



### HPAI FIELD DECONTAMINATION AND DEPOPULATION ISSUES

LORI P. MILLER, PE SENIOR STAFF OFFICER/ENVIRONMENTAL ENGINEER U.S. DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE VETERINARY SERVICES FEBRUARY, 2017

INFECTED FLOCKS WERE DEPOPULATED, THE WASTE DISPOSED, AND THE BARN DECONTAMINATED



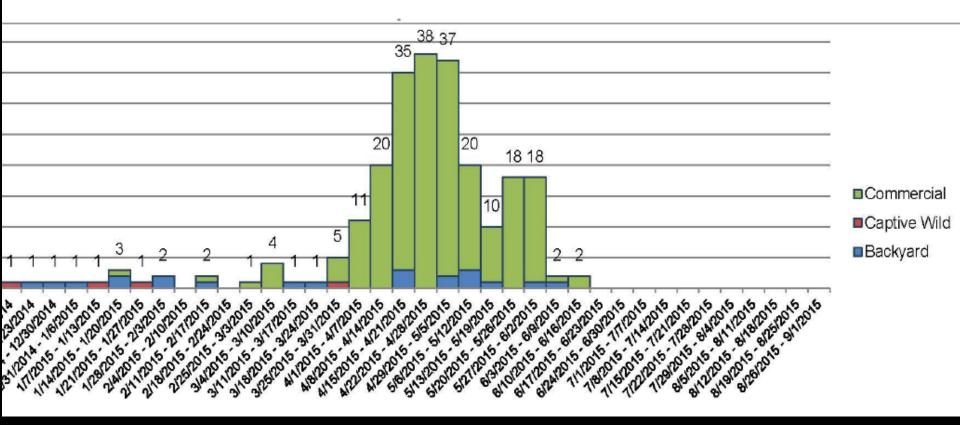
### CONTRACTORS WERE MOBILIZED TO HELP WITH THE RESPONSE

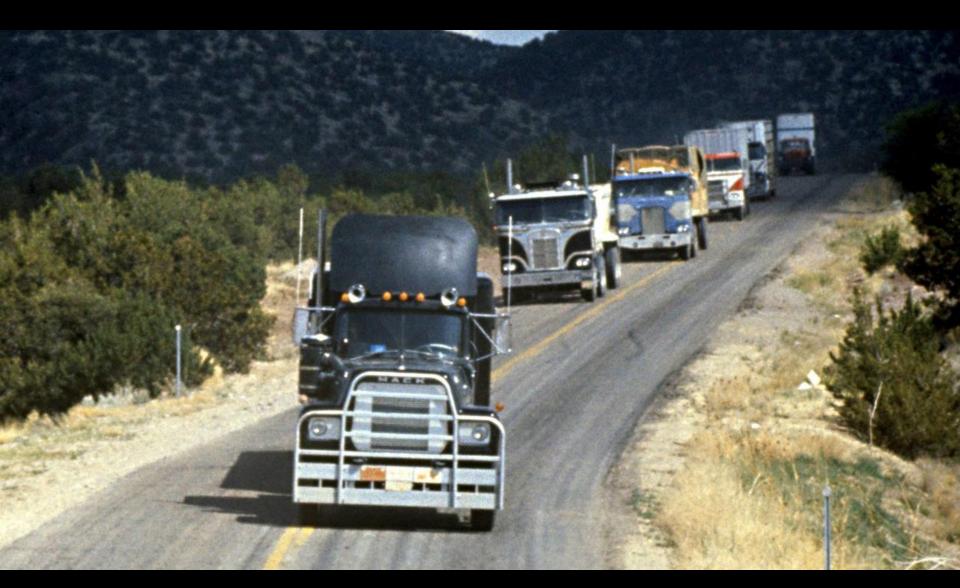
WE ALSO NEEDED EQUIPMENT, WATER, AND FOAM CONCENTRATE, AS WELL AS FUEL TO RUN THE FOAMERS



"No one has ever trained for an incident like that. No one."

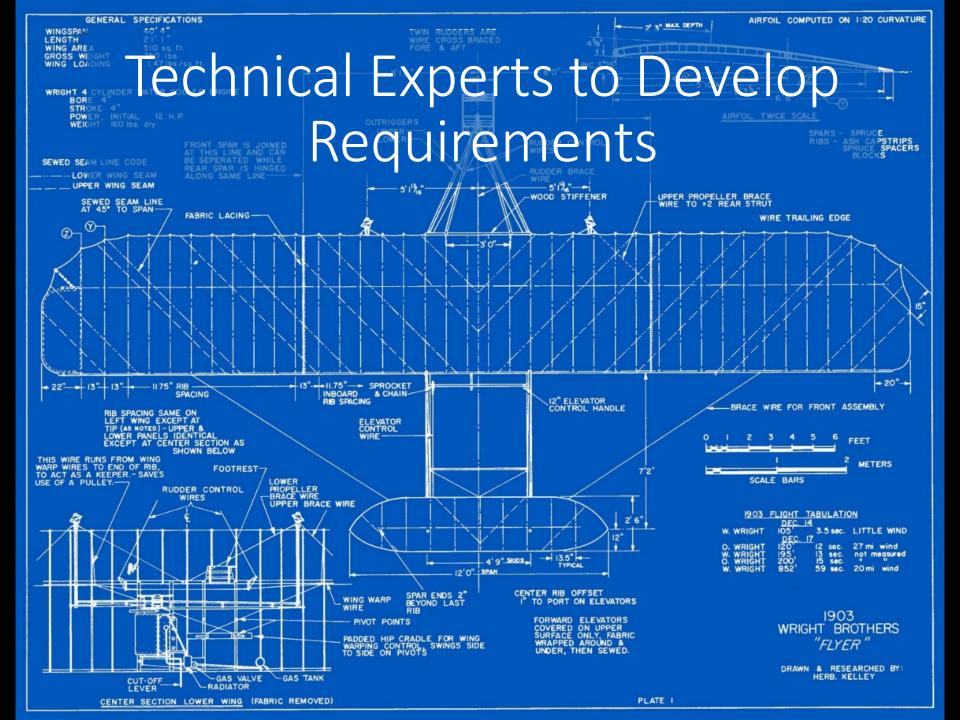
### Total Incidence of HPAI in the United States by Week





### UNAFFECTED STATES SENT RESOURCES

#### THOUSANDS OF FEDERAL, STATE, AND LOCAL GOVERNMENT OFFICIALS, CONTRACTORS, AND PRIVATE INDIVIDUALS PARTICIPATED IN THE RESPONSE



Contracting Officers to Award Contracts

Contract

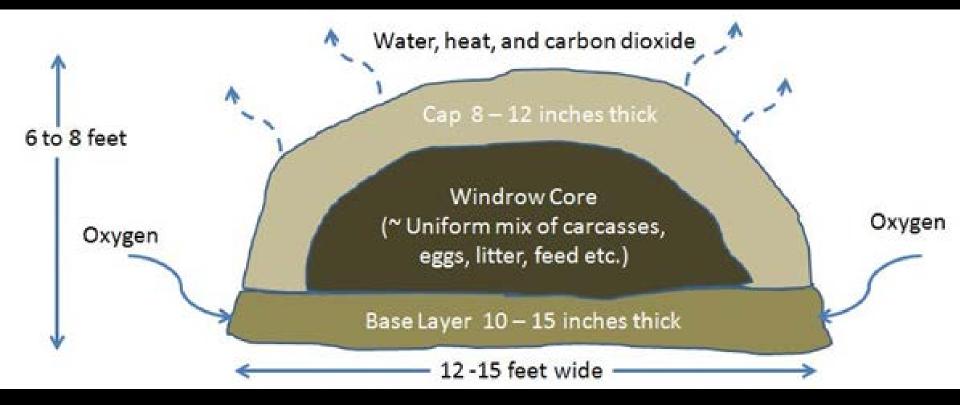
# HR Staff to Hire New People



## Instructors to Train New Hires

# INCIDENT MANAGEMENT TEAMS

### EXAMPLE: Composting



### 18 inches

### Layers of litter and mortalities

Insert probe 3/4 way up the pile \_\_\_\_\_ height.

### 36 inches

High carbon base and cap

6' to 7'

No more than 12 feet wide

### BEGAN WITH 5 EXPERTS DEPLOYED ONE AT A TIME, EXPANDED TO 15-20 EXPERTS SINGLY OR IN PAIRS AT UP TO 5 LOCATIONS SIMULTANEOUSLY



# IMPROVEMENTS





#### Lori P. Miller, PE

Sr. Staff Officer/Environmental Engineer U.S. Department of Agriculture Animal and Plant Health Inspection Service Veterinary Services 301-851-3512 Lori.p.miller@aphis.usda.gov