, maximum out-of-pocket amounts, HSA contribution amounts, employee costs, HSA totals, and employee contribution totals.

Bottom of sheet – Yearly Totals ALL Insurance: totals for health, dental, and life insurance plans, budget amount for insurance, and over/under budget amounts.

Attachment 2A & 2B: Spreadsheets:

For 2020 & 2021: Current plan 5070/5071 (Recommended)

Attachment 2A: deductibles, out-of-pocket maximums, plan benefits, employee rates, totals for the plans, employee contributions, HSA amounts and totals, plan totals, budget amounts, and over/under budget amounts.

Attachment 2B: employee contribution formula and amounts, maximum out-of-pocket expenses (based on highest family rate) and changes to employee contribution rates from last year.

**RECOMMENDATION:**

**The Insurance Committee requests that the Board accepts their recommendation: To approve keeping our current health insurance plan (5070/5071) with Florida Blue (with a 8.53% increase), keeping the HSA contribution amounts the same (\$2,700 for employee only & \$6,200 family); keeping our current United Concordia Dental Insurance Plan 8W (with no cost increase); and our current Guardian Life Insurance (at no cost increase for 2021).**

# ANASTASIA MOSQUITO CONTROL DISTRICT

January 1, 2021 Insurance Proposal

Attachment 1

Health Insurance Breakdown			
Committee Recommendation	Coverage Year	Last Years Costs	Recommendation: Current Plan
		2020	2021
DEDUCTIBLE	SINGLE	\$3,500.00	\$3,500.00
	FAMILY	\$7,000.00	\$7,000.00
MAX OUT OF POCKET	SINGLE	\$3,500.00	\$3,500.00
	FAMILY	\$7,000.00	\$7,000.00
HSA CONTRIBUTION	SINGLE	\$2,700.00	\$2,700.00
	FAMILY	\$6,200.00	\$6,200.00
EMPLOYEE COST (Deductible less HSA)	SINGLE	\$800.00	\$800.00
EMPLOYEE COST (Deductible less HSA not including employee contributions)	FAMILY	\$800.00	\$800.00
HSA TOTAL		\$124,600.00	\$121,100.00
LESS EMPLOYEE PORTION		\$42,074.10	\$47,234.04
<b>Yearly Totals All Insurance</b>			
HEALTH		\$474,544.54	\$505,599.08
DENTAL		\$17,860.56	\$11,061.66
LIFE		\$3,968.16	\$3,968.16
TOTAL		\$496,373.26	\$520,628.90
BUDGET AMOUNT		\$470,046.00	\$547,594.00
UNDER/OVER BUDGET		\$26,327.26	-\$26,965.10

# ANASTASIA MOSQUITO CONTROL DISTRICT

January 1, 2021 Health Insurance: Health Savings Account Options

Attachment 2-A



COMMITTEE RECOMMENDATION	2020 Employee count		Last Years Rate Calculations		2021 Employee count		Recommendation Current Plan	
	Single	Family	2020 Rates	2021 Rates	2021 Employee count	2021 Rates	2021 Rates	2021 Rates
<b>COVERAGE</b>			5070/5071	5070/5071		5070/5071	5070/5071	5070/5071
Deductible	Single	Family	\$3,500	\$3,500	Single	\$3,500	Single	\$3,500
Deductible Included in OOP Max	Single	Family	\$7,000	\$7,000	Family	\$7,000	Family	\$7,000
Coinsurance: Carrier% / Member %			Yes	Yes		Yes		Yes
Out of Pocket Max			100% / 0%	100% / 0%		100% / 0%		100% / 0%
Preventive Services (Wellness)	Single	Family	\$3,500	\$3,500	Single	\$3,500	Single	\$3,500
Physician Services (PCP/Spec)	Single	Family	\$7,000	\$7,000	Family	\$7,000	Family	\$7,000
Urgent Care Service			\$0	\$0		\$0		\$0
Prescription Drugs (T1/T2/T3)			Deductible then 0%	Deductible then 0%		Deductible then 0%		Deductible then 0%
Specialty Meds (T1/T2/T3)			Deductible then 0%	Deductible then 0%		Deductible then 0%		Deductible then 0%
Inpatient Hospital Services			Deductible then 0%	Deductible then 0%		Deductible then 0%		Deductible then 0%
Outpatient Diagnostic Lab & X-Ray			Deductible then 0%	Deductible then 0%		Deductible then 0%		Deductible then 0%
Outpatient Advanced Imaging (MRI, Ct, Pet)			Deductible then 0%	Deductible then 0%		Deductible then 0%		Deductible then 0%
Outpatient Surgery			Deductible then 0%	Deductible then 0%		Deductible then 0%		Deductible then 0%
Emergency Health Services			Deductible then 0%	Deductible then 0%		Deductible then 0%		Deductible then 0%
<b>RATE COMPARISON</b>	<b>Count</b>	<b>Count</b>	<b>Monthly Premium Cost</b>	<b>Monthly Premium Cost</b>	<b>Count</b>	<b>Monthly Premium Cost</b>	<b>Count</b>	<b>Monthly Premium Cost</b>
Employee Only	14	14	\$665.84	\$665.84	15	\$722.61	15	\$722.61
Employee & Spouse	6	6	\$1,498.10	\$1,498.10	4	\$1,625.81	4	\$1,625.81
Employee & Child(ren)	2	2	\$1,183.37	\$1,183.37	1	\$1,284.25	1	\$1,284.25
Family	6	6	\$1,998.52	\$1,998.52	8	\$2,168.89	8	\$2,168.89
<b>TOTAL</b>	<b>28</b>	<b>28</b>	<b>\$32,668.22</b>	<b>\$32,668.22</b>	<b>28</b>	<b>\$35,977.76</b>	<b>28</b>	<b>\$35,977.76</b>
Total Current			\$32,668.22	\$32,668.22		\$35,977.76		\$35,977.76
a) Total Annual Premium: # of Employees X rate X 12 months:			\$392,018.64	\$392,018.64		\$431,733.12		\$431,733.12
b) Total Employee Portion: (25% difference between EE Only and applicable dep rate)			\$42,074.10	\$42,074.10		\$47,234.04		\$47,234.04
c) Total Annual Premium LESS Total Employee Portion:			\$349,944.54	\$349,944.54		\$384,499.08		\$384,499.08
Add: H.S.A. Annual Cost	Count	Count	H.S.A. Annual Cost	H.S.A. Annual Cost	Count	H.S.A. Annual Cost	Count	H.S.A. Annual Cost
d) Employee Only	14	14	\$37,800.00	\$37,800.00	15	\$40,500.00	15	\$40,500.00
e) All Other	14	14	\$86,800.00	\$86,800.00	13	\$80,600.00	13	\$80,600.00
Total Annual District Cost -- Total of c + d + e	28	28	\$474,544.54	\$474,544.54	28	\$505,599.08	28	\$505,599.08
Budgeted Amount			\$448,872.60	\$448,872.60		\$522,932.30		\$522,932.30
Over/ (Under) Budget			\$25,671.94	\$25,671.94		-\$17,333.22		-\$17,333.22

Red font denotes a higher cost than 2019 Green font denotes a lower cost than 2019

# ANASTASIA MOSQUINI CONTROL DISTRICT

January 1, 2021 Health Insurance: Health Savings Account Options

Attachment 2-B



COMMITTEE RECOMMENDATION	2020		Last Years Choice		2021		Recommendation Current Plan
	Employee count	Current Plan	Increase/ (Decrease) from 2019	Employee count	Current Plan	Increase/ (Decrease) from 2020	
	2020 Rates	5070/5071	2020 Rates	5070/5071	2021 Rates	5070/5071	
<b>EMPLOYEE COSTS and RATES</b>							
<u>Employee Only rate</u>							
= Employee portion	14	\$665.84	\$0.00	15	\$722.61	\$0.00	
<u>Employee &amp; Spouse rate</u>		\$1,498.10			\$1,625.81		
Less: Employee Only rate		\$665.84			\$722.61		
<b>x 25% of difference per month</b>	<b>\$832.26</b>	<b>\$208.07</b>	<b>\$14.73</b>	<b>\$903.20</b>	<b>\$225.80</b>	<b>\$17.73</b>	
x # of employees	6	\$1,248.39		4	\$903.20		
x 12 months							
= Employee portion		<b>\$14,980.68</b>			<b>\$10,838.40</b>		
<u>Employee/ Children rate</u>		\$1,183.37			\$1,284.25		
Less: Employee Only rate		\$665.84			\$722.61		
<b>x 25% of difference per month</b>	<b>\$517.53</b>	<b>\$129.38</b>	<b>\$9.15</b>	<b>\$561.64</b>	<b>\$140.41</b>	<b>\$11.03</b>	
x # of employees	2	\$258.77		1	\$140.41		
x 12 months							
= Employee portion		<b>\$3,105.18</b>			<b>\$1,684.92</b>		
<u>Family rate</u>		\$1,998.52			\$2,168.89		
Less: Employee Only rate		\$665.84			\$722.61		
<b>x 25% of difference per month</b>	<b>\$1,332.68</b>	<b>\$333.17</b>	<b>\$23.58</b>	<b>\$1,446.28</b>	<b>\$361.57</b>	<b>\$28.40</b>	
x # of employees	6	\$1,999.02		8	\$2,892.56		
x 12 months							
= Employee portion		<b>\$23,988.24</b>			<b>\$34,710.72</b>		
<u>Total Employee portion</u>		<b>\$42,074.10</b>			<b>\$47,234.04</b>		
<b>Maximum Possible \$ Expenditure for an Employee (using family employee rate)</b>	Maximum possible cost to an employee	<b>\$4,798.04</b>	<b>\$282.96</b>	Maximum possible cost to an employee	<b>\$5,138.84</b>	<b>\$340.80</b>	

Red font denotes a higher cost than 2019 Green Font denotes a lower cost than 2019

**ANASTASIA MOSQUITO CONTROL DISTRICT**  
 January 1, 2021 Health Insurance: Health Savings Account Options  
 Attachment 2



COMMITTEE RECOMMENDATION	2020 Employee count	Last Years Rate Calculations		2021 Employee count	Recommendation Current Plan	
		2020 Rates	2021 Rates		2020 Rates	2021 Rates
<b>COVERAGE</b>		<b>5070/5071</b>			<b>5070/5071</b>	
Deductible	Single	\$3,500		Single	\$3,500	
	Family	\$7,000		Family	\$7,000	
Deductible Included in OOP Max		Yes			Yes	
Coinsurance: Carrier% / Member %		100% / 0%			100% / 0%	
Out of Pocket Max	Single	\$3,500		Single	\$3,500	
	Family	\$7,000		Family	\$7,000	
Preventive Servicer (Wellness)		\$0			\$0	
Physician Services (PCP/Spec)		Deductible then 0%			Deductible then 0%	
Urgent Care Service		Deductible then 0%			Deductible then 0%	
Prescription Drugs (T1/T2/T3)		Deductible then 0%			Deductible then 0%	
Specialty Meds (T1/T2/T3)		Deductible then 0%			Deductible then 0%	
Inpatient Hospital Services		Deductible then 0%			Deductible then 0%	
Outpatient Diagnostic Lab & X-Ray		Deductible then 0%			Deductible then 0%	
Outpatient Advanced Imaging (MRI, Ct, Pet)		Deductible then 0%			Deductible then 0%	
Outpatient Surgery		Deductible then 0%			Deductible then 0%	
Emergency Health Services		Deductible then 0%			Deductible then 0%	
<b>RATE COMPARISON</b>	<b>Count</b>	<b>Monthly Premium Cost</b>		<b>Count</b>	<b>Monthly Premium Cost</b>	
Employee Only	14	\$665.84		15	\$722.61	
Employee & Spouse	6	\$1,498.10		4	\$1,625.81	
Employee & Child(ren)	2	\$1,183.37		1	\$1,284.25	
Family	6	\$1,998.52		8	\$2,168.89	
<b>TOTAL</b>	<b>28</b>	<b>\$32,668.22</b>		<b>28</b>	<b>\$35,977.76</b>	
<b>Total Current</b>		<b>\$32,668.22</b>			<b>\$35,977.76</b>	
a) Total Annual Premium: # of Employees X rate X 12 months:		<b>\$392,018.64</b>			<b>\$431,733.12</b>	
b) Total Employee Portion: (25% difference between EE Only and applicable dep rate)		<b>\$42,074.10</b>			<b>\$47,234.04</b>	
c) Total Annual Premium LESS Total Employee Portion:		<b>\$349,944.54</b>			<b>\$384,499.08</b>	
Add: H.S.A. Annual Cost	<b>Count</b>	<b>H.S.A. Annual Cost</b>		<b>Count</b>	<b>H.S.A. Annual Cost</b>	
d) Employee Only	14	\$37,800.00	\$2700 Per Employee	15	\$40,500.00	\$2700 Per Employee
e) All Other	14	\$86,800.00	\$6200 Per Employee	13	\$80,600.00	\$6200 Per Employee
<b>Total Annual District Cost -- Total of c + d + e</b>	<b>28</b>	<b>\$474,544.54</b>		<b>28</b>	<b>\$505,599.08</b>	
<b>Budgeted Amount</b>		<b>\$448,872.60</b>			<b>\$522,932.30</b>	
<b>Over/ (Under) Budget</b>		<b>\$25,671.94</b>			<b>-\$17,333.22</b>	

<b>EMPLOYEE COSTS and RATES</b>	2020 Employee count	Current Plan	Increase/ (Decrease) from 2019	2021 Employee count	Current Plan	Increase/ (Decrease) from 2020
<b>Employee Only rate</b>		\$665.84	\$0.00		\$722.61	\$0.00
= Employee portion	14			15		
<b>Employee &amp; Spouse rate</b>		\$1,498.10			\$1,625.81	
Less: Employee Only rate		\$665.84			\$722.61	
<b>x 25% of difference per month</b>	<b>\$832.26</b>	<b>\$208.07</b>	<b>\$14.73</b>	<b>\$903.20</b>	<b>\$225.80</b>	<b>\$17.73</b>
x # of employees	6	\$1,248.39		4	\$903.20	
x 12 months						
= Employee portion		\$14,980.68			\$10,838.40	
<b>Employee/ Children rate</b>		\$1,183.37			\$1,284.25	
Less: Employee Only rate		\$665.84			\$722.61	
<b>x 25% of difference per month</b>	<b>\$517.53</b>	<b>\$129.38</b>	<b>\$9.15</b>	<b>\$561.64</b>	<b>\$140.41</b>	<b>\$11.03</b>
x # of employees	2	\$258.77		1	\$140.41	
x 12 months						
= Employee portion		\$3,105.18			\$1,684.92	
<b>Family rate</b>		\$1,998.52			\$2,168.89	
Less: Employee Only rate		\$665.84			\$722.61	
<b>x 25% of difference per month</b>	<b>\$1,332.68</b>	<b>\$333.17</b>	<b>\$23.58</b>	<b>\$1,446.28</b>	<b>\$361.57</b>	<b>\$28.40</b>
x # of employees	6	\$1,999.02		8	\$2,892.56	
x 12 months						
= Employee portion		\$23,988.24			\$34,710.72	
<b>Total Employee portion</b>		<b>\$42,074.10</b>			<b>\$47,234.04</b>	
<b>Maximum Possible \$ Expenditure for an Employee (using family employee rate)</b>	Maximum possible cost to an employee	<b>\$4,798.04</b>	<b>\$282.96</b>	Maximum possible cost to an employee	<b>\$5,138.84</b>	<b>\$340.80</b>

Red font denotes a higher cost than 2020    Green Font denotes a lower cost than 2020

**UNFINISHED  
BUSINESS  
#2**



# Anastasia Mosquito Control District of St. Johns County

120 EOC Drive, St. Augustine, Florida 32092

PH: (904) 471-3107 • Fax (904) 471-3189 • Web Address: [www.amedsjc.org](http://www.amedsjc.org)

## MEMO

DISTRICT DIRECTOR

*Dr. Rui-De Xue*

BOARD OF COMMISSIONERS:

*Jeanne Moeller, Chairperson  
Trish Becker, Vice-Chairperson  
Don Girvan, Secretary/Treasurer  
Gary Howell, Commissioner  
Gina LeBlanc, Commissioner*



TO: Board of Commissioners

FROM: Dr. Rui-De Xue, Director

CC: Charolette M. Hall, Administrative Assistant

DATE: December 10, 2020

RE: Recognition & Congratulations; end of term: Commissioners' Don Girvan and Gary Howell

---

Chairperson Jeanne Moeller will recognize and present a plaque to Commissioner Don Girvan on his retirement of his term from his appointment on December 7, 2018 through December 31, 2020 and will also present a plaque to Commissioner Gary Howell on his end of two terms as a Commissioner for the Anastasia Mosquito Control District of St. Johns County from January 2013 through December 21, 2020.



The **Board of Commissioners** of the  
**ANASTASIA MOSQUITO CONTROL DISTRICT**  
of **St. Johns County, Florida**

Presented to:

**Mr. DON GIRVAN**  
On December 10, 2020

In recognition of your hard work,  
dedication, and commitment  
to the Board, Employees and the  
Mission and Goals of AMCD  
in serving as a Commissioner from  
December 7, 2018 through December 31, 2020



The **Board of Commissioners** of the  
**ANASTASIA MOSQUITO CONTROL DISTRICT**  
of **St. Johns County, Florida**

Presented to:

**Mr. GARY HOWELL**  
On December 10, 2020

In recognition of your hard work,  
dedication, and commitment  
to the Board, Employees and the  
Mission and Goals of AMCD  
in serving as a Commissioner from  
January 2013 through December 31, 2020

**NEW  
BUSINESS  
#1**

# Anastasia Mosquito Control District of St. Johns County

120 EOC Drive, St. Augustine, Florida 32092

PH: (904) 471-3107 • Fax (904) 471-3189 • Web Address: [www.amcdsjc.org](http://www.amcdsjc.org)

## MEMO

DISTRICT DIRECTOR

*Dr. Rui-De Xue*

BOARD OF COMMISSIONERS:

*Jeanne Moeller, Chairperson  
Trish Becker, Vice-Chairperson  
Don Girvan, Secretary/Treasurer  
Gary Howell, Commissioner  
Gina LeBlanc, Commissioner*



TO: Board of Commissioners

FROM: Dr. Rui-De Xue, Director and Mr. Dana Smith, Chief Pilot/Aviation Manager

CC: Charolette M. Hall, Administrative Assistant

DATE: December 10, 2020

RE: Authority for Staff to Purchase Military Surplus Helicopter

---

Currently, AMCD has a helicopter (Bell 206 III) with three different types of spreader equipment (granular larviciding, liquid larviciding, and adulticiding). Based on scientific need, the equipment must be changed and calibrated numerous times during the mosquito season. The helicopter has a myriad of duties and functions. Combining the frequent inspections, mandatory maintenance and aviation training (both day and night), one helicopter is not satisfying the operation's needs. The helicopters are utilized for surveillance, training and both formulations of larviciding plus adulticiding during the peak activity seasons. We need the second helicopter in the fleet for mission continuity and as a backup when either one is down for maintenance.

Air assets cover the mass area applications of larviciding and adulticiding, unreachable by foot or trucks. These applications are critically implemented for preventing outbreaks, control of mosquito population, reduction in the spread of mosquito-borne disease and specific immediate support in emergency situations. Used as efficient tools with current technology and dispersal efficiency from 50 to 200 feet, helicopters can cover areas that are not accessible via other means. Providing the ability to treat a large area, approximately 6,400 acres per hour via air versus 150 acres via truck per hour, proves the rapid response is the quickest and most efficient method.

The 2021 fiscal year budget line number 949.092 (capital outlay), in the amount of \$490,000.00, was approved in the budget, by the Board at the Final Budget Hearing, September 24, 2020, to acquire a second helicopter.

Research of the current used helicopter market proves that the purchase of a used Bell 206 B III, under government to government courtesy for \$180,000.00 (one hundred eighty thousand dollars US) is not only financially beneficial but also meets with AMCD's Purchasing Policy. The time frame of availability is from now until the pool of helicopters (77) has been depleted.

This helicopter will need some work and parts. A set of high skids will be required. Through prior contacts I have identified a (new) set of skids and tubes for this helicopter, currently located in Georgia for \$12,000.00. New price for the skids would be \$18,000.00 from Bell Helicopter. A second set has been identified \$8,000.00 (eight thousand) and an additional \$2,000.00 for the executive steps, which we do not

need, and the condition is unknown. Also, there are several sets of carbon fiber skid shoes available—one set can be provided if they fit, a savings of \$7,000.00.

NOTE: These helicopters have been stored outside, in the weather, since acquisition. To remove the sheet metal, conduct a void inspection, (honeycomb check), seal the aircraft, paint the aircraft and re-assemble the aircraft will cost between \$25,000.00 and \$50,000.00. As the United States Army is eliminating the TH-67 Creek (Bell 206BIII) from its inventory and transitioning to the UH- 72 (Lakota) the \$50,000,000.00 (fifty million dollars) worth of spare parts on hand, located in Enterprise Alabama, will be available for sale at greatly reduced costs. Being first on hand to scrutinize and select available parts “may” afford AMCD thousands of dollars in savings in spare parts over the next several years.

With the above information in mind, staff recommends approval to move forward with the purchase.



# BELL 206B III Aircraft For Sale

1 - 21 of 21 Listings

FEATURED LISTING



## 1980 BELL 206B III

Turbine Helicopters

Price: **USD \$440,000**

Get Financing as low as **USD \$2,694.22 / monthly\***

Aircraft Location:

Sikeston, Missouri

Total Time: 13,880

Number of Seats: 5

Engine Notes: Rolls-Royce 250-C20B 6617 hours

Airframe Notes: Van Horn tail rotor blades April 2018 KA Flex Driveshaft September 2018 New TT Straps August 2020...

10

SAVE 0 likes 0 views 0 shares

Updated: Mon, Oct 12, 2020 01:00 PM

**Tom Diorio**

Kingston, New Hampshire

Phone: **(978) 423-5815**

Currently hangared in Sikeston, Missouri

40 years old

FEATURED LISTING



## 1995 BELL 206B III

Turbine Helicopters

Price: **USD \$547,500**

Get Financing as low as **USD \$3,352.46 / monthly\***

Aircraft Location:

Richmond, Virginia

Total Time: 4,385.8

Number of Seats: 5

Avionics/Radios: King KY 96A Com ELT TFM-138B FM Nat 42 Audio Panel King KT-76A Transponder with encoder Garm...

Additional Equipment: Bleed Air Heater New Style Cargo Hook Weight System Pilot Bubble Door Lead Acid Battery Baggage E...

46

SAVE 0 likes 0 views 0 shares

Updated: Wed, Oct 21, 2020 08:43 AM

**Carson Motley**

Richmond, Virginia

Phone: **(804) 647-9690**

25 years old



Particle Separator, High Skids, Garmin GTN



**1989 BELL 206B III**

Turbine Helicopters

Price: **USD \$695,000**

Get Financing as low as **USD \$4,255.64 / monthly\***

Aircraft Location:

Ft. Worth, Texas

Serial Number: 4060

Registration #: N78AM

Total Time: 1,284.5

Number of Seats: 5

*31 years old*

9

SAVE

Updated: Thu, Sep 24, 2020 07:53 AM

**HELICOPTER MARKETING ASSOC**

Colleyville, Texas

Phone: (817) 854-7002

\*\* PRICED REDUCED \*\* LOW TIME, beautiful, well-equipped helicopter. Garmin GNS530 WAAS Nav/Com/GPS, L-3 Lynx NGT9000 Transponder, ADS-B IN/OUT w/Traffic/WI-FI. Passenger/Corporate Configuration....[More](#)



**2000 BELL 206B III**

Turbine Helicopters

Price: **USD \$795,000**

Get Financing as low as **USD \$4,867.96 / monthly\***

Aircraft Location:

Washington, Pennsylvania

Serial Number: 4537

Registration #: N206BM

Total Time: 3,026

Number of Seats: 5

*20 years old*

11

SAVE

Updated: Mon, Aug 31, 2020 06:57 AM

**AeroSolutions**



Low time, no damage history and always hangared. Includes cargo hook, J Steps, and bubble window. All AD's and SB's complied with Current Part 135 and Bell CSF maintained. All Logs Available

FEATURED LISTING



1978 BELL 206B III

Turbine Helicopters

Price: **Call for price**

*\$450,000*

Aircraft Location:  
Broussard, Louisiana

Serial Number: 2344

Registration #: HK-4511

Total Time: 17,326

Avionics/Radios: Flight Instrument Group  
Bendix King KR87 ADF Bendix VHF 1  
KY196A Bendix VHF 2 KY196A Garmin  
GTX33...

7

SAVE

Updated: Thu, Oct 15, 2020 07:42 AM

**Meridian Helicopters LLC**

Broussard, Louisiana

Phone: (337) 857-5727

Well maintained Bell 206BIII available for immediate sale. Utility configured.

*42 years old*

FEATURED LISTING



1979 BELL 206B III

Turbine Helicopters

Price: **Call for price**

*\$450,000.00*

Aircraft Location:  
Broussard, Louisiana

Serial Number: 2791

Registration #: N27758

Total Time: 15,721

Number of Seats: 5

9

SAVE

Updated: Thu, Oct 15, 2020 07:42 AM

**Meridian Helicopters LLC**

Broussard, Louisiana

Phone: (337) 857-5727

Accepting Offers. Well equipped Bell 206B3 available for immediate sale.

*41 years old*

*IN*

~~1973 BELL 206B III~~

Turbine Helicopters

*Bell  
79 - 350,000  
15k hrs*

*3*



77 Available  
Ⓐ \$180,000.00 Each



Feedback



5



506 →  
SPEEDWAY BL



\$ 8,000.00

used

7



\$12,000.00  
New-In Box

8



2nd tow dolly already on hand

\$ new 8650.<sup>00</sup>

4

**NEW  
BUSINESS  
#2**



# **AMCDs Molecular Lab**

**Steven T. Peper, MS, PhD**

Molecular Entomologist, AMCD

10 December 2020

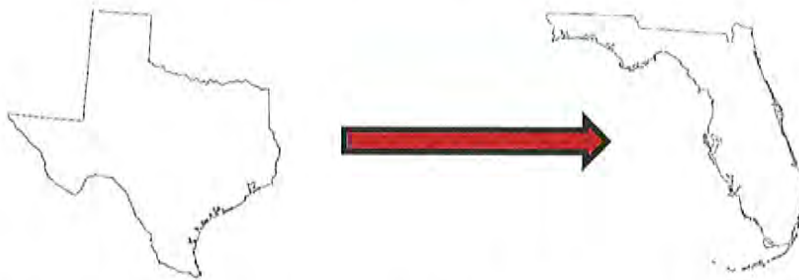
# My Background

- Wildlife and infectious diseases
  - BS – BYU-Idaho: Ecology, Wildlife, and Fisheries
  - MS – Frostburg State University: Wildlife and Fisheries Biology
    - Efficacy of vaccinating river otters and fishers against canine distemper
  - PhD – Texas Tech University: Environmental Toxicology (Vector-borne and Zoonotic Diseases)
    - Modeling different aspects of WNV in Lubbock, Texas
    - Infectious diseases in:
      - wild pigs, deer, quail
    - State-wide insecticide resistance

# My Background

- Wildlife and infectious diseases
  - Postdoctoral Fellow – Texas Tech University: Biological Threats Research Lab
    - Conducted the arboviral screening for the City of Lubbock
    - Bioterrorism Response Lab (BSL3)
      - Federal Select Agent Program
  - MPH – Texas Tech University Health Sciences Center
    - Public health ramifications of vector-borne diseases
      - Especially in local communities and with health care practitioners

# My Background



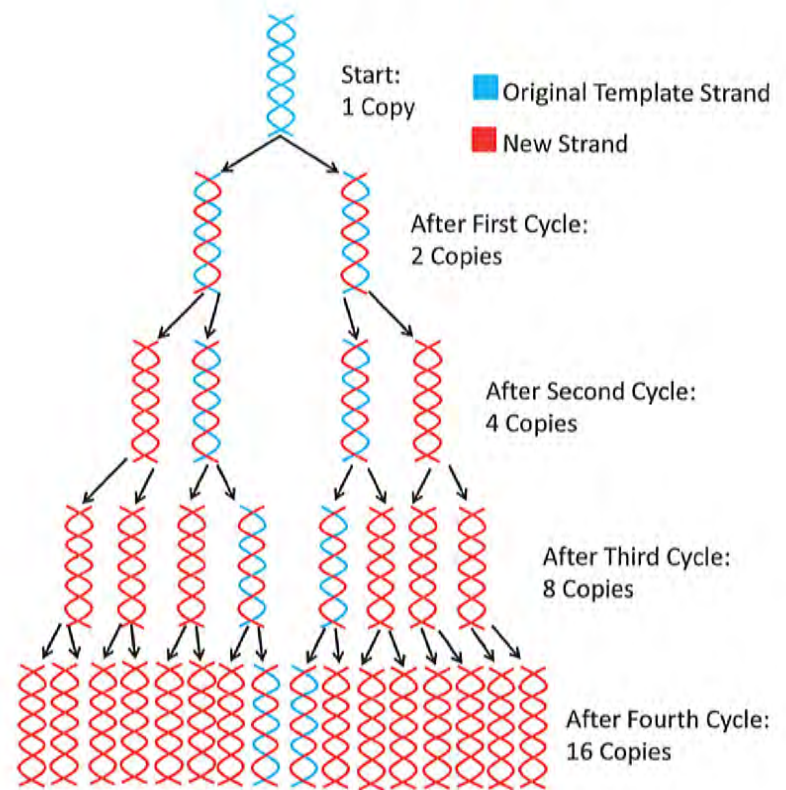
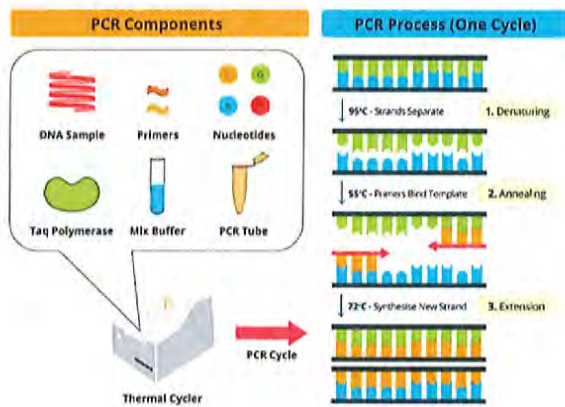
- I started at AMCD at the end of March 2020
  - Molecular laboratory
  - Arboviral Screening
  - Sentinel Chicken Program

# **ARBOVIRAL SCREENING**

# Arboviral Screening in Mosquitoes

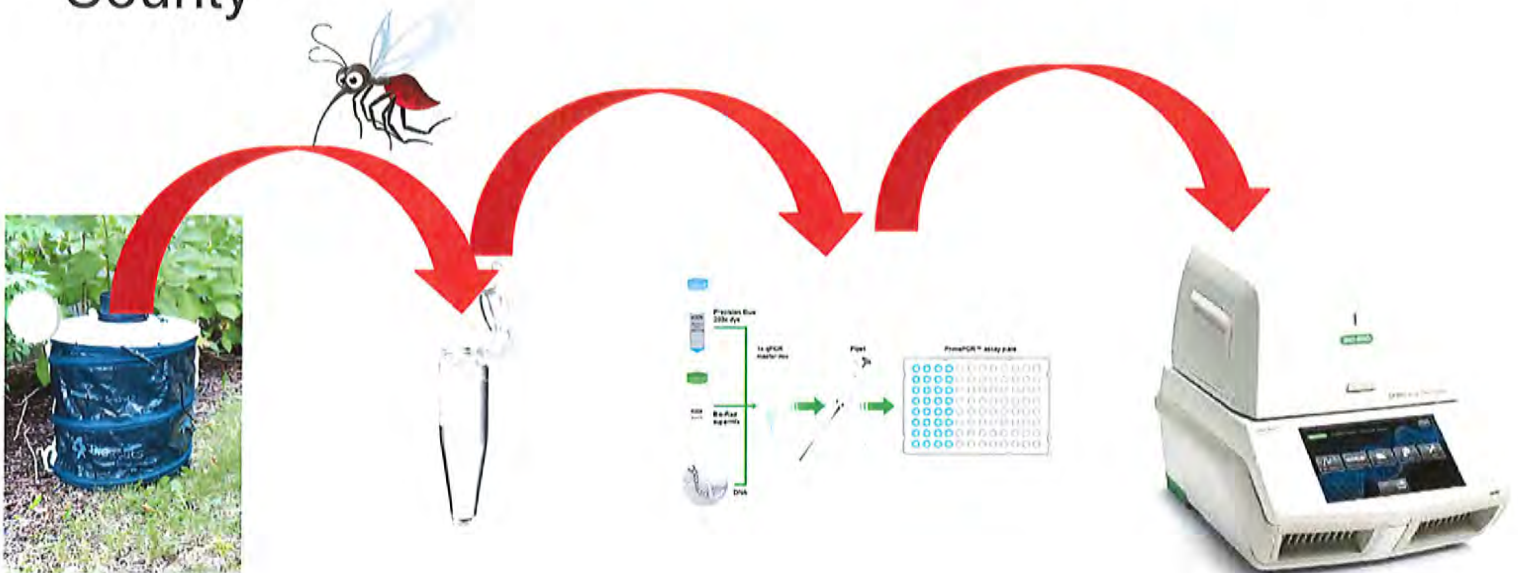
- One of the most common technique is using:
  - Polymerase chain reaction (PCR)
    - A way to detect pathogen in a sample

- Amplifies DNA/RNA



# Arboviral Screening in Mosquitoes

- In our case we test mosquitoes from around St Johns County



# Arboviral Screening in Mosquitoes

- Traditional PCR
  - Slower process time
  - Multiple steps
  - Harder to interpret the results



- Real-time PCR
  - Quicker results
    - Beneficial to operational control
  - More sensitive/reliable
    - Captures more false negatives





# Arboviral Screening in Mosquitoes

- Study from Texas:
  - 2009-2018 – traditional PCR
    - 42 mosquito pools tested Flavi-positive/WNV-negative samples
    - 21.4% (9/42) were positive using real-time
- Public health consequence

# Arboviral Screening in Mosquitoes

- When I started – broken PCR machine (traditional)
  - Purchased a real-time PCR
    - Faster processing time (Typically next day results)
    - So far no positive mosquito pools (1 chicken)
  
- Currently test for:
  - West Nile virus (WNV)
  - Saint Louis encephalitis virus (SLEV)
  - Eastern Equine encephalitis virus (EEEV)
  
- Easily able to test for additional pathogens if needed

# Arboviral Screening in Mosquitoes

- Started late this year (COVID and equipment issues)
  - End of June through November
    - Roughly
      - 540 pools
      - 5,100 mosquitoes
    - 7 vector species



**SENTINEL CHICKEN  
PROGRAM**

# Sentinel Chicken Program

- Way to detect EXPOSURE to pathogens
  - Develop antibodies to specific pathogens
  - Chickens are “dead-end hosts” – meaning they don’t play a role in maintaining the pathogen
    - Safe for the community

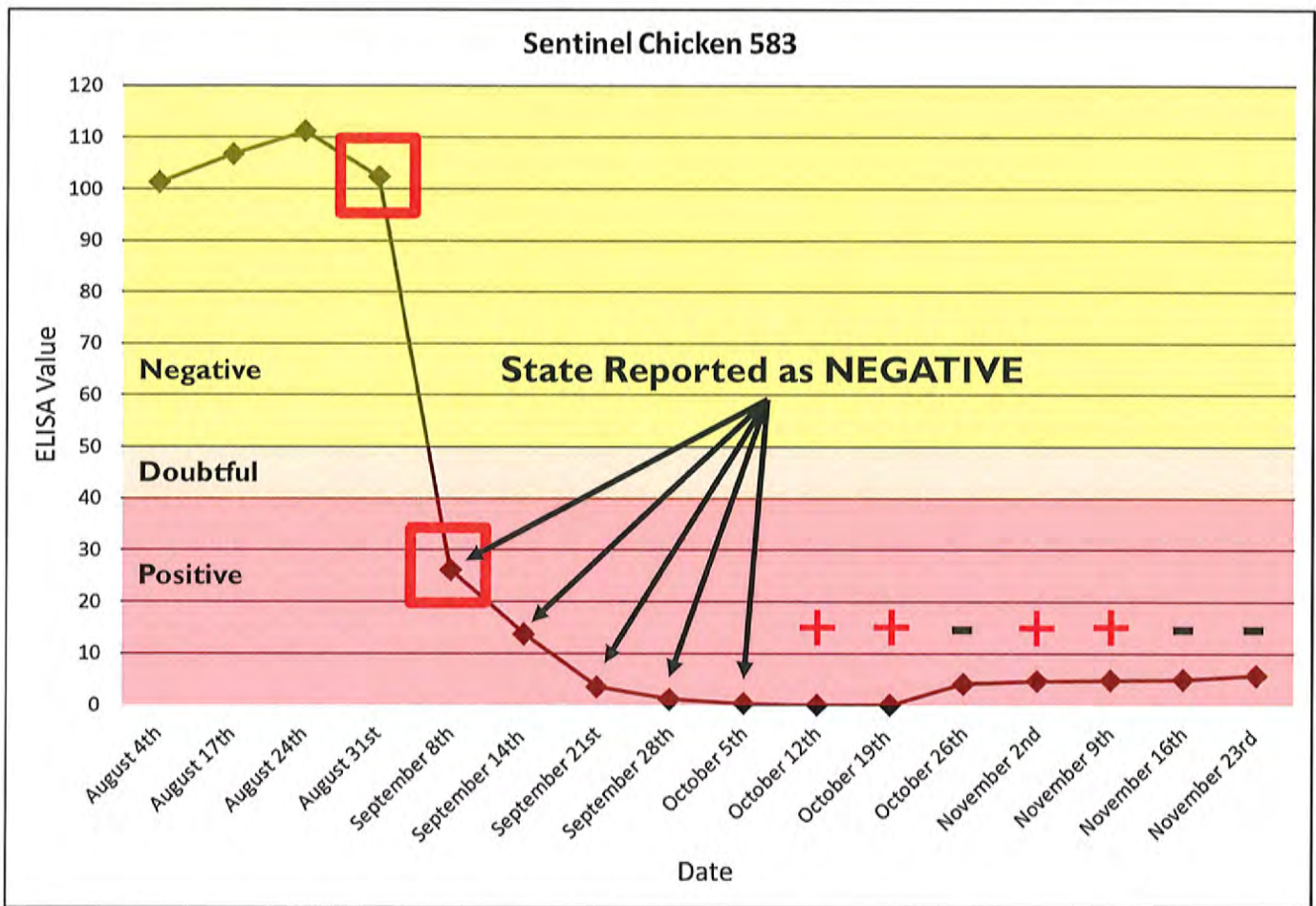


# Sentinel Chicken Program

- Due to COVID-19 – state lab facilities and resources were directed elsewhere
  - This left programs without the vital tool to guide their abatement efforts
  
- We purchased the equipment to conduct this testing in-house
  - Test 54 chickens each week (9 sites with 6 chickens each)
    - Cons:
      - Associated costs
      - WNV only
    - Pros:
      - Faster turnaround (Same day verses 5+ days; Longer for confirmation)
        - Again, beneficial for operations
      - More reliable/accurate

# Sentinel Chicken Program

## ■ Chicken 583 (County Road 208)



# **Sentinel Chicken Program**

- The state has reported 8 other “presumptive positives”
  - All of which have come back negative for WNV
    - Were always negative in-house
    - 1 SLE
      - Can’t test for SLE



# Molecular Laboratory

- In good shape!
  
- 2021
  - Continue mosquito pool and sentinel chicken testing
  - Expand insecticide resistance testing in our county

## Additional Projects

- Arboviral screening for UF
  
- Science team projects
  - Repellents
  - Ticks
  - Resistance ratio/resistance
  - DOD project
  
- Grant writing
- Publications

# Thanks!

- Board members for their support/funding
- Science team members for all their help
  - Especially Heather Ward
- All of AMCD!

**QUESTIONS?**

# REPORTS

Director report (October & November 2020)

**Program Management:**

**Customer & professional service and service request process:** AMCD answered 509 in Oct & 103 in Nov for service requests. Dr. Xue and Dr. Qualls reviewed 5 manuscripts for different journals at the editors' requests. Dr. S. Peper has been appointed and served the Wing Beats as the Director of Advertising. AMCD staff hosted the facility tour for an industry rep, congressman, and other people in October and November. Staff provided mosquito eggs and adult mosquito samples to Israel, USDA/CMAVE, and other organizations for research.

**Surveillance:** Testing for arbovirus by sentinel chickens & mosquito pools in house confirmed with one for SLE and 2 for EEE. Continue 12 BG sentinel traps with BG lures and dry ice and ovitraps for *Aedes* mosquito surveillance once a week. CDC light traps (51) baited with octenol collected 3,258 in Oct and 208 in Nov for adult mosquitoes county wide. BG traps collected 8,316 in Oct & 2,696 adult mosquitoes.

**Operation & aerial program:** AMCD MCTs did hand fogging for 205 times and barrier spraying for 76 times. Conducted 79 times in Oct and 3 times in Nov for ULV spraying and treated 46,673 acres. Aerial larviciding for 22 times and treated about 620 acres. Aerial adultciding 1 time to treat 4,571 acres. Positive larval dips were 1,430 and treated larvae for 340 times for 1,037 acres by ground application.

**Applied research:** Collaborative with UF about CDC grant subcontract about SIT project has been extended to next June. AMCD collaborated with Navy to evaluate a new ULV formulation of adulticide has been done. DoD grant's about question development has been worked out and approved by the DoD's AFPMB, and one manuscript has been approved by DoD and submitted to the JFMCA for consideration of publish. Central Life about candle project, Lamp Farmer about spatial repellents, and ThermaCell repellent evaluation have been arranged and continued. Several intern student projects have been continued. Three book chapters have been submitted and four manuscripts have been published in JME, JAMCA, and JVE in Oct & Nov.

**Education:** DoD grant consultant visited AMCD and gave training for several staff. Ms. Hall provided the training for an intern student about administration tasks from November. Dr. Farooq gave a presentation about repellent test at the virtual ESA annual meeting in middle of Nov. Several Scientists attended UF and CDC seminars and other training through virtual online. Aviation group went to Lee County MCD to visit in November. New website has been updated, especially the research section. Face book & twitter have been updated frequently. Commissioner Becker organized congressman and other people visiting for public relation & education. A local Folio magazine published an article about AMCD program overview with Commissioner Becker and Dr. Qualls pictures. Commissioner Mrs. Moeller met State senator Mr. Hudson and other local legislators about public relation and the SIT proposal after the election in November.

**Business Management:**

**Serve to the Board of Commissioners:** Staff prepared for October Board meeting and gave/met two new Commissioners-elect for orientation and tours in late November.

**Budget and Auditor:** New FY budget starts from October 1. FY18-19 auditor report has been published in the State Auditor General website and the Auditor has started the paper work for FY19-20.

**Contract:** Staff works on the Disease Vector Education building RFP with the construction company.

**Safety:** Building 500 quarantine and green houses have been done based on DACS inspector on Sep 25's recommendation. AMCD passed DACS annual inspection about insecticide application and the NPDES in Nov.

**Insurance:** Health insurance, dental, and life insurances renewals have been proposed by the committee for December 10's Board meeting approval.

**HR:** No report about COVID-19 suspect and positive employees in Oct & Nov. A junior accountant and book keeper has been interviewed and offered. Mrs. Aye McKinney is a veteran and did intern training for GOV accounting at AMCD in Summer 2019. She will start at AMCD from January 4, 2021 for two year contract position. Dr. W. Qualls passed her 1 year probation on October 28. Mr. Kai Blore has been accepted by UF as a working graduate student at AMCD for his Ph.D. continuing education. Ms. Charolette Hall decided to retire on December 18, 2020 after 13 year service. Congratulation for her retirement and wish her the best.

**Meeting:**

Oct 1. 7am. Attended Kiwanis Club zoom meeting. 8am. Aerial group meeting. 9:30am. SIT teleconference.

Oct 5. Am. Salt marsh mosquito meeting with Dr. M. Sallam from Navy.

Oct 6. 1pm. Zoom meeting with Cornell University about summer intern student training. Dr. W. Qualls attended.

Oct 7. 7:30am. Manager meeting. 10am. Attended UF Dr. N.Y. Su seminar. 5pm. Attended NECE semi-field testing for ULV adulticiding.

Oct 8. 7am. Attended the Kiwanis Club zoom meeting. 8am. Met Commissioner G. Howell about agenda. 11am. Tele conversation with Commissioner Mr. D. Girvan about agenda. 5pm. Attended Board meeting.

Oct 9. 10:30am. Attended UF/FMEL seminar about vector mosquitoes.

Oct 13. Reviewed a manuscript for PLoS One.

Oct 14. 7:30am. Manager meeting. 1pm. Attended EOC hurricane response zoom meeting.

Oct 15. 7am. Attended Kiwanis Club zoom meeting. Noon. Attended COST zoom meeting. 1:30pm. Attended Zoom meeting about Mali malaria project. 6pm. Attended NECE semi-field testing about ULV adulticiding.

Oct 16. 10:30am. Attended biocontrol seminar. 11am. Meet Dr. Ben Yi about cage testing. 1pm. Met Commissioner Mrs. Moeller about the FMCA election item.

Oct 19. 1pm. Attended Mali malaria control project zoom meeting.

Oct 20. 9:30am. Host Congressman visiting. Commissioner Mrs. Moeller, Mrs. Becker, and Mr. Howell attended. 1:30pm. Met Dr. Ben Yi about his testing results conducted in our outdoor cages and the plan for next year.

Oct 21. 7:30am. Held manager meeting. 8:30am. Attended EOC zoom meeting. Noon. Attended SOVE Board zoom meeting.

Oct 22. 7am. Attended Kiwanis Club zoom meeting. 10am. Hosted Mrs. Dona Deegn's visiting. Commissioner Mrs. Becker made the arrangement. Noon. Attended the COST zoom meeting.

Oct 23. Reviewed another manuscript for the PLoS One.

Oct 27. Reviewed a manuscript for the Acta Tropica.

Oct 28. 7:30am. Held the Manager meeting. 10am. Held an intern student interview from UNF.

Oct 29. 9:30am. Attended MosquitoMate zoom meeting. 1pm. Hosted a visitor from an industry about larvicides.

Oct 30. 10:30am. Attended a seminar about dengue vector control through online.

Nov 3. Worked on a book chapter with Dr. Peper.

Nov 4. Worked on the JFMCA manuscripts.

Nov 5. 10am. Commissioner Mrs. Becker's visiting and meeting. 2:30pm. Met Harrell construction company for update about DVEC design progress.

Nov 6. Work on repellent book chapter.

Nov 16. ESA zoom meeting training through zoom meeting.

Nov 17. Reviewed a manuscript for the Med Vet Entomol.

Nov 18. 8am. Attended EOC update. 10am. Attended the FMCA business meeting.

Nov 19. 7:30am. Group meeting. 10am. Met Commissioner-elected Mrs. Gardiner. 2pm. Scheduled junior accountant and book keeper interview. 3 pm. Thanks and appreciate seasonal employees.

Nov 20. Worked on Book chapter.

Nov 23. 2pm. Held the junior accountant interview.

Nov 24. 8:30am. Met Commissioner-elected Mrs. Brandhorst and tele conversation with Commissioner Mr. Girvan about agenda and purchase helicopter item.

Nov 25. 10am. Met Commissioner Mrs. Moeller and Mr. D. Smith about helicopter items. 11am. Met Mrs. Moeller and Dr. Qualls about Mali visiting purpose.

Nov 30. Worked on Board book.



# Treatment Summary October 2020

From Date : 10-01-2020

To Date : 10-31-2020

Zone : All

Material : All

Task : All

Material	Amount	Area Treated	Application Rate	Times
Altosid WSP	2147 ea	6.65 acre	322.68 ea / acre	45 times
Altosid XR	14 ea	0.03 acre	435.54 ea / acre	1 times
Altosid XRG	455 lb	75.83 acre	6 lb / acre	35 times
Altosid XRG Air	5000 lb	492 acre	10.16 lb / acre	20 times
Aqualure 20-20 1:5	7732 fl oz	29929.93 acre	0.26 fl oz / acre	42 times
B.t.i. Briquets	351 ea	0.81 acre	435.54 ea / acre	13 times
Cocobear	1512 fl oz	3.94 acre	384.02 fl oz / acre	13 times
Dibrom .7	3200 fl oz	4571.43 acre	0.7 fl oz / acre	1 times
Duet 50%	5056 fl oz	3220.38 acre	1.57 fl oz / acre	19 times
Mosquitomist Two	8320 fl oz	12606.06 acre	0.66 fl oz / acre	18 times
Natular DT	28 ea	0 acre	6666.67 ea / acre	2 times
Sustain MBG	708 lb	94.36 acre	7.5 lb / acre	21 times
Sustain MBG Air	1280 lb	128 acre	10 lb / acre	2 times
Talstar P	7.86 gal	23.31 acre	0.34 gal / acre	50 times
VectoBac 12AS	8872 fl oz	548.72 acre	16.17 fl oz / acre	91 times

# Task Time Summary October 2020

From Date : 10-01-2020

To Date : 10-31-2020

Zone : All

Employee Name : All

Task Time Summary			
Task	Total Time	Total Timesheets	Total Time
Administrative	951:21 hrs	212	
Admin Leave	40:00 hrs	4	
Aerial Adulticide	06:00 hrs	1	
Aerial Ground Crew	100:22 hrs	37	
Aerial Larvicide	02:10 hrs	22	
Aerial Maint	212:37 hrs	64	
Aerial Survey	42:45 hrs	44	
AM Briefing	44:48 hrs	155	
Annual Leave	281:00 hrs	59	
Assist	113:50 hrs	46	
Building & Grounds Work	208:20 hrs	149	
Chicken Program	116:42 hrs	84	
Computer Repair	140:10 hrs	18	
Daily Paperwork	95:37 hrs	188	
Field Experiment	409:06 hrs	168	
Fish Placement	02:25 hrs	4	
Fish Program	04:10 hrs	7	
Fog Mission Serv Req	17:19 hrs	200	
GLP Management	04:47 hrs	5	
Ground Adulticide	274:15 hrs	110	
Ground Larvicide	294:50 hrs	221	
Ground Site Inspection	654:04 hrs	554	
Hand Adulticide	122:11 hrs	186	
Insectary	223:07 hrs	119	6376:15 hrs
Inventory	31:04 hrs	20	
Lab Experiment	220:54 hrs	107	
Landing Rate	03:28 hrs	42	
Leave Without Pay	16:30 hrs	3	
Mechanics Time	224:11 hrs	47	
Meeting	111:15 hrs	121	
Molecular Lab Work	252:30 hrs	65	
Mosquito Trap BG	53:15 hrs	204	
Mosquito Trap CDC Oc	162:35 hrs	290	
Mosquito Trap ID	59:59 hrs	25	
Mosquito Trap OV	01:59 hrs	119	
Mosquito Traps Misc	00:53 hrs	1	
Produce Papers & Programs	325:15 hrs	96	
Project Research	175:40 hrs	88	
Public Relations	30:00 hrs	6	
Resupplying Trucks	134:09 hrs	157	
Sick Leave	90:00 hrs	15	
Source Reduction (tires)	00:05 hrs	1	
Supervisory	49:57 hrs	27	
Training Classroom	27:30 hrs	14	
Vehicle Maintenance	41:10 hrs	54	
XCL Fog min pay 2 hr.	02:00 hrs	1	

CDC Light Trap October 2020					
10/1/2020					
To :					
10/31/2020					
Trap Type :					
CDC Octenol					
Species Name	2020 10				Species Total
	6	13	20	27	
Ae aegypti	0	0	0	0	0
Ae albopictus	0	3	0	0	3
Ae atlanticus	1611	241	117	39	2008
Ae canadensis	0	2	0	0	2
Ae eggs	0	0	0	0	0
Ae fulvus pallens	0	0	0	0	0
Ae infirmatus	37	57	18	23	135
Ae mitchellae	3	1	0	1	5
Ae signifera	0	0	0	0	0
Ae sollicitans	3	2	0	2	7
Ae taeniorhynchus	7	5	0	10	22
Ae triseriatus	0	0	0	0	0
Ae vexans	0	0	0	1	1
An atropos	0	0	0	0	0
An bradleyi	0	0	0	0	0
An crucians	61	252	87	84	484
An perplexens	0	0	0	0	0
An punctipennis	0	0	0	0	0
An quadrimaculatus	1	0	3	5	9
An walkeri	0	0	0	0	0
Cq perturbans	0	2	0	1	3
Cs inornata	0	0	0	0	0
Cs melanura	14	23	26	30	93
Cx coronator	0	0	0	0	0
Cx eraticus	29	321	40	50	440
Cx nigripalpus	112	264	272	118	766
Cx quinquefasciatus	23	38	3	8	72
Cx restuans	0	7	6	4	17
Cx salinarius	16	11	16	5	48
Cx territans	0	0	0	0	0
Ma dyari	0	1	2	0	3
Ma titillans	0	1	0	1	2
Or signifera	0	0	0	0	0
Ps ciliata	1	0	0	0	1
Ps columbiae	200	13	7	11	231
Ps cyanescens	0	0	0	0	0
Ps ferox	0	0	0	3	3
Ps howardii	0	0	0	0	0
Tx rutilus	0	0	0	0	0
Ur lowii	4	1	2	20	27
Ur sapphirina	0	10	11	8	29
Wy Mitchellii	0	0	0	0	0
<b>Daily Total</b>	<b>2122</b>	<b>1255</b>	<b>610</b>	<b>424</b>	<b>4411</b>

Malaria vector
WNV/SLE vector
EEE vector
Dengue, yellow fever, chick-v, Zika

<b>BG Trap October 2020</b>					
<b>10/1/2020</b>					
<b>To :</b>					
<b>10/31/2020</b>					
<b>Trap Type :</b>					
<b>BG</b>					
	<b>2020 10</b>				
<b>Species Name</b>	<b>6</b>	<b>13</b>	<b>20</b>	<b>27</b>	<b>Species Total</b>
Ae aegypti	11	59	24	69	163
Ae albopictus	9	138	19	63	229
Ae atlanticus	0	14	0	0	14
Ae canadensis	0	0	0	0	0
Ae eggs	0	0	0	0	0
Ae fulvus pallens	0	0	0	0	0
Ae infirmatus	113	8	3	10	134
Ae mitchellae	0	0	0	0	0
Ae signifera	0	0	0	0	0
Ae sollicitans	0	5	0	4	9
Ae taeniorhynchus	29	223	7	110	369
Ae triseriatus	1	1	0	0	2
Ae vexans	0	0	0	0	0
An atropos	0	0	0	0	0
An bradleyi	0	0	0	0	0
An crucians	7	9	6	16	38
An perplexens	0	0	0	0	0
An punctipennis	0	0	0	0	0
An quadrimaculatus	0	36	21	54	111
An walkeri	0	0	0	0	0
Cq perturbans	0	0	0	0	0
Cs inornata	0	0	0	0	0
Cs melanura	0	1	0	0	1
Cx coronator	0	1	4	1	6
Cx eraticus	3	9	1	3	16
Cx nigripalpus	226	4557	617	2155	7555
Cx quinquefasciatus	5	84	34	40	163
Cx restuans	0	0	0	0	0
Cx salinarius	77	51	8	16	152
Cx territans	0	0	0	0	0
Ma dyari	0	0	1	0	1
Ma titillans	0	0	0	0	0
Or signifera	0	0	0	0	0
Ps ciliata	0	0	0	0	0
Ps columbiae	1	1	0	0	2
Ps cyanescens	0	0	0	0	0
Ps ferox	12	87	0	0	99
Ps howardii	0	0	0	0	0
Tx rutilus	0	1	0	0	1
Ur lowii	0	0	0	1	1
Ur sapphirina	0	0	0	0	0
Wy Mitchellii	1	35	1	5	42
<b>Daily Total</b>	<b>495</b>	<b>5320</b>	<b>746</b>	<b>2547</b>	<b>9108</b>

Malaria vector
WNV/SLE vector
EEE vector
Dengue, yellow fever, chick-v, Zika

# Treatment Summary November 2020

From Date : 11-01-2020

To Date : 11-30-2020

Zone : All

Material : All

Task : All

Material	Amount	Area Treated	Application Rate	Times
Altosid WSP	1682 ea	5.21 acre	322.68 ea / acre	37 times
Altosid XR	2 ea	0 acre	435.54 ea / acre	1 times
Altosid XRG	80 lb	13.33 acre	6 lb / acre	7 times
B.t.i. Briquets	72 ea	0.17 acre	435.54 ea / acre	7 times
Cocobear	392 fl oz	1.02 acre	384.02 fl oz / acre	9 times
Duet 50%	1440 fl oz	917.2 acre	1.57 fl oz / acre	3 times
Sustain MBG	422 lb	55.85 acre	7.56 lb / acre	22 times
Talstar P	3.03 gal	8.99 acre	0.34 gal / acre	26 times
VectoBac 12AS	3704 fl oz	231.5 acre	16 fl oz / acre	36 times

## Task Time Summary November 2020

From Date : 11-01-2020

To Date : 11-30-2020

Zone : All

Employee Name : All

Task Time Summary			
Task	Total Time	Total Timesheets	Total Time
Administrative	811:25 hrs	163	
Admin Leave	04:30 hrs	3	
Aerial Ground Crew	12:30 hrs	5	
Aerial Maint	178:45 hrs	45	
Aerial Survey	14:15 hrs	5	
AM Briefing	35:27 hrs	118	
Annual Leave	343:00 hrs	66	
Assist	83:51 hrs	27	
Building & Grounds Work	251:30 hrs	138	
Chicken Program	146:59 hrs	92	
Computer Repair	129:40 hrs	17	
Daily Paperwork	69:02 hrs	135	
Field Experiment	217:00 hrs	92	
Fish Program	05:40 hrs	10	
Fog Mission Serv Req	01:00 hrs	18	
GLP Management	45:25 hrs	21	
Ground Adulticide	28:58 hrs	26	
Ground Larvicide	172:05 hrs	119	
Ground Site Inspection	464:23 hrs	321	
Hand Adulticide	19:42 hrs	19	
Holiday	610:00 hrs	61	
Insectary	214:05 hrs	96	
Inventory	24:55 hrs	11	5681:23 hrs
Lab Experiment	228:56 hrs	76	
Landing Rate	02:57 hrs	30	
Leave Without Pay	118:15 hrs	14	
Mechanics Time	87:21 hrs	10	
Meeting	115:40 hrs	77	
Molecular Lab Work	209:45 hrs	53	
Mosquito Trap BG	42:16 hrs	146	
Mosquito Trap CDC Oc	135:29 hrs	236	
Mosquito Trap ID	49:44 hrs	22	
Mosquito Trap OV	10:05 hrs	103	
Produce Papers & Programs	202:20 hrs	44	
Project Research	134:05 hrs	49	
Public Relations	05:00 hrs	1	
Resupplying Trucks	32:33 hrs	58	
Sick Leave	202:45 hrs	26	
Sick/Personal Leave	08:00 hrs	1	
Source Reduction (tires)	21:39 hrs	6	
Supervisory	79:42 hrs	28	
Training Classroom	21:00 hrs	7	
Travel	15:30 hrs	3	
Vehicle Maintenance	74:14 hrs	45	



Florida Department of Agriculture and Consumer Services  
Division of Agricultural Environmental Services

**MOSQUITO CONTROL PESTICIDE  
USE INSPECTION REPORT**

NICOLE "NIKKI" FRIED  
COMMISSIONER

Section 388.361, F.S.  
Telephone: (850) 617-7996; FAX (850) 617-7968

**Return to:**  
Bureau of Inspection and  
Incident Response  
3125 Conner Blvd, Suite N,  
Tallahassee, FL 32399-1650

<b>DATE OF INSPECTION:</b> 11/23/20		
<b>I. FACILITY</b>		
NAME: Anastasia Mosquito Control District		TELEPHONE NO: ( ) 904-471-2107
ADDRESS: 120 FOC Drive		COUNTY: St John
CITY: St Augustine		ZIP CODE: 32092
INDIVIDUAL IN CHARGE: Rui-Do Xue		TITLE: Director
INDIVIDUAL INTERVIEWED: Paul Gurnea		TITLE: Operations Manager
NUMBER FULL TIME EMPLOYEES: 23	NUMBER PART TIME EMPLOYEES: 0	NUMBER CERTIFIED IN PHPC: 23
<b>II. PESTICIDE STORAGE</b>		
Is storage area clean, orderly and secure?		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Have all cancelled, suspended, unregistered, and/or chemically unstable products been properly stored or disposed?		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Are appropriate pesticide labels carried inside cab and on secondary container on spray vehicle?		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
<b>III. DISPOSAL</b>		
Are procedures for the disposal of pesticide containers consistent with label directions?		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Are rinsates added to spray mixes?		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Is there a system utilized that minimizes contamination of soil, water, and environment at the wash down area?		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
DISPOSAL COMMENTS:		
<b>IV. WORKER SAFETY</b>		
Is personal protective equipment required by pesticide labels available and in use by applicators?		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Is this equipment in satisfactory condition?		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Is the policy regarding use of protective equipment explained to all employees?		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Are Material Safety Data Sheets available in office, storage area and spray vehicles?		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Are emergency telephone numbers readily available?		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Are there records documenting adequate annual training and instruction to unlicensed applicators?		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Worker safety comments:		
<b>V. EQUIPMENT</b>		
Is equipment clean and maintained for mosquito control operations?		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Is there an established procedure for flow rate calibration and (adequate flow rate equipment to determine oz/min and/or ai/acre for adulticide usage as per label requirements) daily use determination of flow rate?		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Is there an established annual procedure for droplet size verification?		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
EQUIPMENT COMMENTS:		

**VI. RECORDS**

Are pesticide use records required by state law maintained for 3 years?	required records kept	✓
Are surveillance records required by state law maintained for 3 years?	required records kept	✓
RECORDS COMMENTS:		

**VII. PESTICIDES AND METHODS OF APPLICATION**

ADULT CONTROL: Duet thermal fog 50% dieldrin  
 Dibrom at rate of 0.7 fl oz / Acre  
 Aquarius 20120 mixed 1:5 with water ULV @ 10 mph  
 Mosquito Mist 2 by ULV

LARVAL CONTROL:  
 Sustain MABG by hand 1 bucket blower 5-7 lbs / surface A.  
 Vertebrate at 8 fl oz / Acre

PESTICIDE APPLICATION COMMENTS:

**VIII. INTEGRATED ARTHROPOD CONTROL PROGRAM § 388.281(2)**

	YES	NO
Are larvicides used?	Sustain MABG Vertebrate	✓
Are adulticides used?	Aquarius, Duet, Mosquito mist, Dibrom	✓
Are source reduction measures taken?	road side ditches cleaned by road dept	✓
Is public education provided?	Dedicated outreach program	✓
Is personnel training and certification provided?	Adequate records kept	✓
Is surveillance conducted?		

**IX. FIXED-WING AND ROTARY AIRCRAFT**

	YES	NO
Are all aircraft used for mosquito control currently registered on form DACS-13354?		✓
Are all aircraft secured when not in use, to prevent or deter theft or unauthorized use?		✓
Are pesticides securely stored to prevent access by unauthorized persons?		✓
List all aircraft types with aircraft number(s), DACS registration number(s) and registration expiration date(s):	N874M	

**X. BACKGROUND**

PREVIOUS INSPECTION RESULTS: PPF violation noted  
 DATE: 7-8-20

**XI. VIOLATIONS**

No violations noted. Previous PPF violation was corrected.

**XII. COMMENTS / PHPC License Number & Expiration Date**

Kay Garner, PHPC 01437	EX 4-3-2024
Koi-DF Xue PHPC 179	EX 8-31-2023

**XIII. ATTACHMENTS**

NAME OF INDIVIDUAL INTERVIEWED: Kay Garner	NAME OF INSPECTOR: Ted Harris
SIGNATURE: Kay Garner	SIGNATURE: Ted Harris
FACILITY NAME: Anwarina Mosquito Control District	DATE: 11-23-20





Florida Department of Agriculture and Consumer Services  
Division of Agricultural Environmental Services

**Respond to:**  
Bureau of Inspections and  
Incident Response  
3125 Conner Blvd, Suite N  
Tallahassee, FL 32399-1650

**NOTICE OF INSPECTION**

NICOLE "NIKKI" FRIED  
COMMISSIONER

Rule 5E-2.041, 5E-14.1025, 5E-13.034, F.A.C.  
Telephone Number (850) 617-7996

File Number: 320-474-2118 Date: 11-23-10 Time: 7:35 AM PM  
Name of Individual: Karl Gainer Title: Operations Manager  
Name of Firm: Amistada 2 Mosquito Control District  
Address: Ro EOC Drive City: St Augustine State: FL Zip: 32042

**REASON FOR INSPECTION**

- For the purpose of inspecting and obtaining samples of any pesticides or devices packaged, labeled, and released for shipment, and samples of any containers or labeling for such pesticides or devices, in places where pesticides or devices are held for distribution or sale. Authority: Sections 487.071, 487.031(13)(r), and 487.163(2), Florida Statutes.
- For the purpose of inspecting and obtaining copies of records or information specified in Sections 487.048, 487.160, or 487.0251, Florida Statutes; or Sections 5E-2.028, 5E-2.039, 5E-9.032 or 5E-9.033, Florida Administrative Code; or Section 8 of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended; or Part 169 or Part 170, Title 40, Code of Federal Regulations. Authority: Sections 487.071, 487.031(13)(h) and (r), and 487.163(2), Florida Statutes.
- For the purpose of inspecting public or private sites; vehicles, and/or equipment; and collecting samples and data where pesticides are known or thought to be stored or used; to determine if pesticides are being used in compliance with Chapter 482 and/or Chapter 487, and/or Chapter 388, Florida Statutes, and/or Rule Chapters 5E-2, 5E-9, 5E-13, or 5E-14, Florida Administrative Code. Authority: Sections 388.3711; 482.032; 482.061; 487.071; and/or 487.031, Florida Statutes.
- For the purpose of inspecting licensed business locations to gather information and/or samples in connection with the administration and enforcement of Chapter 482, Florida Statutes, and/or Chapter 5E-14, Florida Administrative Code. Authority: Sections 482.032 and 482.061, F.S.

Purpose of Visit: Tallahassee assigned reinspection

[Signature]  
Signature of FDACS Employee

ES-IT 11-23-10  
Title Date

[Signature]  
Signature of Person Interviewed

Operations Manager 11-23-10  
Title Date

NPDES INSPECTION NOTES

Facility Name: Amantarra Mosquito Control District Date of Inspection: 11-23-20

		YES	NO
1.	Has NOI been submitted? Tracking Number: <u>FLG-510026</u> Expiration Date: <u>12-19-21</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2.	Are pesticides being applied in accordance with labeled directions and in accordance with Chapter 388, FS, and Chapter 5E-13, FAC? <u>Applied per label</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3.	Are measures being taken to satisfy the TBEL (Technology Based Effluent Limitations)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	a. Are there measures in place to prevent pesticide spills and leaks? <u>Spill kits on all vehicles</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	b. Does the permittee conduct evaluations on the amount of pesticide and frequency of application necessary to control the target pest using equipment and application procedures appropriate for the task? <u>Monitor pesticide use for optimum control</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.	Is the operator monitoring to ensure that the pesticides used and frequency of applications are limited to that which is necessary to control the target pest using equipment and procedures appropriate for the task as outlined in Part IV A of the PGP. <u>Procedures in place</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5.	Is the permittee conducting IPM?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	a. Identifies the target pest and its densities, action thresholds, and breeding sites when possible? <u>Surveillance program in place district wide</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	b. Implements various pest management strategies? (i.e., no action, prevention, mechanical control, cultural control, biological control, pesticides.) <u>IPM program</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	c. Conducts surveillance prior to applications? <u>Trapping program and other surveillance in place</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	d. Assesses environmental conditions to determine when suitable for control activities? <u>verifies weather before + during applications</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6.	Has permittee developed PDMP that contains all required content as outlined in Part III of the PGP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PDMP CONTENTS			
	a. PDMP Team: Members identified? <u>All identified</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	b. Pest Management Area Description: Areas identified along with a map and a description of the pest problem? <u>District covers entire county</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	c. Control Measure Description: Outlined control measures that will be implemented to comply with effluent limitations? <u>No water bodies impaired for pesticides</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	d. Schedules and Procedures:		
	1. Gives application rate and frequency procedures for determining the optimum amount of pesticide product per application and optimum frequency necessary to control the pest, consistent with reducing potential resistance? <u>listed in PDMP</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	2. Contains spill prevention procedures and maintenance schedules for prevention of spills and leaks? <u>Sol in place</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	3. Lists pesticide application equipment procedures for selecting optimum method of application and maintaining the equipment, including maintenance schedules, calibrating, cleaning, and repair? <u>outlined in PDMP</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	4. Contains pest surveillance procedures and methods for conducting pre-application pest surveillance?	<input type="checkbox"/>	<input type="checkbox"/>
	5. Describes methods for assessing environmental conditions in the treatment area?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	6. Spill response procedures outlined? (Stopping, containing, cleaning, notifying, etc.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	7. Plan includes adverse incident response procedures?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	8. Plan includes pesticide monitoring schedules and procedures?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7.	Are records maintained as prescribed in Part V of the PGP? <u>Adequate records maintained</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Name of Inspector: <u>Ed Harris Environmental Specialist II</u>		Signature: <u>Ed Harris</u>	