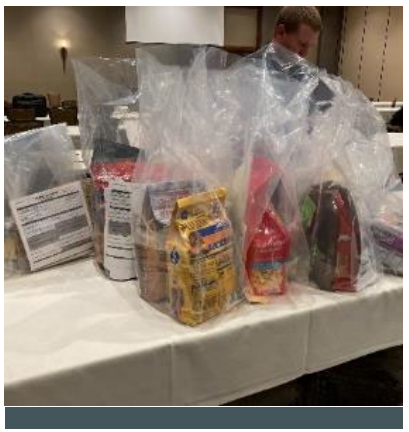
Michigan Department of AGRICULTURE & Rural Development

2022 Sample Team Exercise Series



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Mission and Key Goals

Assure the food safety, agricultural, environmental and economic interests of the people of the State of Michigan are met through service, partnership, and collaboration.

Four Key Goals

FDA Rapid Response Team Program

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Today's Presentation: Thoughts

- How can you build emergency response capacity in your organization?
- In your training activities, how can you check more boxes?
- Who will replace us?

- Background
- 2022 Sample Team Exercise

What is Sample Team Exercise?

- Key piece of the Michigan RRT Training Plan
- Regional staff meeting: 8-10 sessions around Michigan over ~6 months
- Every three years – it's a big lift!
- Surge Capacity Exercise
  - Practice Incident Command System (ICS) concepts
  - Try on new Incident Management Team (IMT) roles
  - Field staff practice surge capacity tasks

What is Sample Team Exercise?

- Agenda:
  - AM Training
    - Director Meet & Greet
    - Verbal Judo Training
    - EM, ICS Refresher
  - PM Exercise
    - IMT Operations Briefing
    - Sampling / Field Assignments
    - Hotwash & Demobilization

Overarching Goals & Objectives

- ↑ Employee engagement
- ↑ Surge capacity
- ↑ Incident Command System
- ↑ Technology
- ↑ Safety
- ↑ Multiagency Coordination
- ↑ Sample collection
- ↑ Chain of custody
- ↑ Evaluate risk in marketplace

Employee Engagement

Meet the Director

Regional staff meeting

Cross training

New roles

“Behind the curtain” of ICS

Incident Command System Training

All staff: IS-100, IS-200, IS-700, IS-800

~140 of 450 staff: Advanced training & cross-divisional IMTs

Ad-Hoc Teams responding to real emergencies

IMT Preparation & Practice

- Mixed levels of experience
- Opportunity to try new things, shadow others
- Mentors & ringers at each session
- Emergency response facilitated discussion as field teams are out collecting samples

STE 2019 Milestones

- Unique scenarios at each session
  - Pre-2019: repeat same scenario at each session
- Multiple activities on a single day
  - Skimmers, Fish Fraud, and Pig Ears (Lansing and Taylor sessions)
- First time for:
  - Radiological Emergency Preparedness scenario
  - Skimmer sweep – Weights & Measures
  - Skeeter Spray Squad: Insect repellent sampling
  - Chemistry analysis - Laboratory Food, Fuel, and Disease Section
    - Luster Dust, Bulk Spices, Fish Speciation

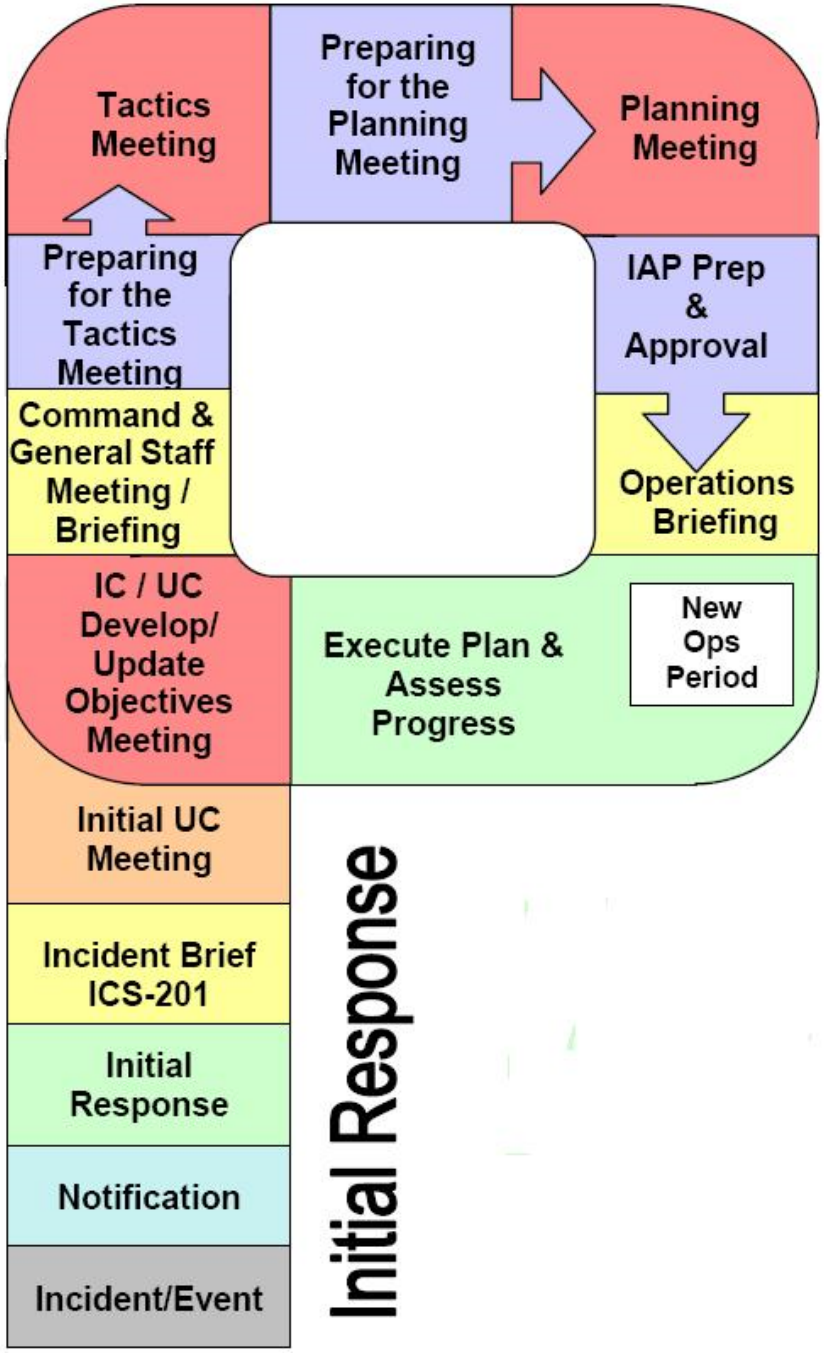
2020-2022 MDARD IMT Activations

- March 2020: COVID-19
- April 2020: Ralstonia in Geraniums
  - NBD, just an economically devastating plant pathogen the US hasn't seen since 2004
- October 2020: COVID-19 in Mink
- March 2021: Mobile Vaccination Units
- August 2021: Balsam Wooly Adelgid
- February 2022: Highly Pathogenic Avian Influenza
- August 2022: Spotted Lanternfly

2022 Sample Team Exercise

- Surge of staff who took ICS 300 & ICS 400, some position specific and IMT courses
- ICS positions, skillsets, and talents – utilize everyone
- Planning Team using ICS to plan the whole thing

Planning Cycle



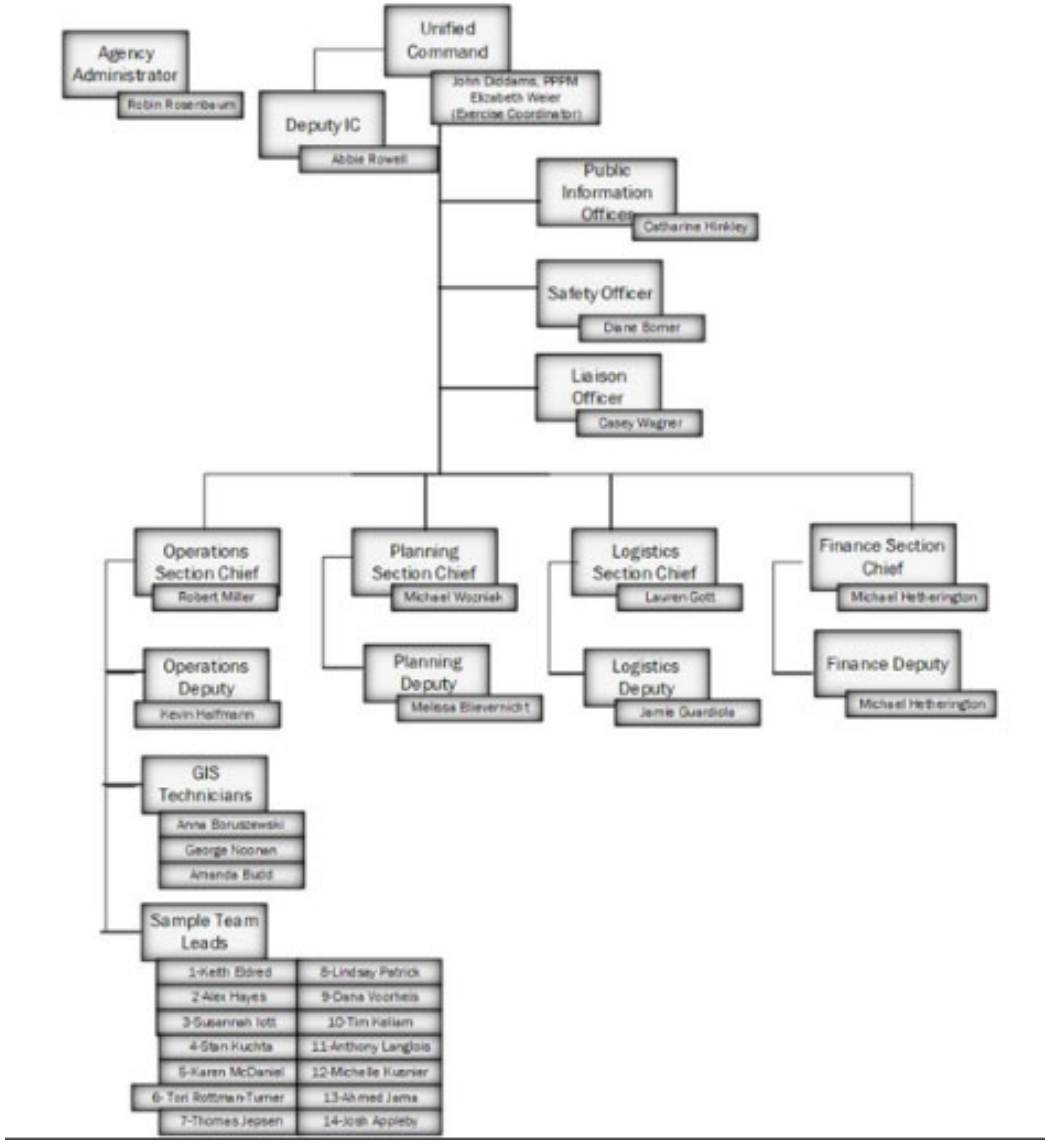
2022 Sample Team Exercise Sessions

- March: West MI – Balsam Wooly Adelgid survey
- April: SE MI – Mushrooms & convenience store sandwiches
- May: NW MI – Soft cheese
- May: NE MI – Asian Longhorned Beetle survey
- June: UP - Cheese
- June: SW MI – Highly Pathogenic Avian Influenza
- July: Mid MI – Animal Feed – Pet Treat Salmonella
- August: Capitol Area – Midwest Melons, Disinfectants, and Pesticides
- August: SE MI – Radiological Emergency Response
- September: Animal Disease Response (TBD)

March 31, 2022 – Rockford, MI
Plant Pest Survey – Balsam Wooly Adelgid

Accomplishments:

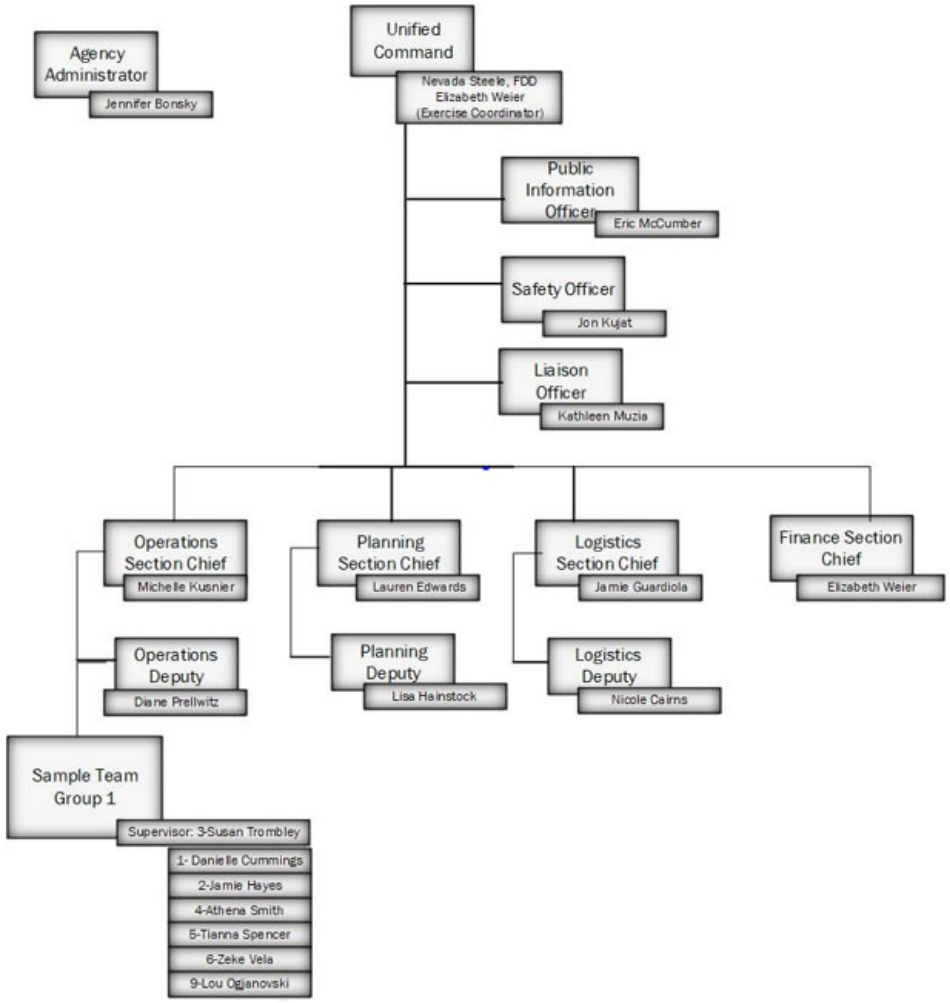
- First plant health survey scenario for Sample Team Exercise
- Expanded area that has been surveyed for BWA; no detections
- First in-person meeting post-COVID for lots of people!
- First time using the Planning P to plan a Sample Team Exercise session – the IMT created the IAP.



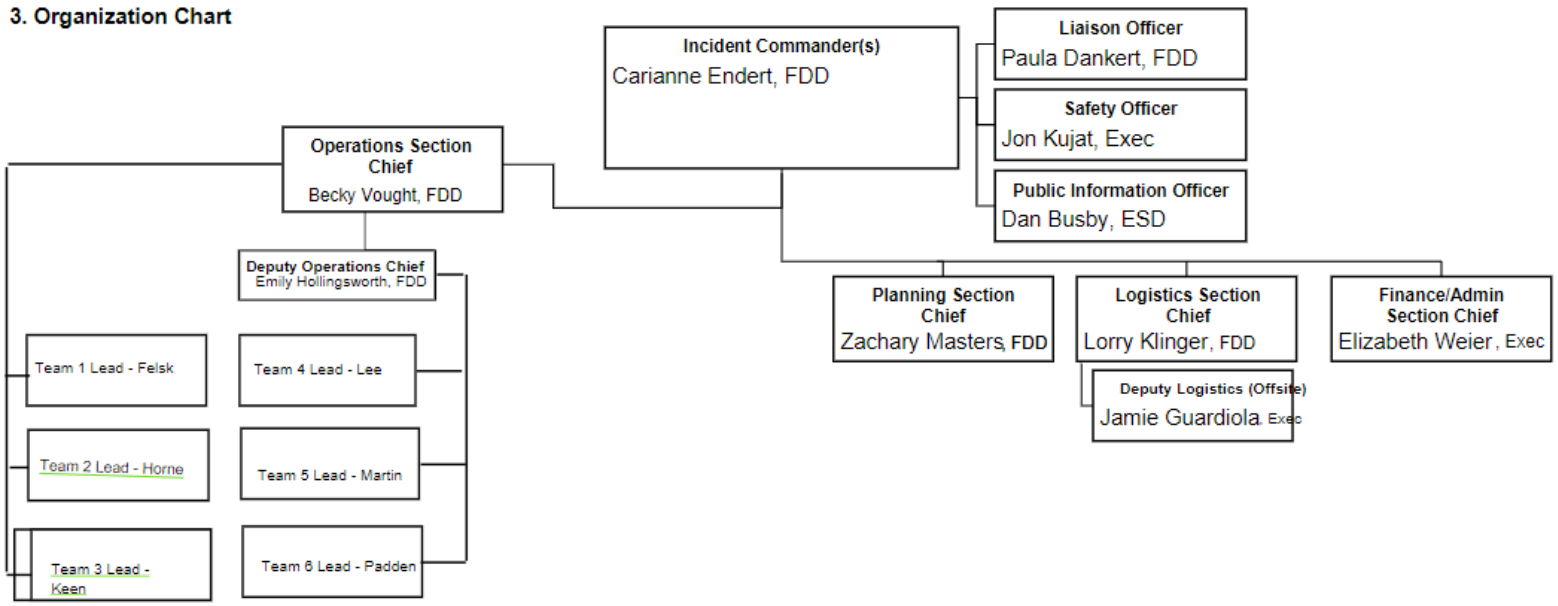
April 13, 2022- Clawson, MI
Mushrooms & Convenience Store Sandwich Sampling

Accomplishments:

- Sampled products previously linked to outbreaks
- No positive samples
- Improved just-in-time training and sampling demonstration
- All samples negative for all three pathogens (*Salmonella, E. coli, Listeria*)



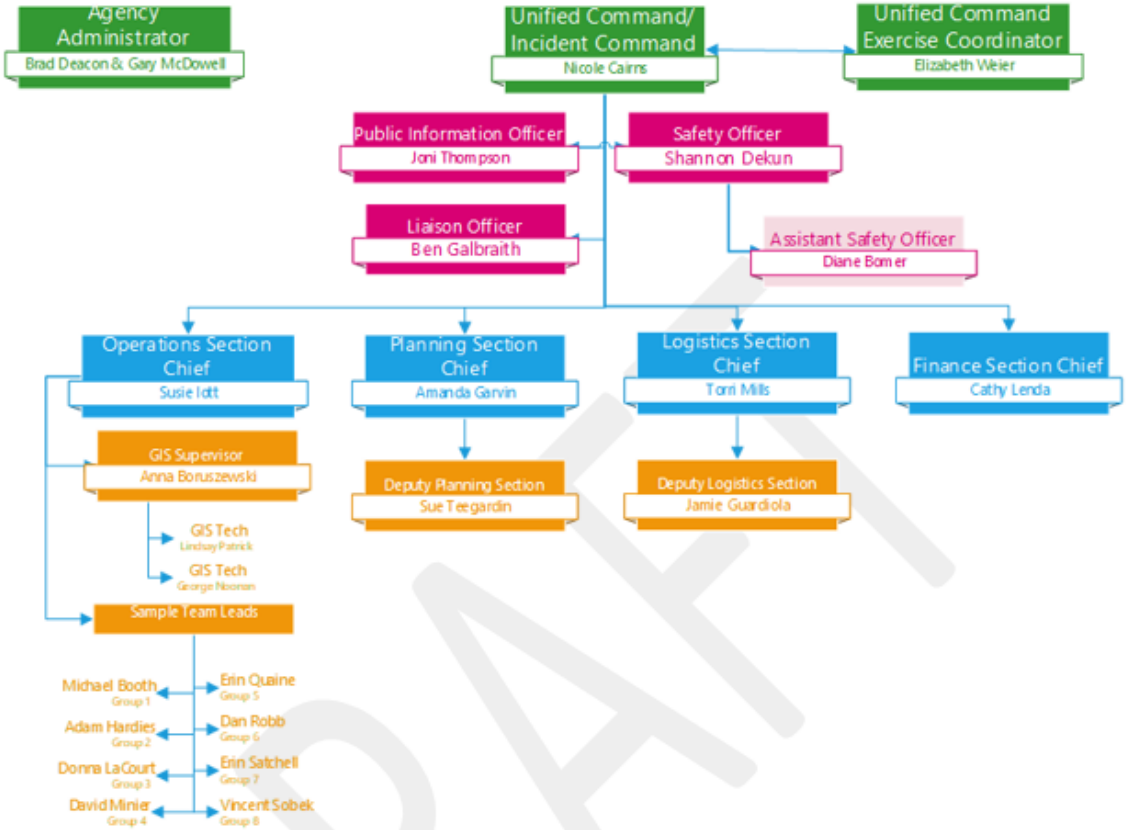
May 11, 2022 – Traverse City, MI
Cheese Sampling



Accomplishments:

- Marketplace risk evaluation of soft cheeses, following French study finding E. coli in similar products
- Opportunity to discuss difference of sampling dairy products at retail level vs. manufacturing level
- Temperature management of samples and cold shipping to lab
- All samples negative for all three pathogens (*Salmonella, E. coli, Listeria*)

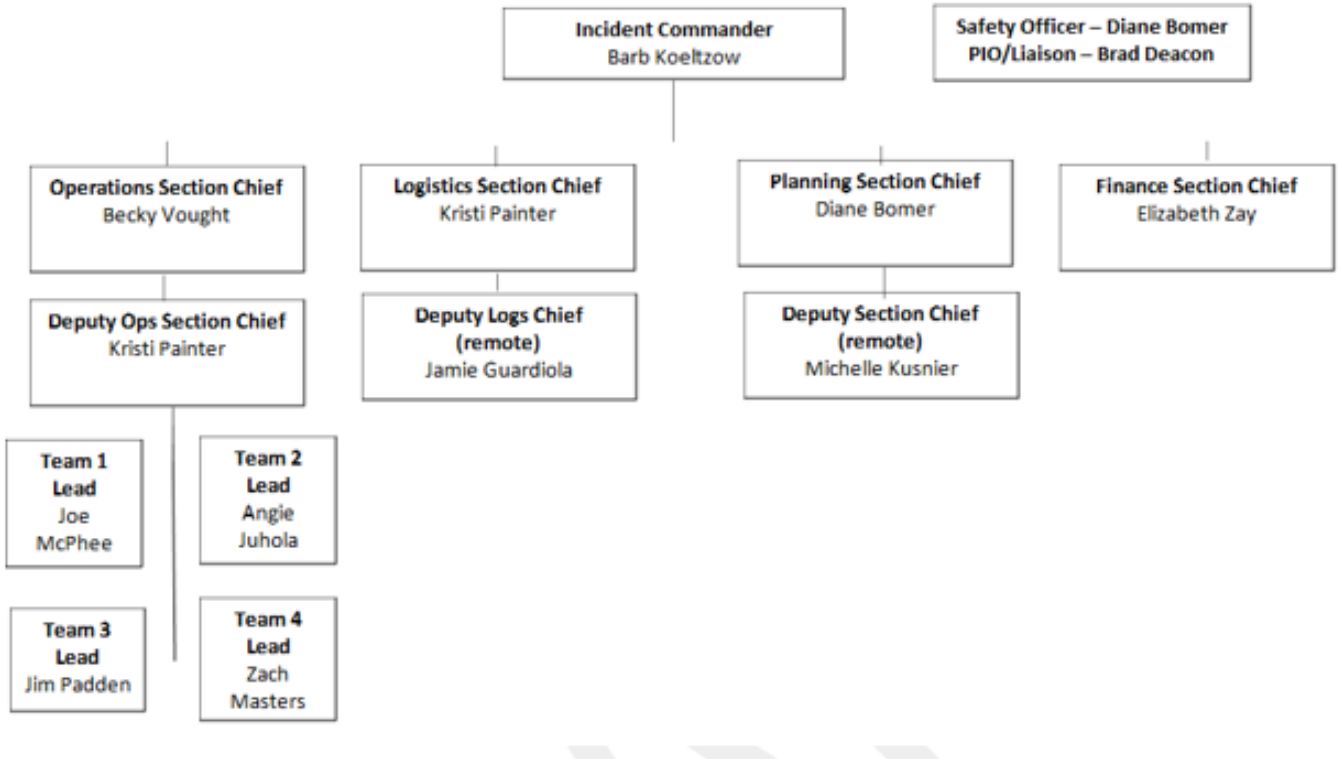
May 25, 2022- Hillman, MI
Plant Pest Survey – Asian Longhorned Beetle



Accomplishments:

- Second plant pest survey
- Expanded area that has been surveyed for ALB in maple trees; no detections
- Important practice before spotted lanternfly was detected in Oakland County in August 2022

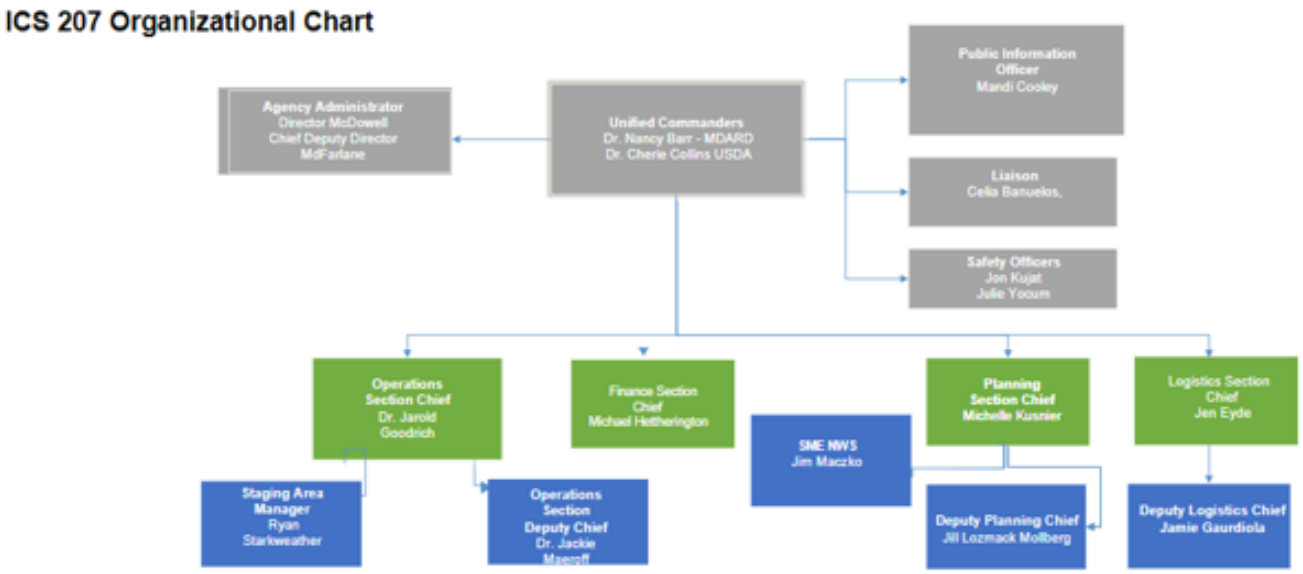
June 8, 2022 – Marquette, MI
Cheese Sampling



Accomplishments:

- Repeated Traverse City scenario and made improvements
- Temperature management of samples and cold shipping to lab
- All samples negative for all three pathogens (*Salmonella, E. coli, Listeria*)

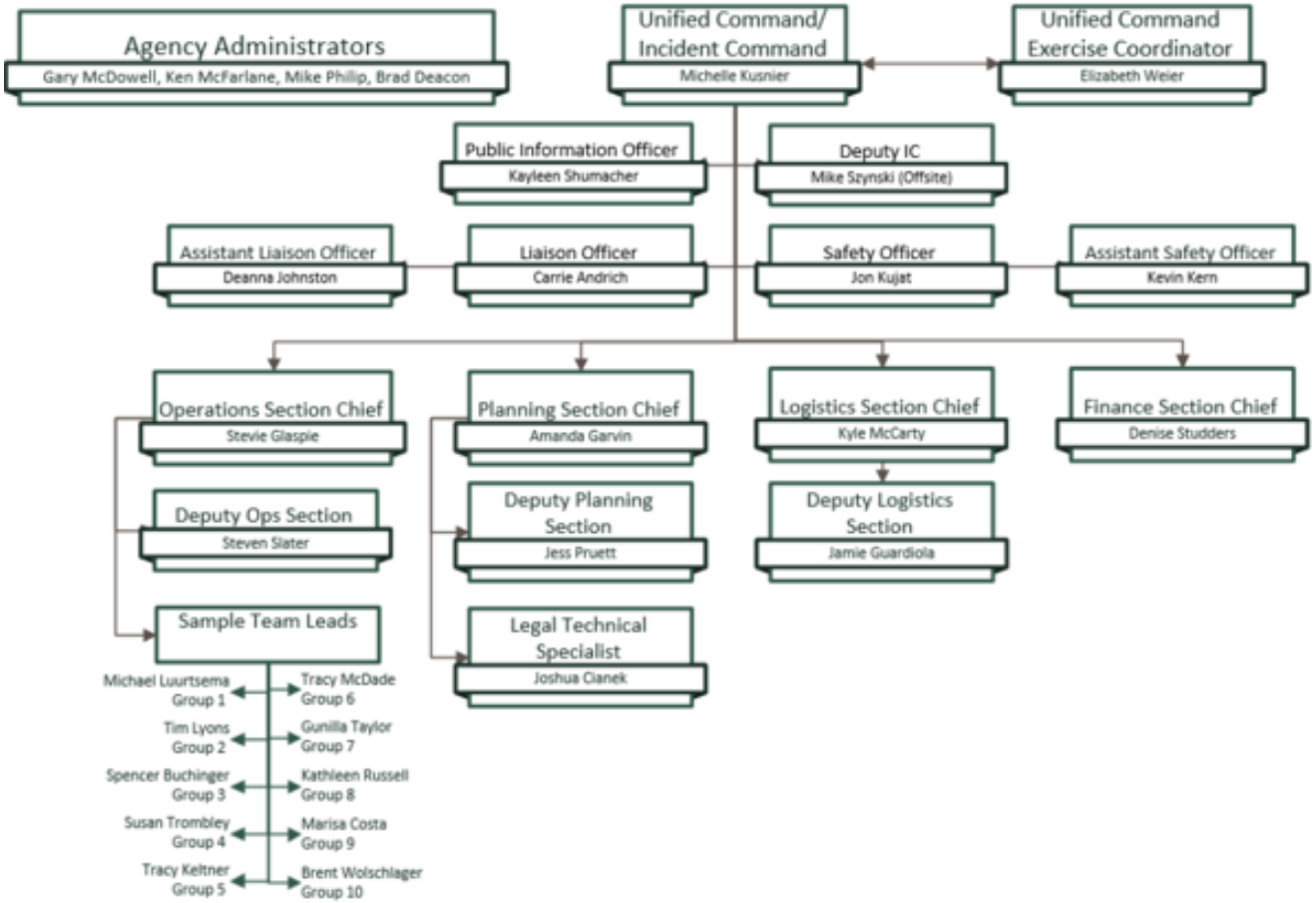
June 22, 2022 – Marshall, MI
Avian Influenza Response



Accomplishments:

- First avian influenza scenario
- Timely; exercise occurred between the Spring 2022 and Fall 2022 highly pathogenic avian influenza responses
- Important background and awareness training on a relevant animal health topic
- In real-world worst case scenario, staff from across MDARD could be asked to help

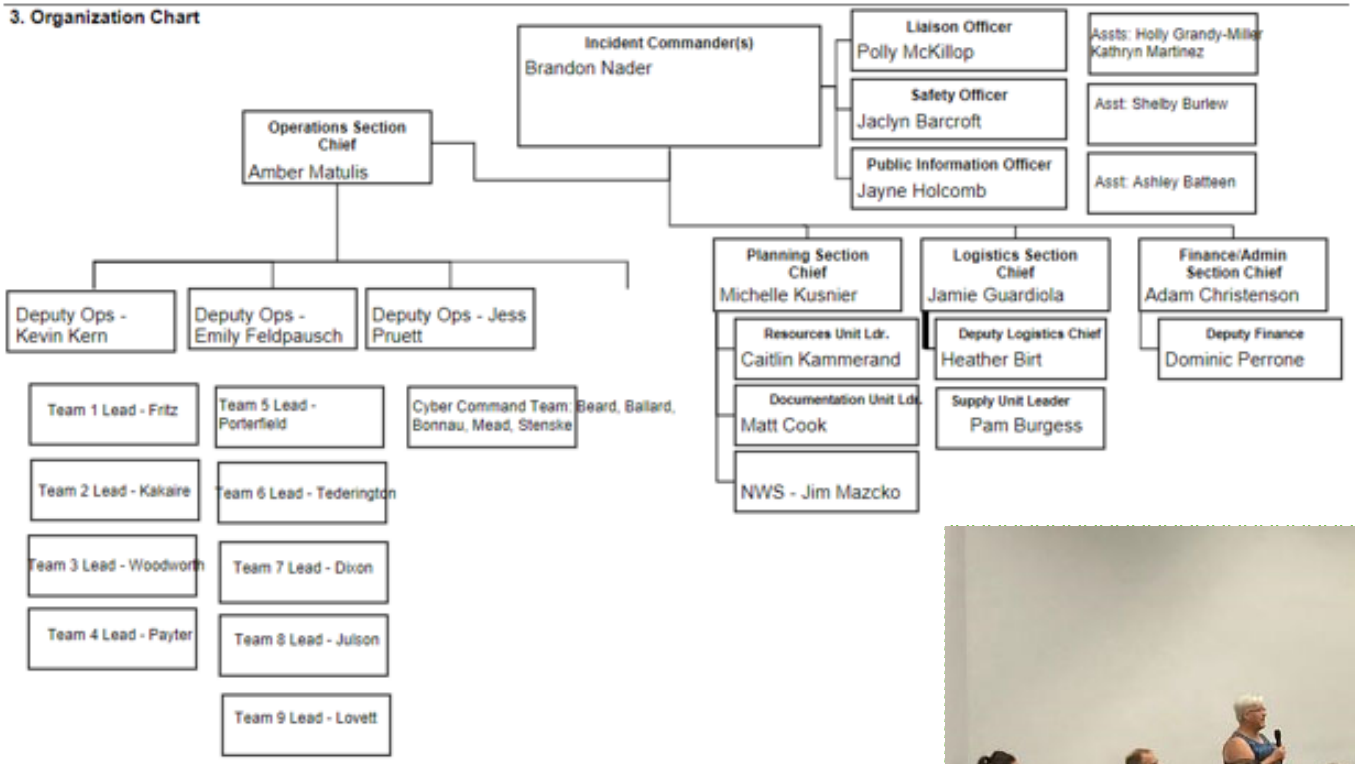
July 13, 2022 – Bay City, MI
Pet Food Sampling



Accomplishments:

- Continuation of work on 2018-2019 recall of pig ear dog treats contaminated with *Salmonella*
- Opportunity to highlight the importance of feed safety and its impact on animal and human health
- All samples negative for all three pathogens (*Salmonella, E. coli, Listeria*)

August 3, 2022 - Lansing
Multiple Sampling Activities



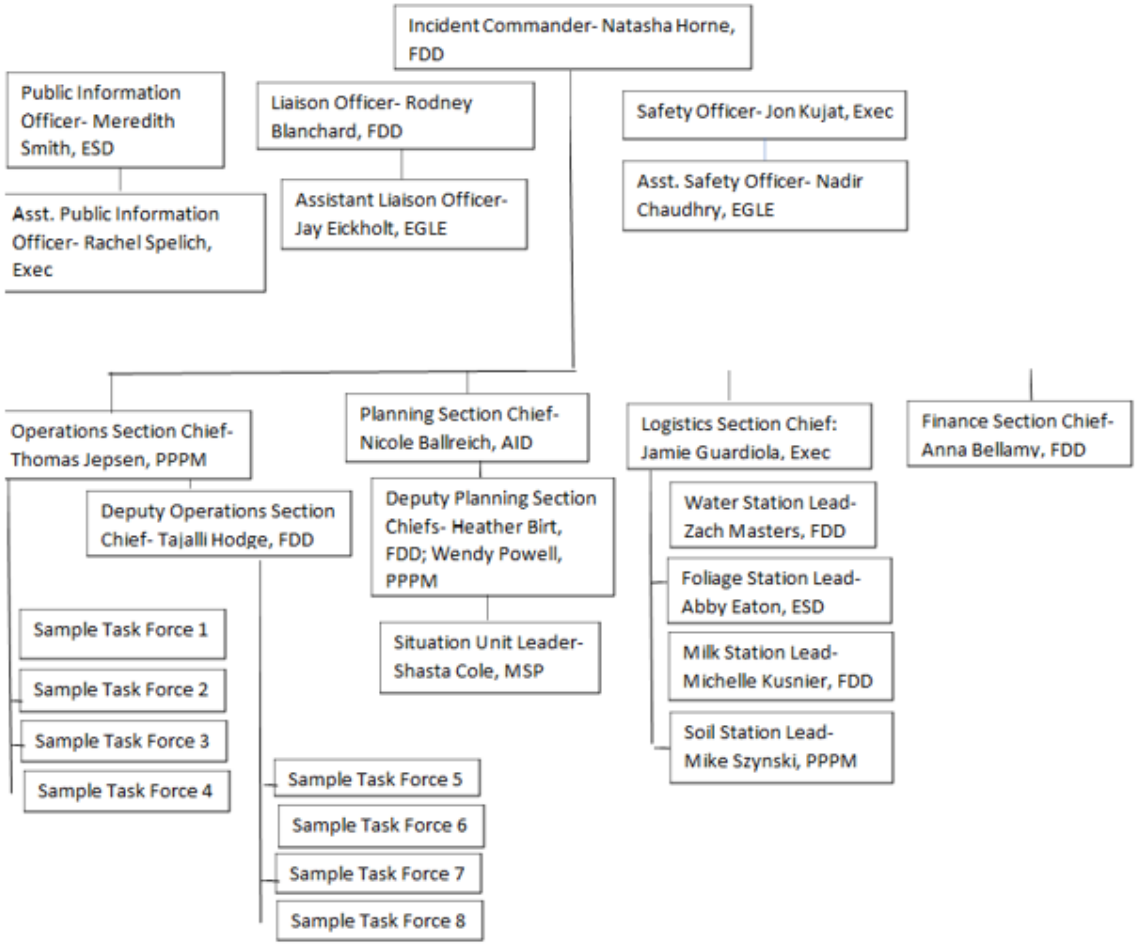
Accomplishments:

- One melon positive for *Salmonella Newport*
- Two disinfectant wipe samples below formulation levels on label
- Seven methomyl products shipped to Michigan in violation of requirements

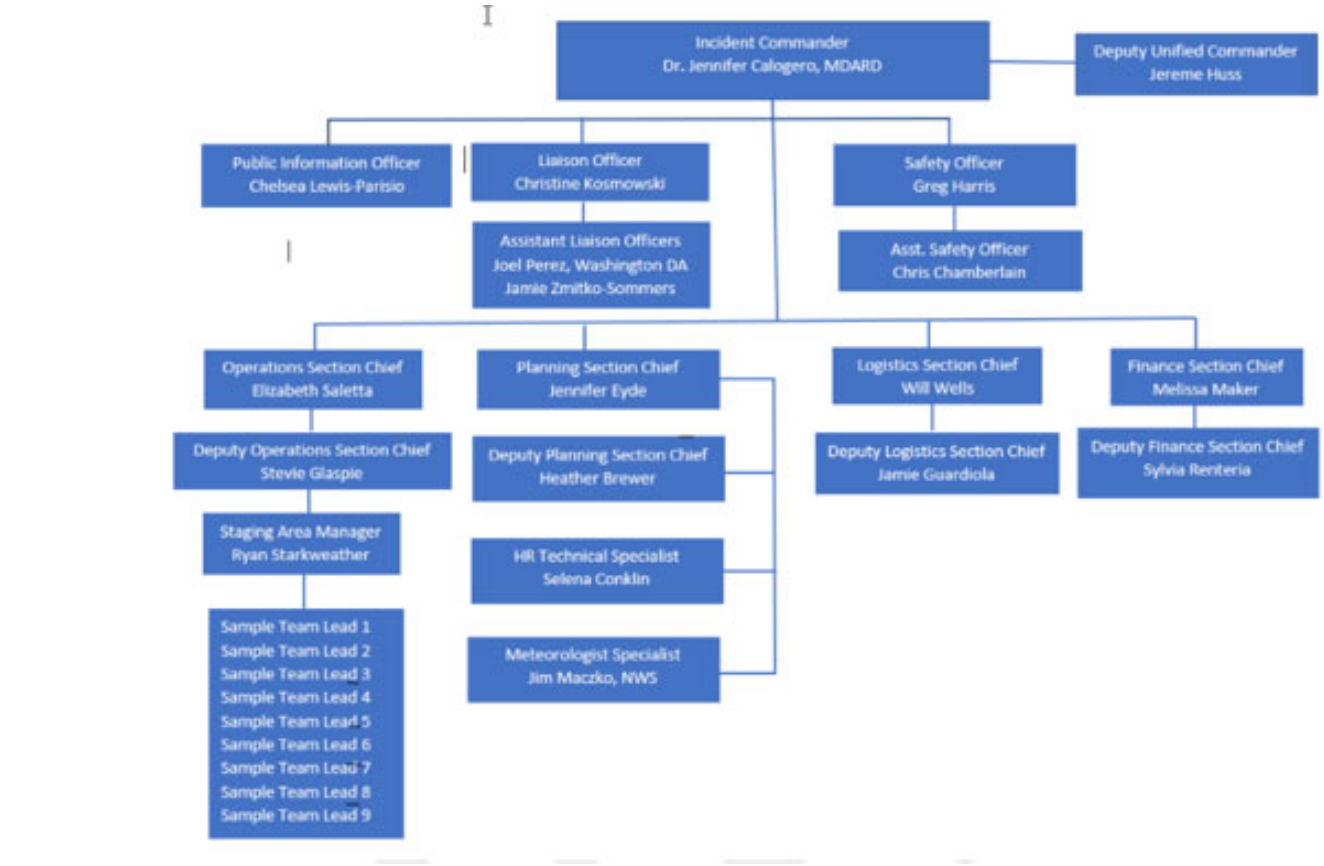
August 24, 2022 – Taylor, MI
Radiological Emergency Preparedness and Ingestion Pathway Sampling

Accomplishments:

- Second REP session since 2019
- Preparation and training for future ingestion pathway exercises
- Continuing to build capacity to exercise REP in the most realistic way possible
- Showcasing MDARD's new Mobile Milkhouse trailer



September 21, 2022 – Mason, MI
Avian Influenza Response



Accomplishments:

- Second avian influenza scenario in 2022; improvements made after the first session in Marshall
- Improved donning and doffing PPE demonstration
- More time is needed to meaningfully exercise all of the concepts
    - Focus on PPE and forms; other tasks will vary with the situation

STE 2022 Milestones

- ICS training applied by IMTs using the Planning P to make the Incident Action Plan for every session
- Tons of coaching, mentoring, learning – more people involved than ever
- Overall improvement in complexity, planning, execution from previous years
- Verbal Judo for MDARD was a huge hit!
- Participation from partner agencies across federal, state, and local government plus another state's RRT

STE 2022: Lessons Learned

- Staff want more ICS and IMT training
- Build and empower leaders and mentors to spread the message and share the work
- Local public health at every session multiplies positive outcomes for the Integrated Food Safety System

STE 2022 Toolkit – Part 1 Planning Team

- Goals & Objectives
- Budget Tracker
- Dates & Locations
- Planning & Execution Timeline
- Email Templates
- Attendance Tracker
- Agendas
- Exercise Evaluation Survey Questions
- 2022 STE Session IMT Orientation Slides

STE 2022 Toolkit – Part 2 IMT

- Incident Objectives
- Planning P
- Planning Cycle Guide w/ Agendas
- Incident Check-in & Name Tags
- Summary of Resources, Equipment & Supplies
- Fillable ICS Forms
- Example Participant Packet
- Demobilization Plan
- Hotwash Forms

STE 2022 Toolkit – Part 2 IMT, Continued

- ICS Acronyms
- Email Notification Templates
- Final Checklist for STE Session
- ICS 214 Log & Example
- ICS 215 Operational Planning Worksheet
- Resource Checkout Form
- Personnel Check-in / Check-out Sheets
- Name Tags
- Signs

STE 2022 Toolkit – Part 3 Examples & Resources

- Example IAPS – Plant Pest Surveys, Retail Sampling, Radiological Emergency Preparedness, Avian Influenza Response
- Just-in-Time Training Slides (upon request)
- Sampling Instructions
- Inspector Report on Sample – example
- Chain of Custody Form & Policy

Looking Ahead: 2023, 2024, 2025

- MDARD IMT Policy & Training Manual
- IMT Exercises in off years
- More ICS position specific training
- Develop leaders and spread the work around
- Regional exercises with local partners

Resources

- Sample Team Exercise Planning Toolkit
  - Pt 1 – Planning Team Resources
  - Pt 2 – Incident Management Team Resources
  - Pt 3 – Examples and Response-Specific Resources
- MDARD ICS Positions & Skillsets Overview
- After Action Reports:
  - STE 2019, STE 2022
  - MDARD 2020 COVID-19 Deployments
  - MDARD 2021 Vaccine Planning IMT
- MDARD EM Plans Manual
  - IMT Chapter

<u>To request, contact:</u>

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