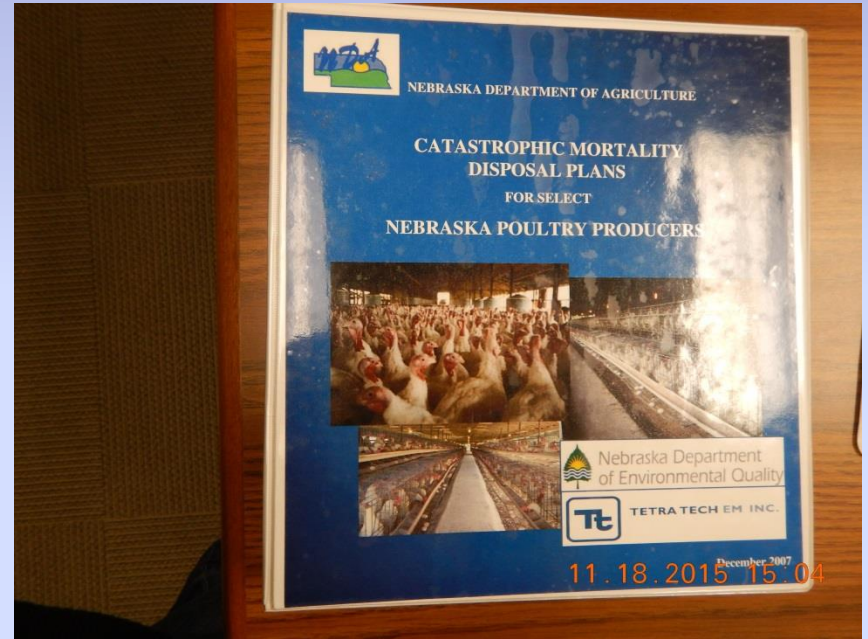
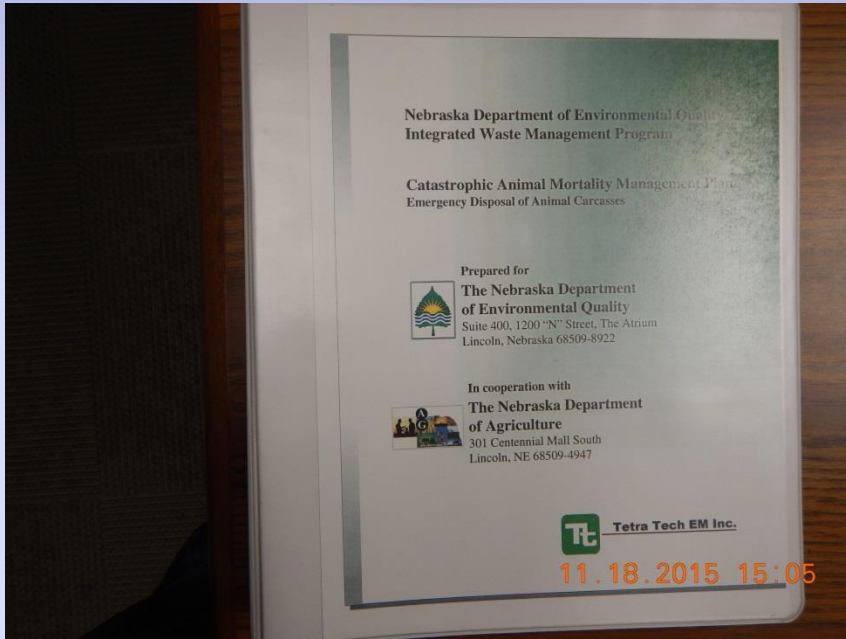


# Catastrophic Animal Mortality

David B. Haldeman

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# Early Pre-Planning



# Catastrophic Animal Mortality Management Plan Content

- Disposal Options
- Diseases (Exotic Newcastle, Anthrax, Hog Cholera, Foot and Mouth, High Pathological Avian Influenza, Rinderpest, Bovine Spongiform Encephalopathy)
- Suspect Counties Map
- Registered Landfill Location Map
- Rendering Facility Location Map
- Emergency Land Disposal Unit Designs (Trench Design, Area Pit Design-Guidance Included)
- GIS Package
- Disposal Options Checklist

# Disposal Options

- On-Site Burial
- Off-Site (Permitted Landfill)
- Incineration (Air Curtain Incineration)
- Rendering
- Composting

On May 11, 2015 High Pathological Avian Influenza H5N2 broke in Dixon County Nebraska. The general control objects of the response were to “Conduct Avian Influenza abatement operations in the safest, efficient, humane manner possible while making every effort to contain the virus to impacted sites.” In response, 4.8 million birds were euthanized and composted on-site to eradicate the virus.

## **EXAMPLE: CATASTROPHIC ANIMAL MORTALITY SCENARIO**

# Summer 2014



# Spring 2015



07.07.2015 09:39

## Avian Influenza N.E. Nebraska 2015

### Incident Action Plan

May 14, 2015

0700-1730



### Incident Commander

Tom Jensen

# Loading





# Staging and Mixing Area



# Off-Loading



# Mixing



# Mixing



# Compost Row Preparation



# Addition of Mixed Materials



# Row Progression and Completion



# Temperature Monitoring





# Turning





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# NDEQ Concern: Protection of the Environment

- Disposal of Carcasses
- Disposal of Personal Protection Equipment and other waste materials generated on-site
- Wastewater Management
- Storm Water Management
- Burn Permits

Questions?