

---

# ***Animal Disease Disaster Training @ the Local Level***

Dr. Patrick Webb

Director of Swine Health Programs



YOUR HOMELAND SECURITY TAX DOLLARS AT WORK

# ***Animal Disease Disaster Planning***

---

- Why is a plan important?

# ***Animal Disease Disaster Planning***

---

## ■ Animal Disease Disaster Plan

- Assigns responsibilities to agencies

## ■ Standard Operating Procedures

- State agencies developed individual procedures according to assigned responsibilities

# ***Animal Disease Disasters***

---

## ■ Key agencies in Iowa

- Iowa Department of Agriculture
  - » Lead state agency, operations
- Iowa Homeland Security and Emergency Management
  - » Communication pathways, resource location and allocation
- Iowa Department of Natural Resources
  - » Wildlife risk assessment, livestock disposal plan
- Iowa Department of Transportation
  - » Burial equipment, organizes private contractors, enforces movement restrictions
- Iowa Department of Public Safety
  - » Perimeter security, conflict resolution, perimeter decontamination
- Iowa Department of Public Health / Health and Human Services
  - » Health issues

# ***Animal Disease Disasters***

---

- A good plan allows for:
  - Rapid detection
  - Rapid containment and eradication
  - Rapid recovery
  - Integration
  - Scalability

# Animal Disease Disasters

- How does an incident start?
  - A suspect disease is reported to State Veterinary Officials



# Animal Disease Disasters



- Critical control steps for rapid detection:
  - Producer calls a veterinarian when animals are sick.
  - Veterinarian reports suspicious disease to the State Vet or Area Veterinarian In Charge (AVIC)

# Animal Disease Disasters

---

- State Veterinarian / AVIC
  - Task out a Foreign Animal Disease Diagnosticsian (FADD)
    - » Starts a Foreign Animal Disease / Emerging Animal Disease Investigation (FAD/EDI)



# Animal Disease Disasters

- The Diagnostician:
  - Starts with the herd vet
  - Visits with the producer
  - Takes a good history
  - Examines all the animals
  - Develops disease differentials
  - Take diagnostic samples



# Animal Disease Disasters

---

- The Diagnostician:
  - Aids in risk assessment
    - » Case is assigned a priority
      - Priority determines turn around time
  - Establishes quarantine / movement restrictions based on risk.
  - Establishes necessary biosecurity based on risk
  - Point of contact during the investigation for the producer and veterinarian



# ***Animal Disease Disasters***

---

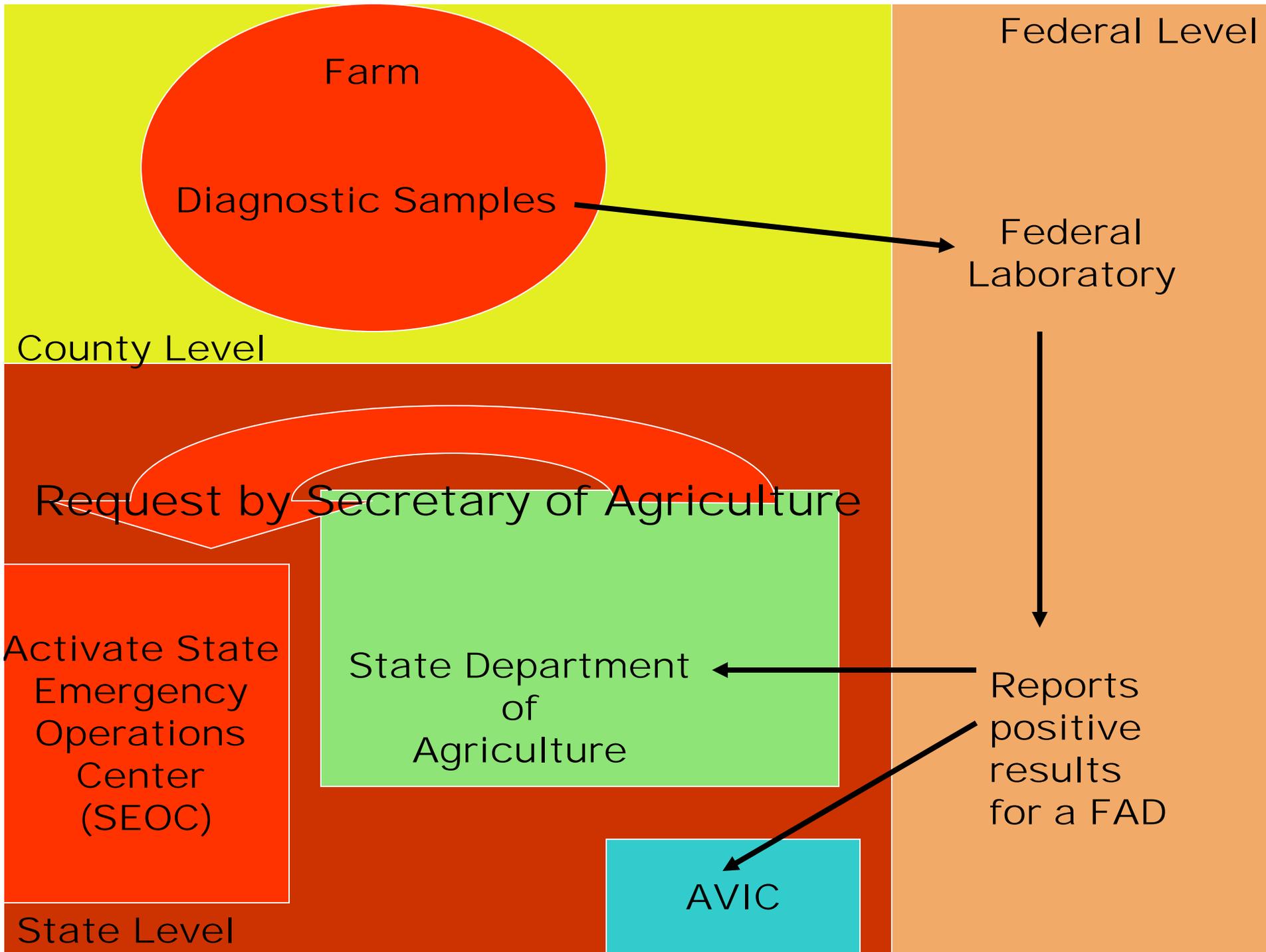
## ■ Important Points:

- Most FADD /EAD investigations are negative
  - » Hundreds done every year!
- Investigations are kept confidential
  - » However.....
- Producer support is essential!

# ***Animal Disease Disasters***

---

- Diagnostic samples are sent to the appropriate lab and we wait for results.
  - If the results are negative
    - » Incident is over
  - If the results are positive
    - » Incident continues
      - Response depends on disease



# How and Who Pays

---

## ■ Confirmed Case of FMD

### – State Vet (or equivalent)

#### » Notifies County Emergency Manager

- Who requests disaster declaration from State Homeland Security / Emergency Management who requests to the Governor for the County

- Brings more state money and resources

### – Secretary of Ag (or equivalent)

#### » Notifies the Governor

- Governor requests from USDA a Declaration of Disaster Emergency

- Brings federal money to pay for disease response operations

- Declaration of Extraordinary Disaster Emergency

- Governor requests Presidential Disaster Declaration

- Gets the Stafford Act going

# ***Animal Disease Disasters***

---

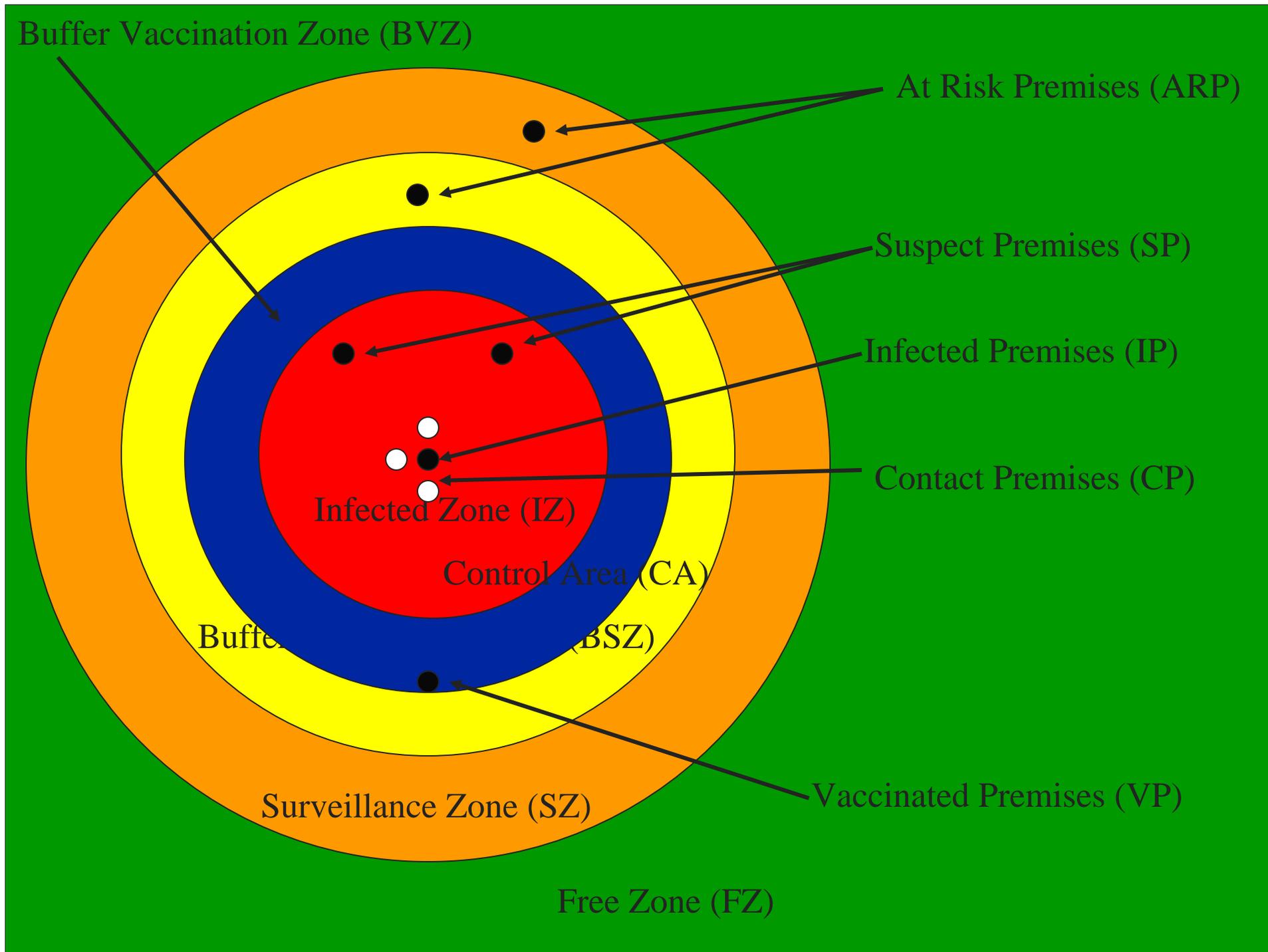
## ■ Response

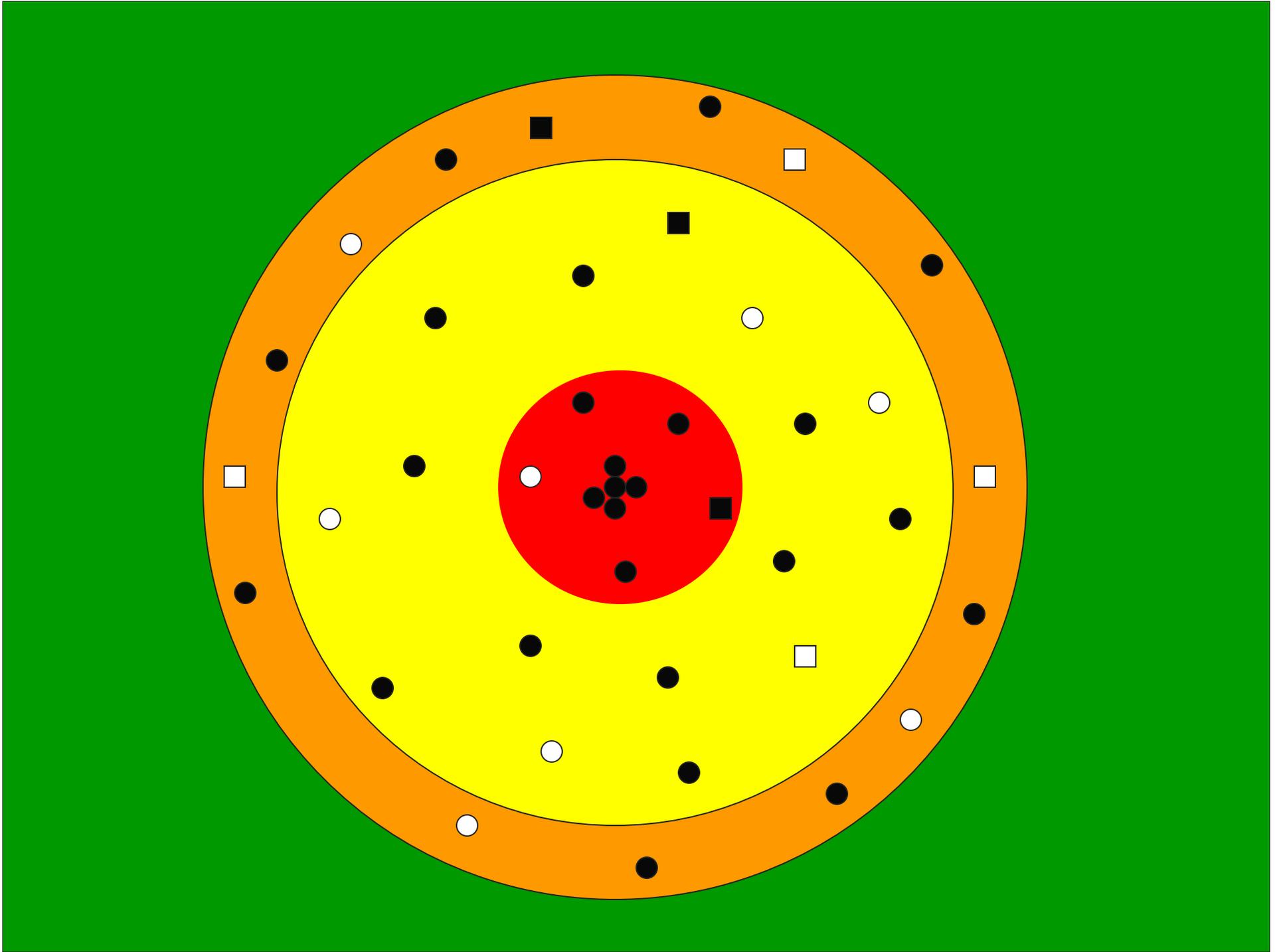
- Disease Detection
  - » Finding all cases as quickly as possible
- Disease Containment
  - » Quarantine
  - » Disease control measures
  - » Tracing
- Disease Eradication
  - » Surveillance (proof of freedom)

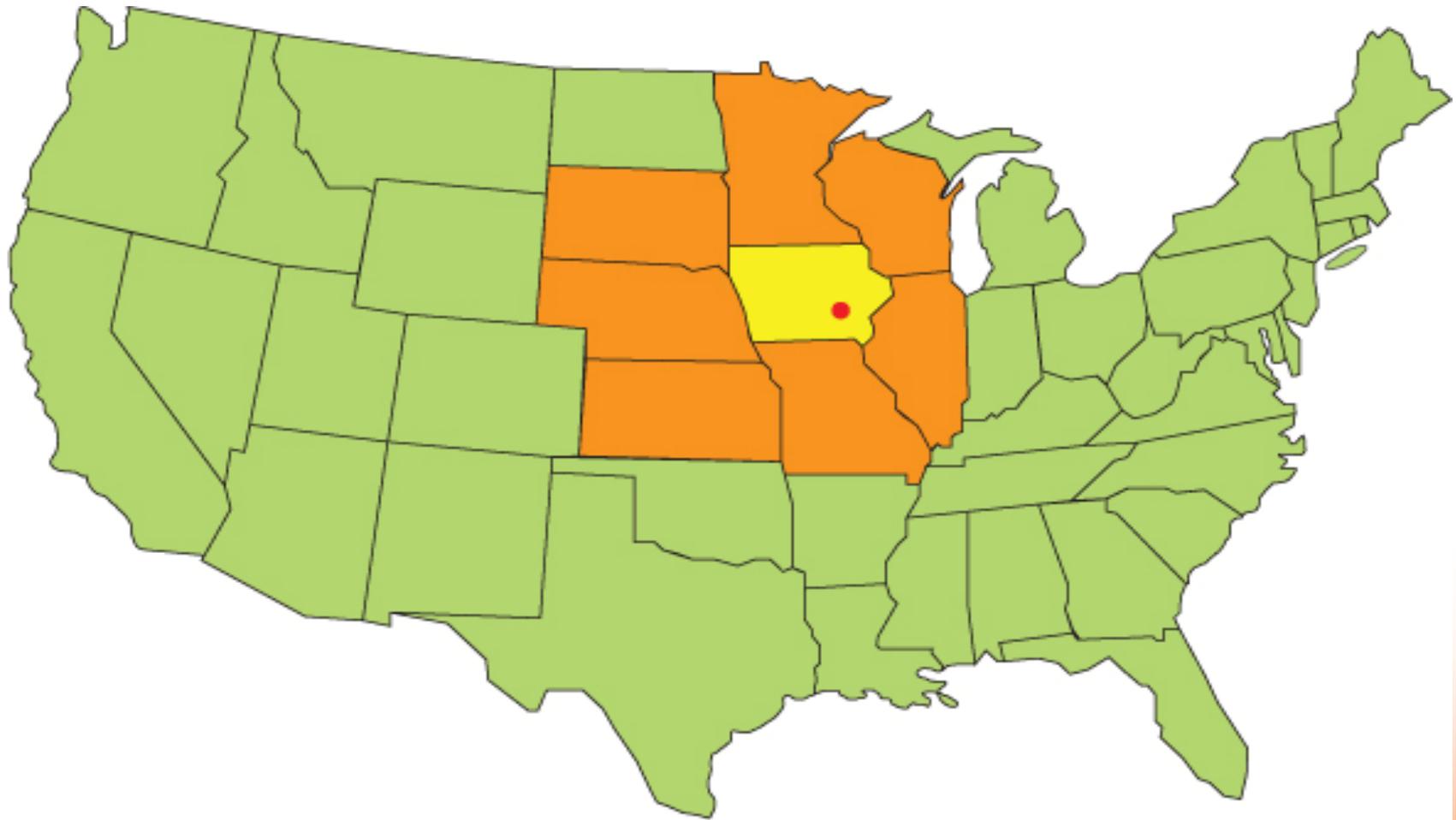
## ■ Recovery

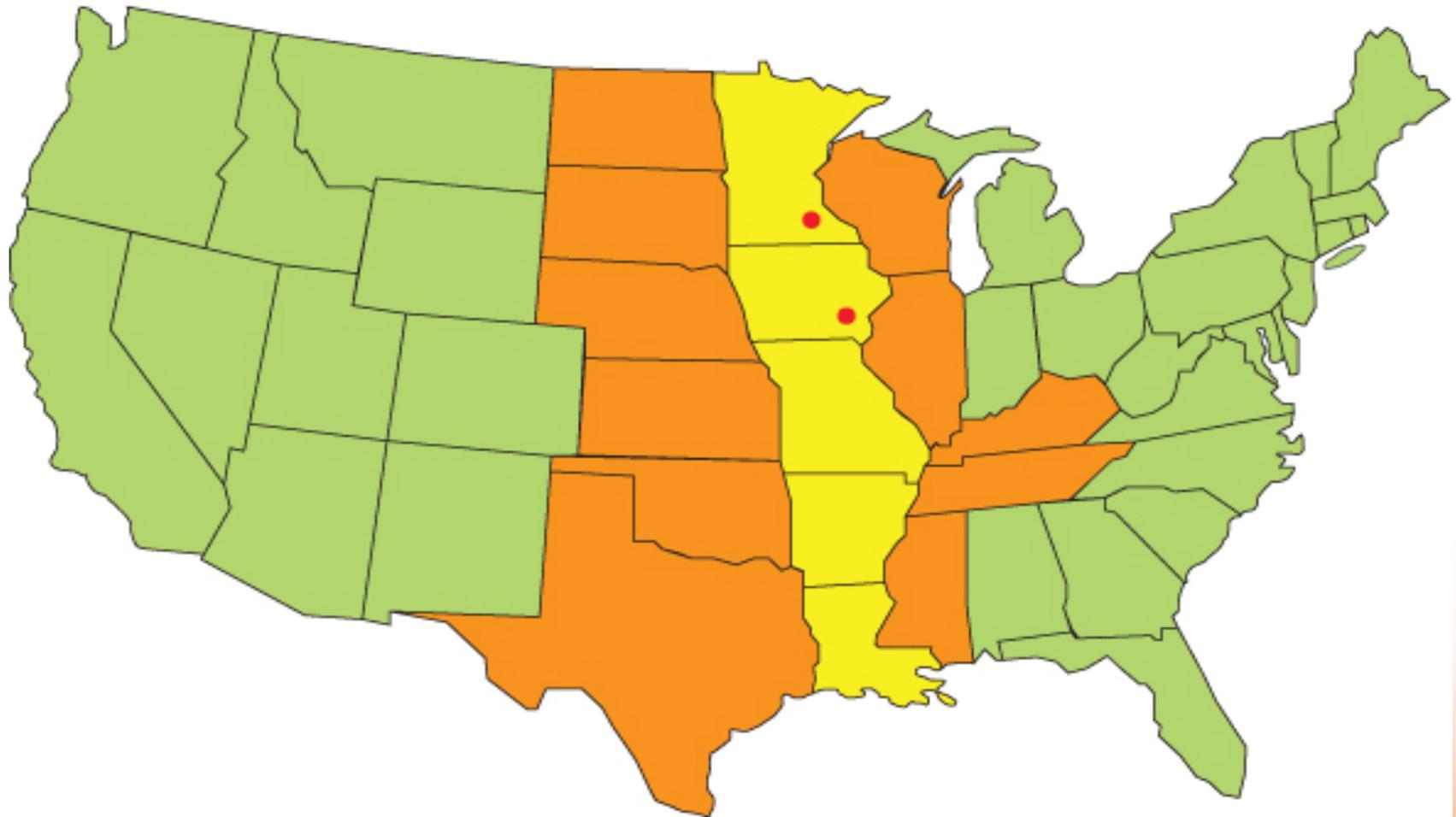
- » Regionalization and Compartmentalization

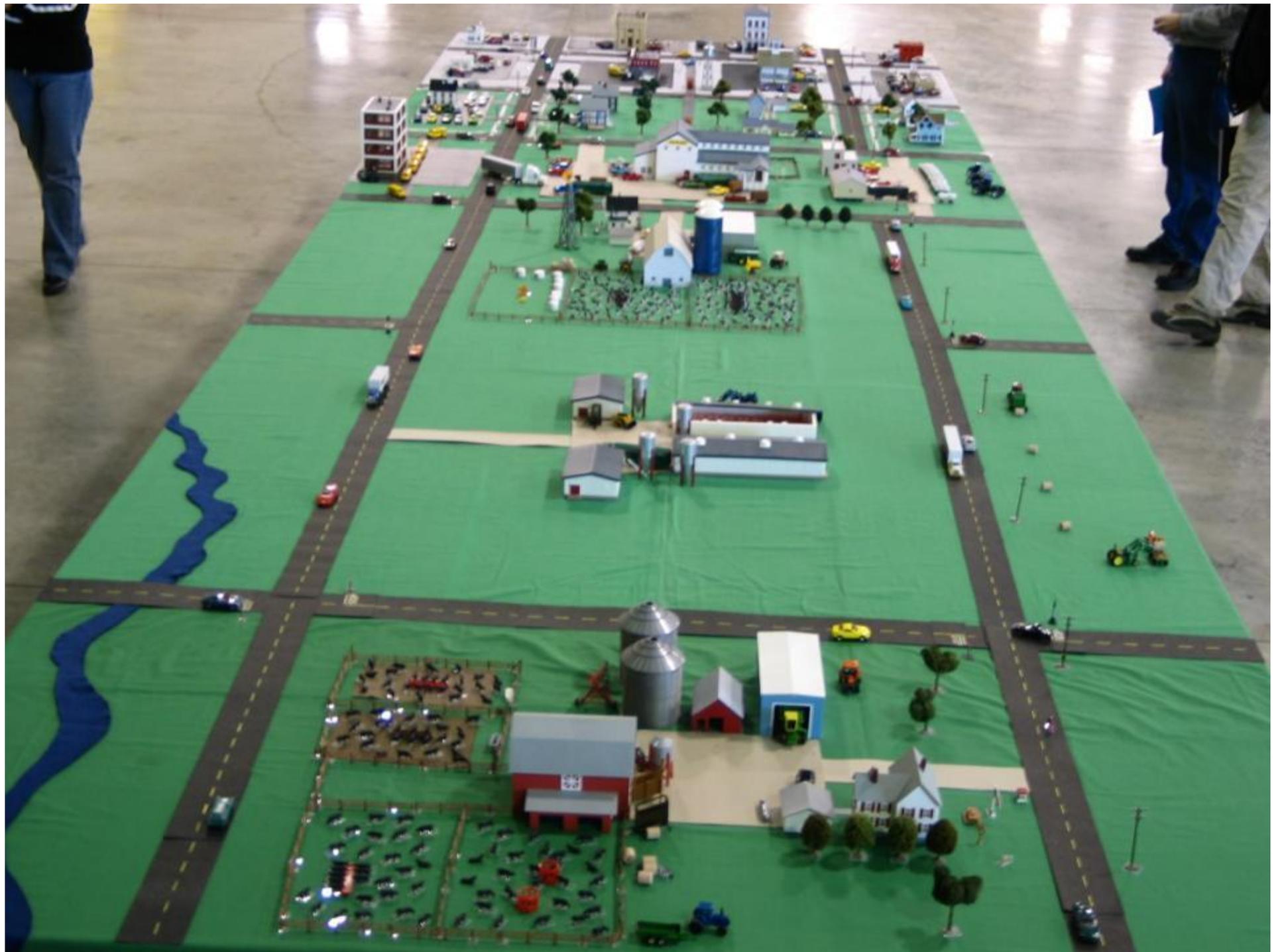
## ■ So how is that accomplished?











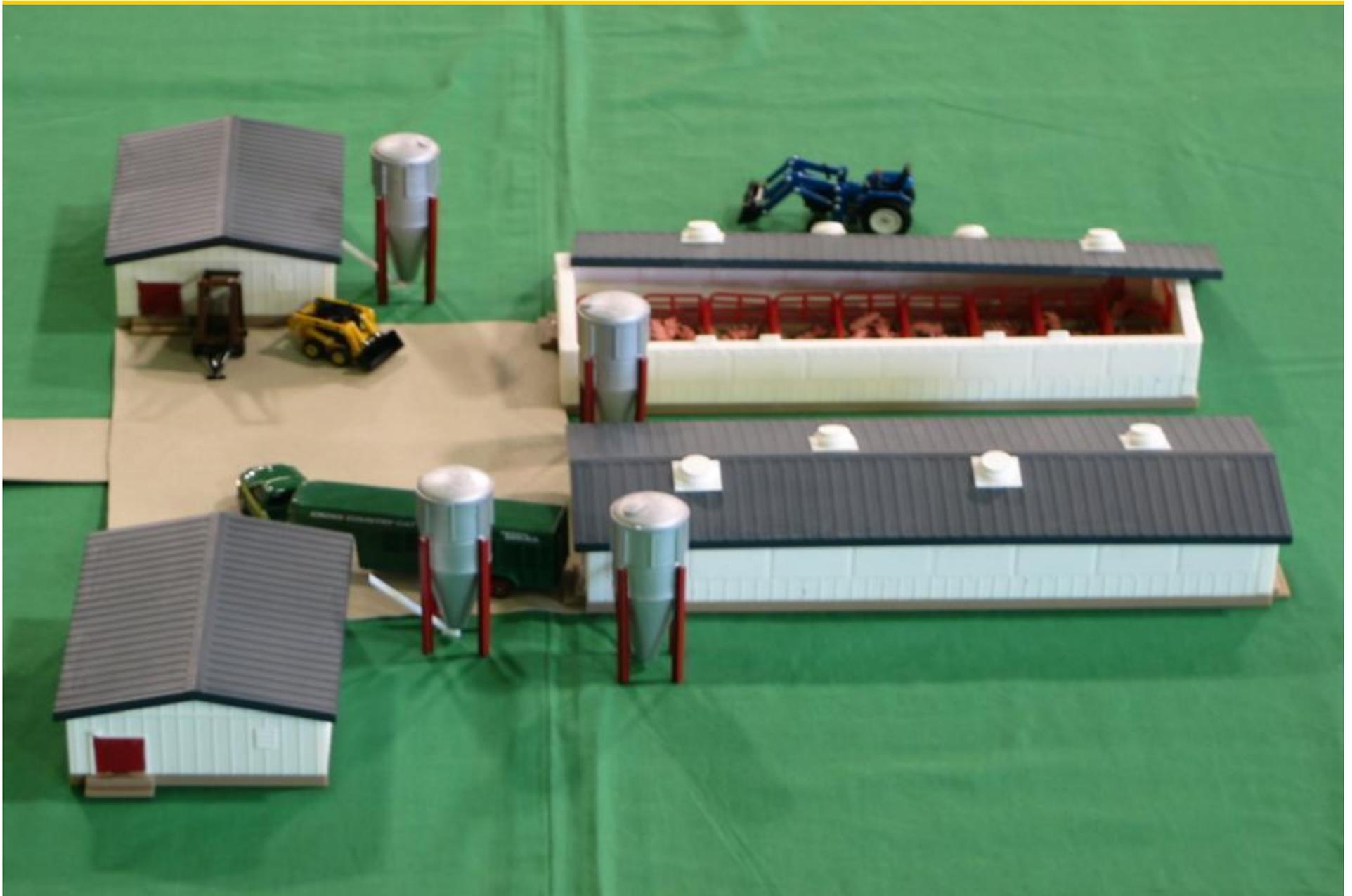


# Get Incident Command Started

---



# *Index Farm*



# *Setting Up the Farm*



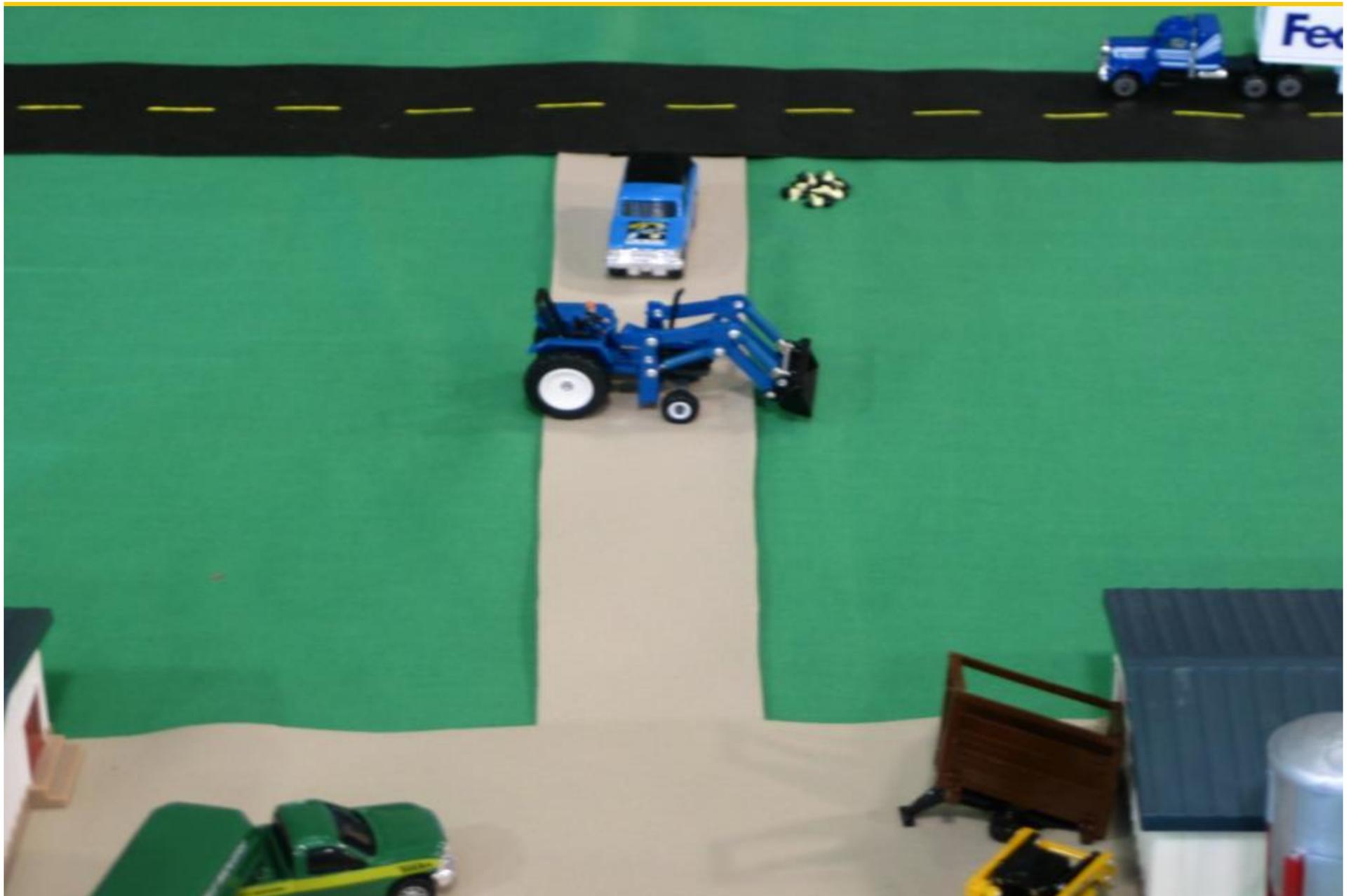
# *Setting Up the Farm*



# *Setting Up the Farm*



# *Setting Up the Farm*



# *Perimeters*



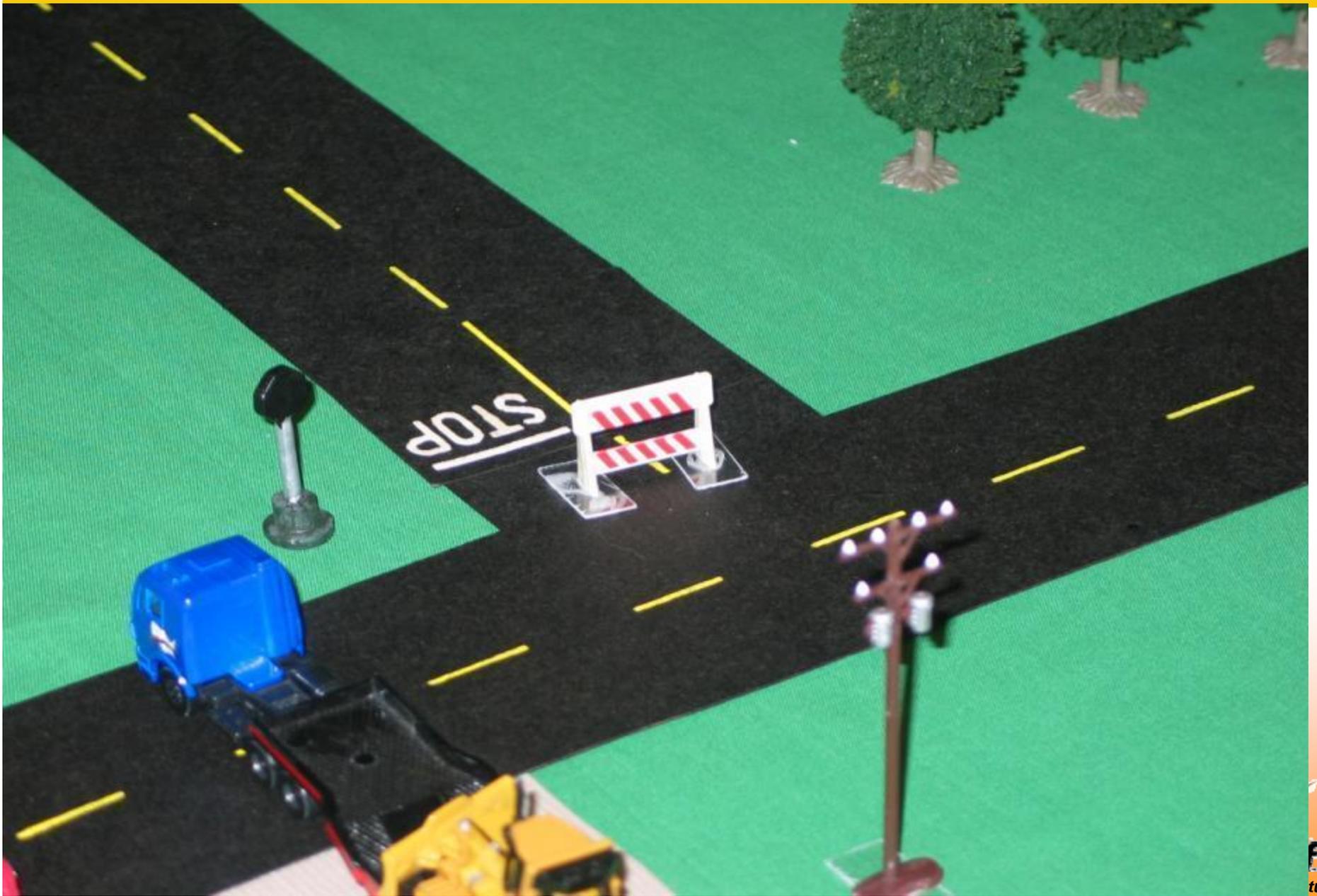
# ***Cleaning and disinfection***



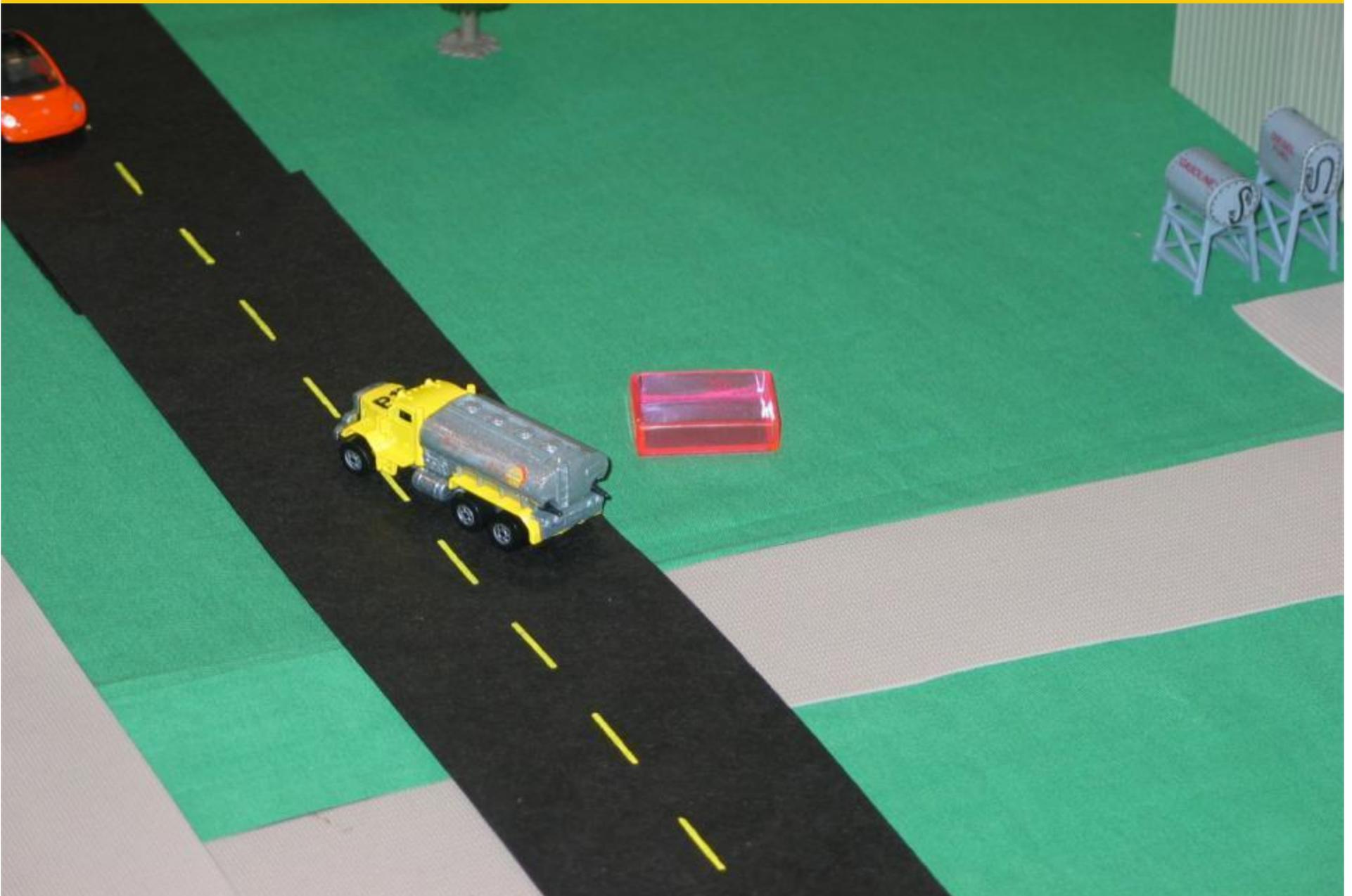
# Traffic control



# Traffic Control



# ***Coordinating C&D with Traffic Control***



# *Identifying Premises*



# *Identifying Premises*



# *Identifying Assets*



# *Disposal Sites*



# *Heavy Equipment*



# *Heavy Equipment*



# ***Euthanasia***

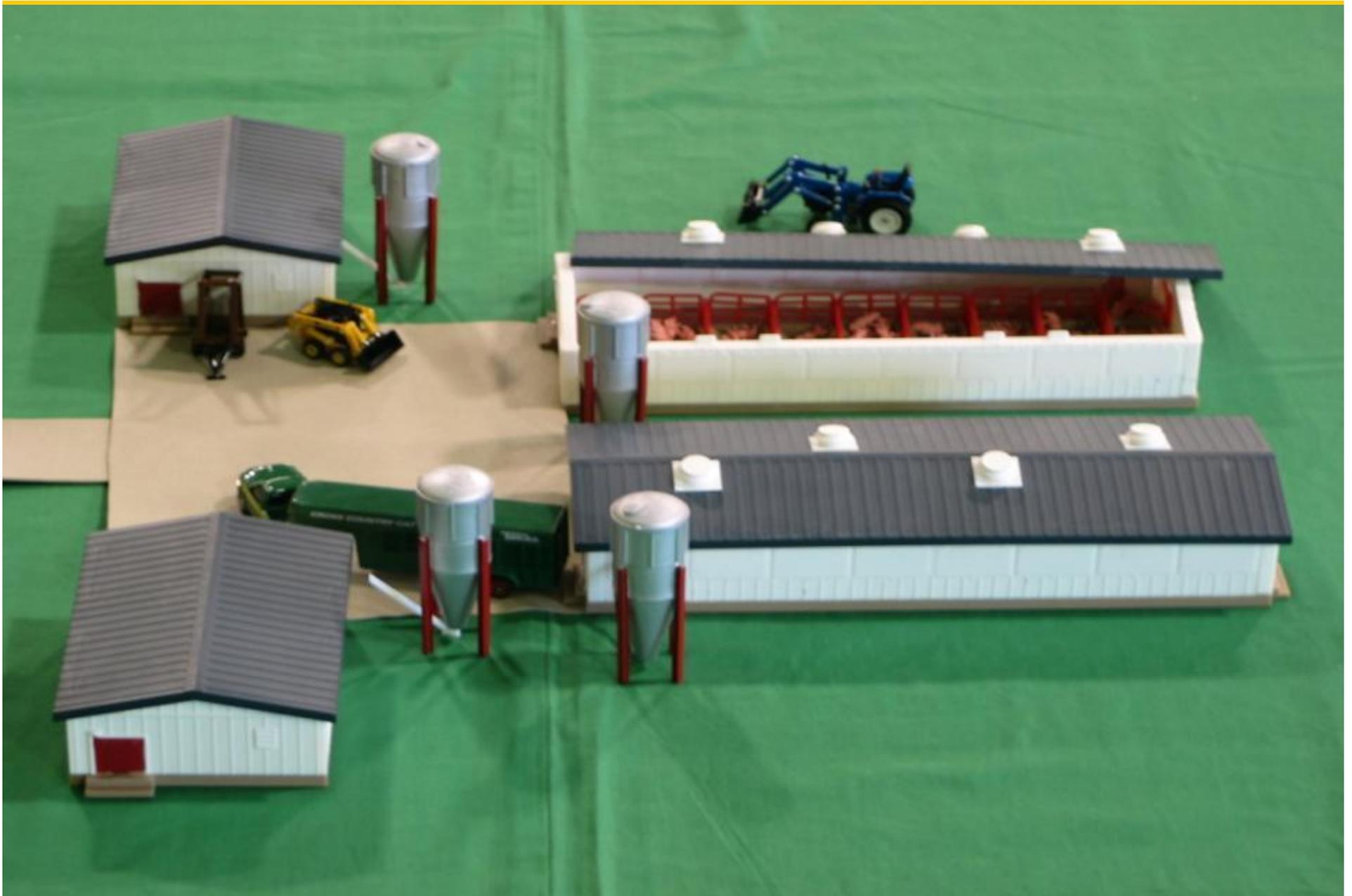


# Euthanasia

---



# *Euthanasia*



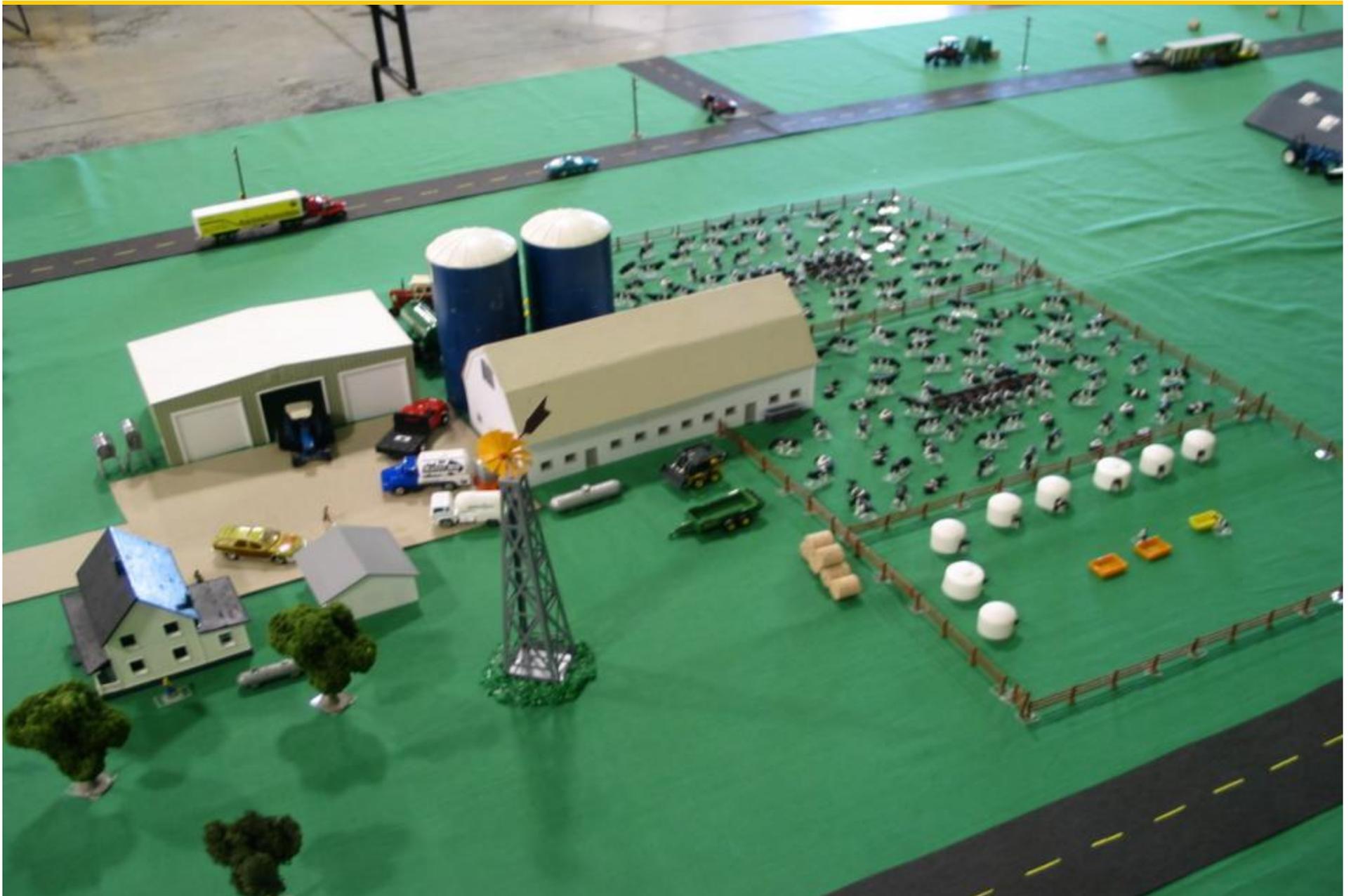
# *Euthanasia*



# *Euthanasia*



# *Euthanasia*



# *Euthanasia*



# *What about Milk?*



***How about knifing it in?***



# *Disposal*



# *Disposal*



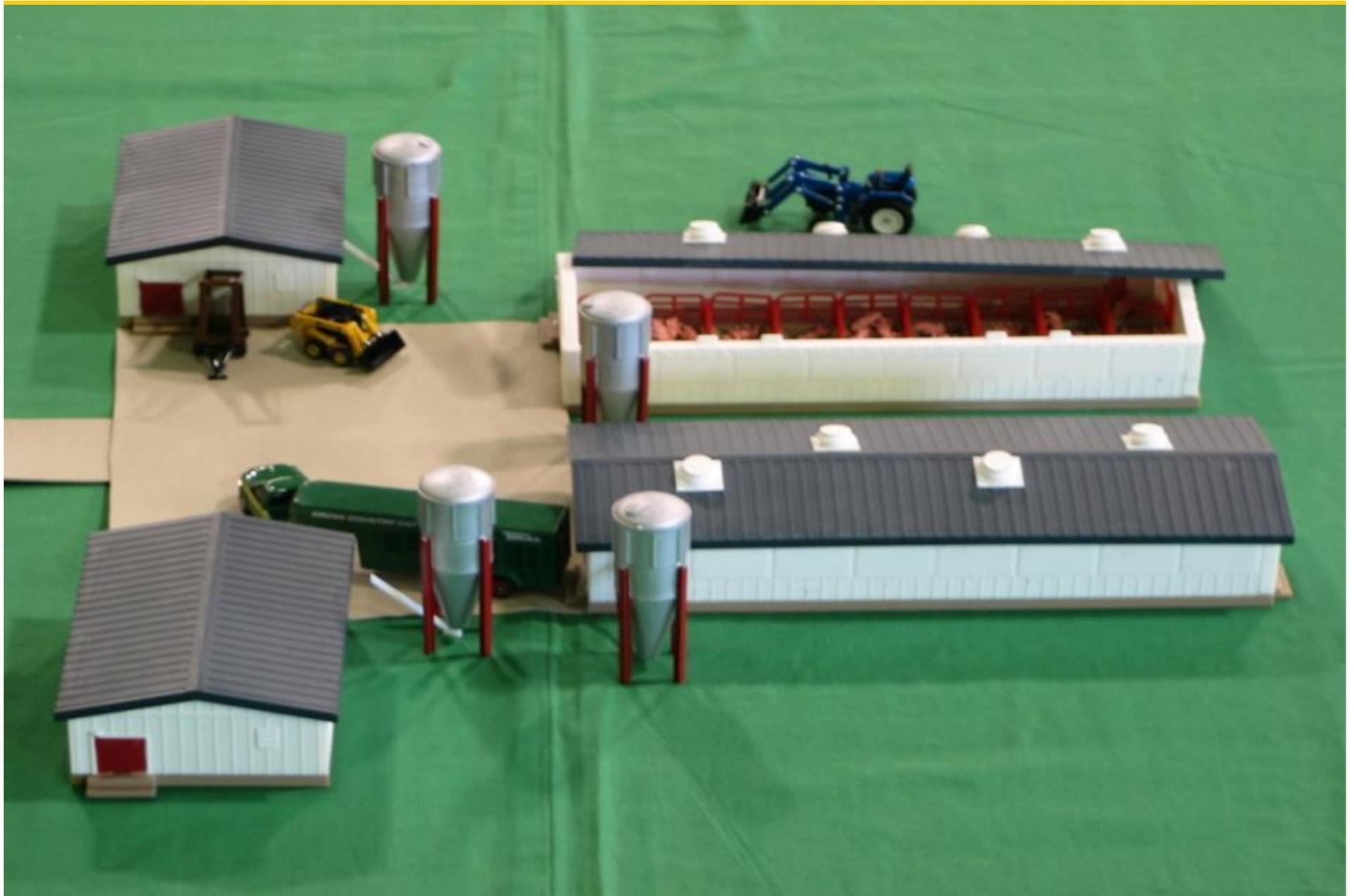
# *C & D and Downtime*



# ***Critical Incident Stress***



***Why? Because Farmers go from this..***



***To this***



***They see this....***



***And this.....***



# *Responders see this..*

---



# *Constant reminders.....*

---



# ***Critical Incident Stress***

---



---

***Thanks for your time!***

Dr. Patrick Webb  
Director, Swine Health Programs

[pwebb@pork.org](mailto:pwebb@pork.org)

515-223-3441