Call The Bomb Squad,
To Be concluded
Revamping The City of Hinesville's Mosquito Control Program
Purpose

Re-Vamping The City of Hinesville’s Mosquito Control Program

To abate the mosquito population in the City with minimal impact on the environment and citizens.

Operate the program while under the regulations of The Hinesville PDMP
The City of Hinesville,

Georgia is located in Liberty County, which is in the Lower Coastal Plain Physiological Region of the state. The total square miles for Hinesville is 21.18.

The area is bordered by Fort Stewart Army Installation to the North, Long County to the West, the cities of Allenhurst and Walthourville to the South, and Flemington and Liberty County to the East. Hinesville has Terrell’s Millpond within its city limits and Davis Swamp outside its city limits to the east.

Horse, Mill and Peacock Creeks serves as floodplains drain through the city.
The City of Hinesville,
Treatment History and Method

Prior to the coming aboard of the new administration in 1978, mosquito control was already in motion. The program started with a need to create a healthy and tolerate environment for the citizens and visitors of Hinesville GA. The program launched of with to spray trucks that used a chemical call Malathion, which had a very offensive smell. In 1997 New Jersey traps were brought on the scene as a surveillance (trapping) tool. The mosquitoes that were collected from the traps were delivered to the Liberty County Health Dept. The Liberty County Health Dept was responsible for separating the males from the females where in a report was generated and given to The City of Hinesville reflecting the mosquito count, thus threshold levels were developed. A female count of 60 from any zone or route initiated the spraying of all zones or routes. To this day, New Jersey traps are still being used as a means of mosquito collection.
(Purpose)- To help create better communities and companies through innovative operations and maintenance solutions

(What do we do)- CH2M HILL partners with communities and companies to deliver a complete range of custom-tailored operations and maintenance solutions. Our sustainable O&M solutions include water and wastewater system optimization; contract O&M of water, wastewater and other utilities; facilities management; and complete municipal operations, including administration, public works and community development – all backed by a commitment to safety, quality, innovation and customer service.
Because we stand behind our commitment to safety, quality, innovation and customer service we were obligated by those very attributes to regroup and form a huddle of brainstorming that would in return produce solutions that when put into motion, will provide the citizens of Hinesville with a comprehensive program. This is where revamping started.
What pieces of the past program were we going to take up first?
Well, first we had to yield and pick up the peace that dealt with the **SAFETY** aspect of the program
What did we find?
- New Jersey traps weren't properly grounded
- Faulty patching of wiring
- Fogging was not discontinued when close to the citizens
- Due to old construction, Chemicals storage areas had limited vitalization
- Spill kits were not carried in the trucks by operators
- New Jersey traps were found in poor conditions. (poor maintenance practices)
- The location of the traps were not placed in representative locations.
- The traps had to be in locations with an electrical outlet.
- The old way of running the routes were not ethically sound.
- There was no justification for high operation expenses.
After bringing the pieces of quality assessment to the table to continue the process of revamping, what peace did we pick up next?
Well, we had to pick up the peace of educating our employees
Which included Interactive class room training
The next piece to pick up was the team’s commitment to source reduction.
Teamwork with Construction Maintenance
Team work added numerous pieces to the puzzle
Next Peaces, Public Education
Public education allows the public to become more aware so that they can fulfill their roles in pushing the peace together.
Chapter 12  OFFENSES AND MISCELLANEOUS PROVISIONS*
*State law references:  Criminal Code of Georgia, O.C.G.A. § 16-1-1 et seq.

ARTICLE III.  OFFENSES INVOLVING PUBLIC HEALTH

Sec. 12-70.  Stagnant water.

It shall be unlawful for any owner or occupant of property within the City to allow a pond, barrel, tin can, vehicle tire, or any container, in which water does or might collect and stagnate, or fail to remedy same within seven days after water collects therein, by draining or filling any such pond and by removing any such container. In the event it is not practical to drain or fill such pond, the same shall be effectually treated against mosquito breeding to the satisfaction of the Health Officer.
(Code 1978, § 12-33)

Becky Widincamp
Next, Inventory and Data Collection (GPS\GIS)
Inventory
Which makes it for easy Inspections, documentations, and record keeping
Work order system
Maintenance connection
**Request**

**Maintenance Details**
- **Requested By:** GRAHAM, KENNA on 10/5/2012 4:10:00 AM
- **Target:** 10/4/2012 (1.5 hrs)
- **Priority/Type:** Low Priority
- **Supervisor:** GILLIARD, GARY
- **Shop:** HIN-STREET DEPT
- **Reason:** Inspect area to see if it was conducive to mosquito emergence
- **Contact:** GRAHAM, KENNA
- **Phone:**

**Tasks**

<table>
<thead>
<tr>
<th>#</th>
<th>Description</th>
<th>Rating</th>
<th>Means.</th>
<th>Initials</th>
<th>Failed</th>
<th>Complete</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>Inspect site to see if area was conducive to mosquito emergence</td>
<td>KG</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
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</tbody>
</table>

**Labor**

<table>
<thead>
<tr>
<th>Labor Account</th>
<th>Assigned</th>
<th>Work Date</th>
<th>Start</th>
<th>End</th>
<th>Reg Hrs</th>
<th>OT Hrs</th>
<th>Other Hrs</th>
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</thead>
<tbody>
<tr>
<td>GRAHAM, KENNA</td>
<td>10/4/2012</td>
<td>1.5</td>
<td></td>
<td></td>
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</table>

**Materials/Tools**

<table>
<thead>
<tr>
<th>Item</th>
<th>Location</th>
<th>Account</th>
<th>Est Qty</th>
<th>Actual Qty</th>
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</thead>
<tbody>
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</table>

**Labor Report**

- **Completed:**
- **Failure:**
- **Report:**

**Approvals**

<table>
<thead>
<tr>
<th>Name</th>
<th>Approval Date</th>
<th>Description</th>
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</thead>
<tbody>
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</table>

http://www.maintenanceconnection.com/mcv18/mapp.v60/modules/reports/ptcheck2.asp... 10/8/2012
Inspection sheet attached to request

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**Mosquito Inspection Report**

**Name:** Kenna Graham  
**License #:** 00353

**Date:** 10/4/2012  
**Time:** 5:05 PM

**Owner:** Brian  
**Phone #:** 912-572-8493

**Address/Parcel #:** 967 Granger

**Service Request:** Customer concern that because flood is an issue in his area that West Nile can become a problem.

### Problem Areas

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<thead>
<tr>
<th>Area</th>
<th>YES</th>
<th>NO</th>
<th>Remarks</th>
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</thead>
<tbody>
<tr>
<td>Swimming Pool</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pond</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tires</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Containers</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tarps, Covers</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Boats, Auto</td>
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<td></td>
<td></td>
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<tr>
<td>Trailers</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Roof Gutters</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Planters, Dishes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Children’s Toys</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pet, Livestock Water</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Excess Vegetation</td>
<td></td>
<td></td>
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<tr>
<td>Storm Drains</td>
<td>✓</td>
<td></td>
<td></td>
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<tr>
<td>Ditches</td>
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<td></td>
</tr>
<tr>
<td>Retention Ponds</td>
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<td></td>
</tr>
<tr>
<td>Low Areas</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Adult Mosquitoes</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mosquito Larvae</td>
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</tbody>
</table>

**Comment**

Visited Brian at his house. There was water standing water in the storm drain near his house and in the ditched near his house but the area had received rain the night before. I performed a landing count test and not one mosquito landed on me at the time, which is not a major concern. Whenever there is no rain in the forecast, I will set out mosquito traps in that area to sample for Culex Species which is a West Nile vector (carrier). At that date and time the environment was not conducive to mosquito breeding i.e. temperature and water retaining time.

**Sign:** Kenna Graham  
**Date:** 10/5/2012
Add new traps and modern day technology.
Microscope (S8APO) and Camera
Now we perform mosquito counts, gender separation, species identification and also send mosquito poles to Danny (UGA) to be tested.
Microscope (Camera)
Back to the Bomb Squad.

Insect trap mistaken for bomb
Street closed, residents evacuated as authorities investigated

By Lewis Levine
Coastal Courier correspondent

A case of misidentification sent emergency personnel scrambling and closed streets Wednesday night in Hinesville.

According to an incident report filed by Hinesville Police Department Patrolman Robert Smith, a mechanism thought to be an explosive device was found in the backyard of a home in the 500 block of Myrtle Lane.

Smith said he was dispatched to the home of Sharee Fountain shortly after 8 p.m., where Fountain told the officer she left her home around 6:30 Wednesday morning and returned later that evening to find a device covered in a trash bag in her backyard near the driveway. The device, Fountain said, was humming, had wires coming from it and was connected to a battery.

Smith, who was unsure what the device was, described it in his report as a plastic container like a drain pan with metal-frame bars and a black cone connected to a battery.

Within minutes, the quiet street was sealed and teeming with Hinesville Fire Department trucks, police and members of the Liberty County Sheriff's Office bomb squad.

A mosquito catcher caused quite a stir Wednesday when it was mistaken for a bomb. A street was cleared and GBI was on its way when authorities on site realized the mechanism in question was an insect trap, not an explosive device.
MOSQUITO CONTROL
DEVICE
IN OPERATION
City of Hinesville
912-876-8216
Which concluded the first stage of revamping