

Emergency Mosquito Control After Hurricanes

Janet McAllister - CDC DVBD
Fort Collins, CO

FP 104-009-2 Eligibility of Vector Control (Mosquito Abatement)

- **PURPOSE:** This policy describes the criteria the Federal Emergency Management Agency will use to determine eligibility for vector control (mosquito abatement) measures.
- **AUTHORITY:** Section 403 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. 5121-5206, and 44 CFR §206.225(a)(3)(i).



Public Assistance Program and Policy Guide

FP 104-009-2 / April 2018

Types of Aid

- **Public Assistance** – Work that can be done by State, Territory, Tribe or local government (STTL).
- **Direct Federal Assistance** – When impact is so severe the STTL lacks capability to perform or contract work, STTL may ask Federal Government to provide assistance directly.

Cost Eligibility

- Directly ties to performance of eligible work.
- Adequately documented.
- Reduced by applicable credits (salvage proceeds, insurance etc).
- Authorized and not prohibited by Law.
- Consistent with applicants internal policies.
- Necessary and reasonable to accomplish the work properly and efficiently.

What's Covered?

- Personnel – overtime, and in some cases straight time
 - Generally depends on employee status, permanent vs seasonal or temporary
- Supplies – purchased and taken from stock
- Equipment and Purchased Equipment
 - Example – vehicle mileage, flight time, sprayer time
- Mutual Aid
- Contracts
 - Fixed price, cost-reimbursement and time and materials (T&M)

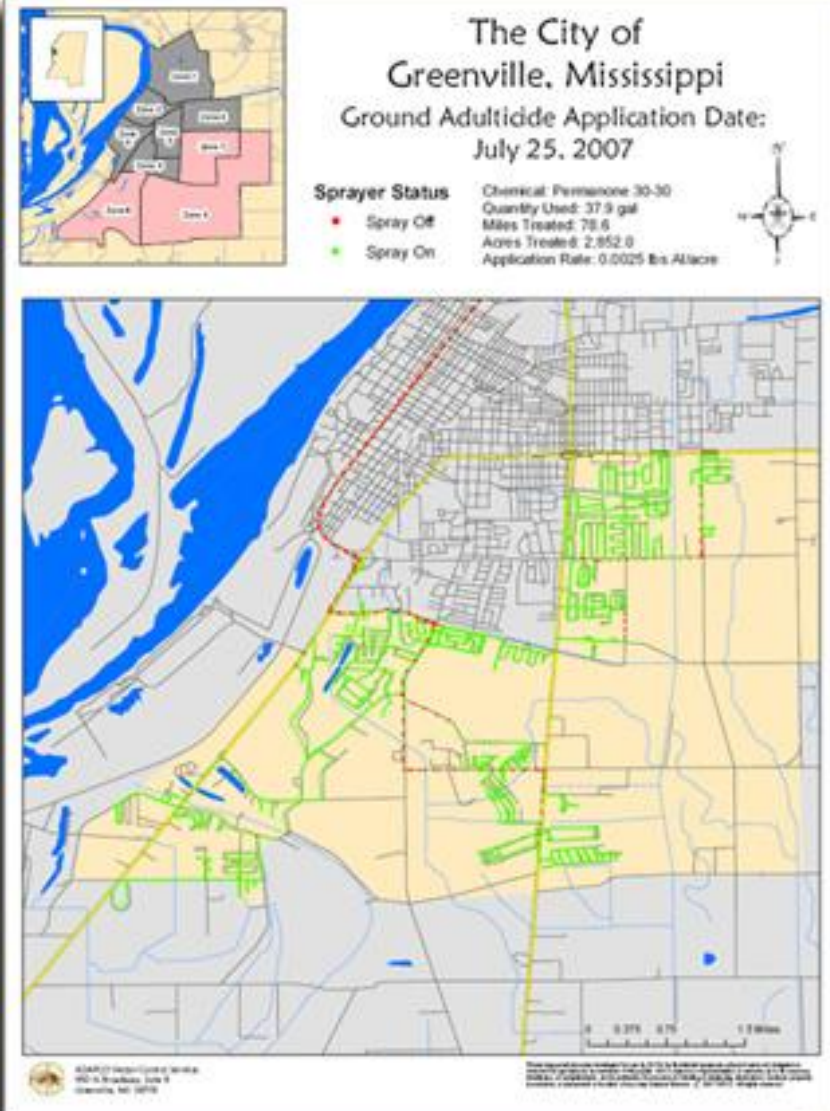
Mosquito Abatement

- Mosquito abatement measures may be eligible when a State, Territorial, Tribal, or local government public health official validates in writing that a mosquito population poses a specific health threat as discussed further in Appendix G: Mosquito Abatement. FEMA consults with the CDC to determine the eligibility of mosquito abatement activities. **FEMA only provides PA funding for the increased cost of mosquito abatement.** This is the amount that exceeds the average amount based on the last 3 years of expenses for the same period.

Necessary and reasonable

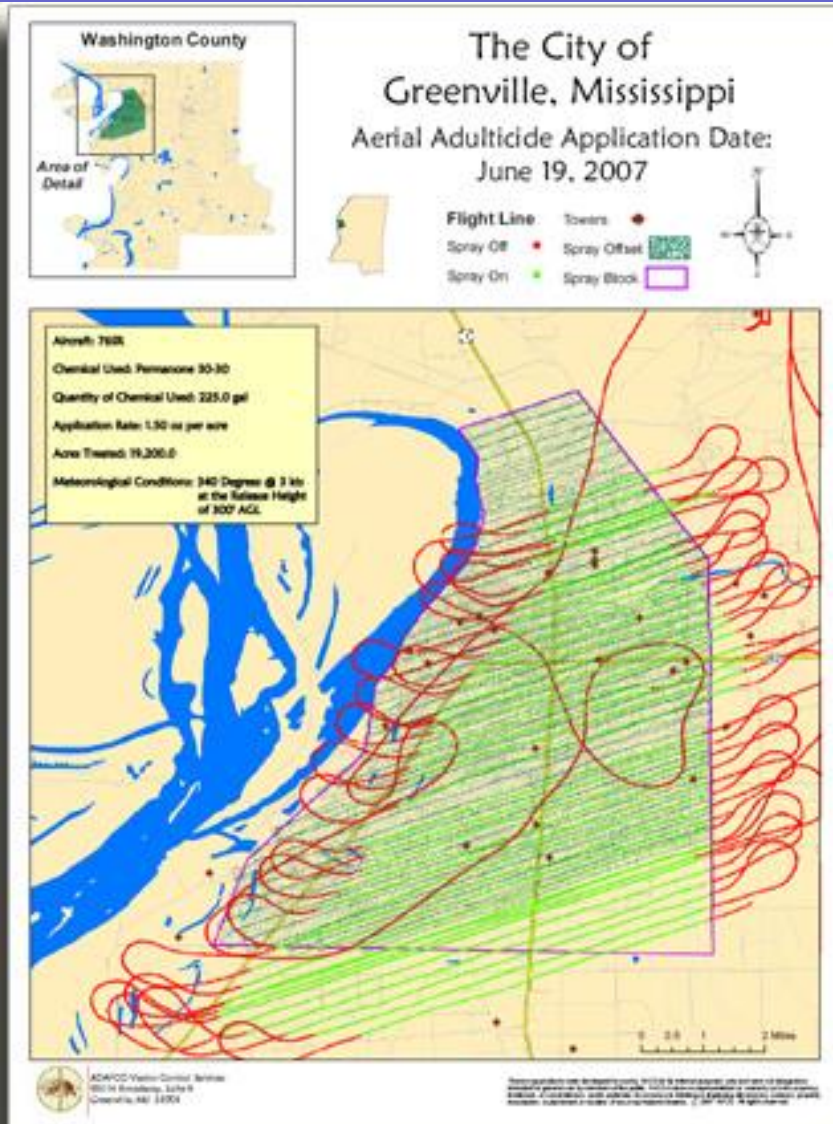
- Keep Records for a minimum of 3 years.
- Records needed:
 - Personnel time
 - Equipment logs
 - Amount of supplies
 - Contracts activated or executed specific to the even
 - Surveillance

Properly and efficiently



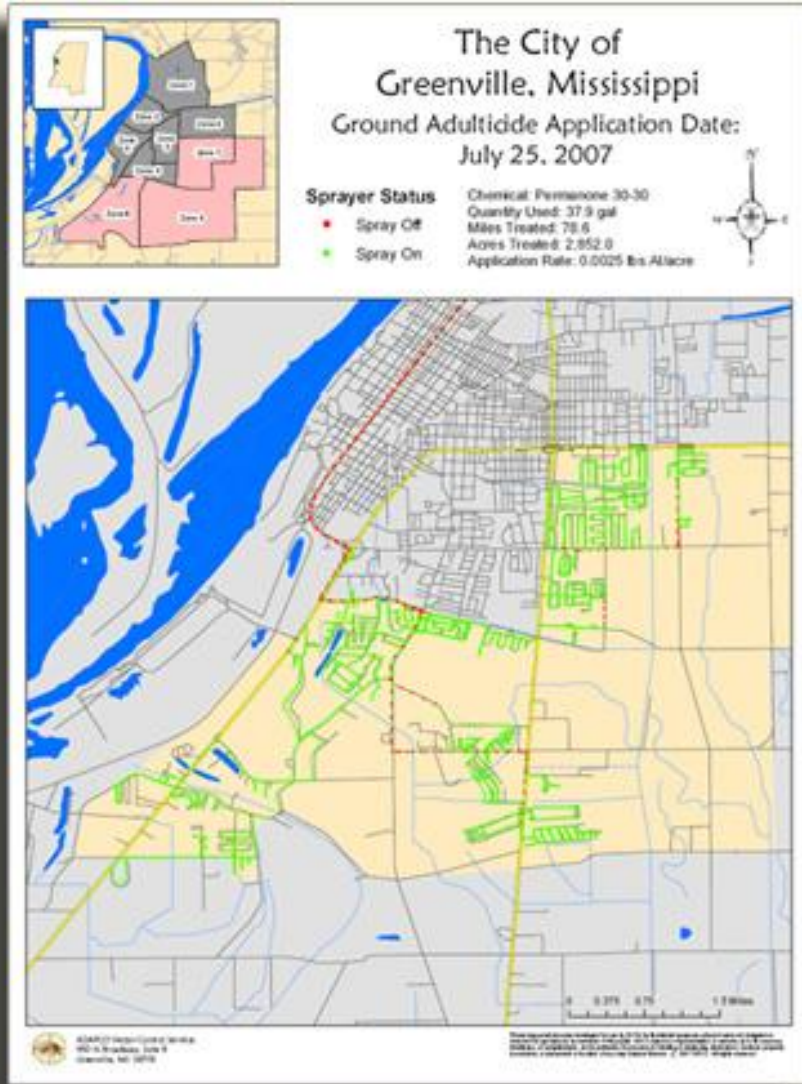
- Effectiveness is dependent on infrastructure landscaping and environmental conditions.
- Coverage is limited in scope – 1 truck can only cover a small number of miles in a night, about 1000 acres.

Properly and efficiently



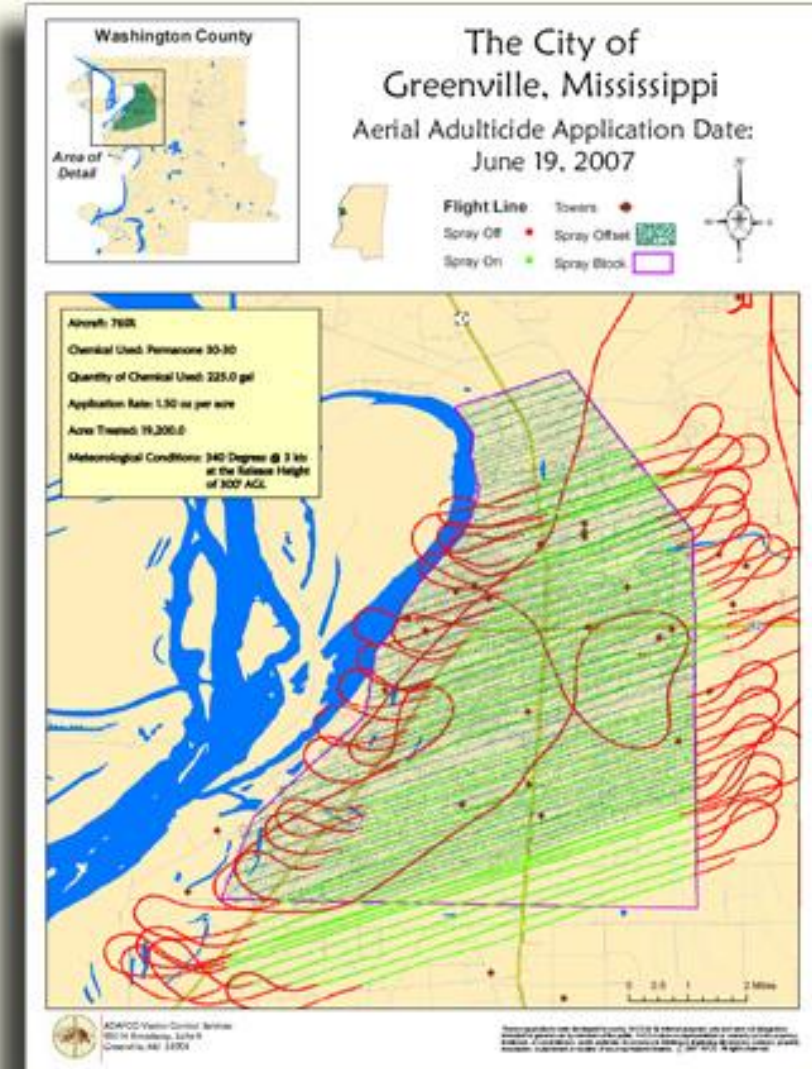
- Not crop dusting.
- Single plane can treat ~40,000 -60,000 acres in a night.
- Not dependent on road systems so less gapping in treatment area.

Properly and efficiently



Truck:
78.6 miles
2,852 acres

Aircraft:
14,206 acres



Common problems



Control

- Unusual issues
 - Disruption of navigation/communication
 - Drivers/pilots unfamiliar with area
 - Training issues
 - Canyon effect
 - Safety – unlit streets and towers
 - Impassible streets



Training Opportunities

FEMA

www.training.fema.gov

Center for Domestic Preparedness in
Anniston, AL

<https://cdp.dhs.gov>

NAVIGATION

- ▶ [CDP Center for Domestic Preparedness \(CDP\)](#)
- ▶ [Emergency Management Institute \(EMI\)](#)
- ▶ [National Training and Education Division \(NTED\)](#)

HIGHER EDUCATION OPPORTUNITIES

- ▶ [EMI Higher Education Program](#)
- ▶ [Center For Homeland Defense and Security](#)

Welcome to the National Preparedness Directorate National Training and Education

[Online Course Catalog](#)
[NPD Online Course Catalog User Guide](#)

The National Preparedness Directorate (NPD) online Course Catalog provides searchable, integrated information on courses provided or managed by FEMA's Center for Domestic Preparedness (CDP), Emergency Management Institute (EMI), and National Training and Education Division (NTED). The online course catalog is now available, however it is still under construction. If you have any questions or comments please contact LMI at lmiwebmaster@fema.dhs.gov.



[Center for Domestic Preparedness \(CDP\)](#)

Train at the nation's premier all-hazards training center! FEMA's Center for Domestic Preparedness (CDP), located in Anniston, Alabama, is the United States Department of Homeland Security (DHS)'s only federally chartered

Weapons of Mass Destruction (WMD) training center.



[Emergency Management Institute \(EMI\)](#)

Through its courses and integrated programs, EMI serves as the national focal point for the development and delivery of emergency management training to enhance the capabilities of State, local, and Tribal government officials;

volunteer organizations; FEMA's disaster workforce; other Federal agencies; and the public and private sectors to minimize the impact of disasters and emergencies on the American public. EMI curricula are structured to meet the needs of this diverse audience with an emphasis on separate organizations working together in all-hazards emergencies to save lives and protect property. Particular emphasis is placed on governing doctrine such as the National Response Framework, National Incident Management System, and the National Preparedness Guidelines.

Questions?



Avian flu hits Florida trailer park.