Mi-Co Mobility Summit - 2015

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Virginia Department of Agriculture & Consumer Services
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Office of Pesticide Services

Office of Pesticide Services (OPS)

- The OPS Mission
  - Protect consumers and the environment;
  - Ensure the safe and effective control of pests that adversely affect crops, structures, health, and domestic animals.

- OPS authority
  - Virginia Pesticide Control Act and
  - Regulations Pursuant to the Act.

- Staff also has federal credentials to enforce provisions of the Federal Insecticide, Fungicide and Rodenticide Act.

Office of Pesticide Services

- **Supervisor: Vickie Rengers**

- Certify applicators
- License businesses
- Register pesticides
- Approve pesticide safety education training
- WPS

- **Supervisor: Clint Shettle**

- Inspections/Investigations
- Compliance Assistance
- Outreach & Education

Certification, License, Registration, &Training

Enforcement & Field Operations

Environmental Stewardship & Special Projects

Compliance

- **Manager: Jeff Rogers**

- Disposal/Recycling
- Container & Containment
- Bed Bug Outreach & Education
- VCE Recognition Awards Program

- **Manager: Rohan Williams**

- Reviews cases to determine violations
- Takes appropriate enforcement actions
- Ensures due process

A bit about the process…

- Eforms solution funded by US EPA Region III
- Solution to be developed first in Virginia
- Then proliferated to the other EPA Region III states.
- Beginning implementation in West Virginia and Maryland

Why MiForms?

- **As of July 15, 2014 (CLRT statistics)**
  - certified applicators – 21,545
    - 7,519 commercial
    - 6,724 private
    - 7,302 registered technicians)
  - licensed pesticide businesses – 2,897
  - pesticide products registered – 14,954

(That's about 40,000 pieces of paper...)

Why MiForms? – Enforcement

- **For July 1, 2013 through June 30, 2014**
  - Conducted 2,167 inspections
  - Conducted 121 investigations
  - Responded to 25 citizen assistance requests
  - Reviewed and approved 334 pesticide safety education programs (recertification courses)
  - Participated/conducted 176 outreach and education events
  - Monitored 79 pesticide safety education programs (recertification courses)

Why MiForms ?

- Successful Implementation for North Carolina
- Cost efficiency
- Product Quality
- Form flexibility
- Availability of data
  - For field staff
  - For administrative staff
- User control

Cost Efficiency

- Savings in printing and mailing
- Forms completed in less time
  - In a regulatory organization ~ 80% of the budget is taken up by personnel costs.

Great Data – Poor Penmanship…

Product Quality

- All inspection results are public record
- MiForms solution creates standardized output that is always neat and legible
- Required fields always completed

Form Flexibility

- Forms can be changed quickly.
- No need to wait for the next revision and printing cycle.
- No need to hand written addendums
- Able to respond to the 'focus de jour'

Data Availability

- For field staff
  - Lookup tables built into the form for all applicators, businesses and products
  - Maintains consistency of names, addresses, etc between inspections
- For Admin Staff
  - Immediacy of availability of inspection activities and results for timely analyses

User Control

- Using the designer the user can...
    - Make changes to the forms
    - Develop new forms

The Virginia Solution

- The Form Package
  - Every inspection involves multiple forms issued to the same individual/business
  - That group of forms constitutes a 'case'
- The Master Form contains basic ID information on the primary inspected party
  - All forms are sub-forms of the master
  - Auto-populated from the master

The Master Form

The Master Form

FORM SESSION MANAGEMENT

Completed Sub-Form Sessions

ID	Form Name	Facility	

Export All Forms to PDF   **Delete Selected Form**   **Open Selected Form**

Available Blank Forms

Form Name
Notice of Inspection
Use Investigation
Pesticide Business Inspection
Pesticide Dealer Records Inspection
Pesticide Producer Establishment Inspection Report
Bulk Storage and Containment Inspection VA
WPS
Adverse Findings Report

Open Selected Form

The Virginia Solution

- Data Replication
  - Daily creation of csv files from the CLRT data for
    - Businesses
    - Applicators
    - Products
    - Inspectors
  - Data replication process melds that data into an sqlite database on the MiForms server
  - Staff use the Data Sync Form to download the changes into an sqlite database on their client machine

Data Syncornization

Mi-Analytics

- Reporting and analysis tool

Challenges

- Staff acceptance
  - Generally positive
  - Practice, practice, practice…
  - Don't presuppose who will like or dislike.
  - Be flexible in allowing how forms are completed

Challenges - Staff

- What they like
  - DATA!
  - Pre-fill of sessions prior to inspection
  - Quality of the output
  - Email of results to inspected party
  - No more mailing of inspections

Challenges - Staff

- Sources of frustration
  - Failed uploads/downloads
  - Styli that work intermittently
  - Tablet batteries – keeping them charged
  - Screen visibility in daylight
- Solutions for these items???
  - Think through your hardware choices carefully
  - Spare styli and batteries
  - Second docking stations for mounting in trucks
  - Can use touch in place of pen input (mostly)

Challenges - Technical

- BANDWIDTH, BANDWIDTH, BANDWIDTH
  - Master form concept very helpful, but it's a big chunk of data…
  - Lookup data rather large
- Solutions…
  - 10.1 has improved compression and has helped greatly with success in uploading sessions
  - Make sure staff have access to GOOD internet connections

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