



Canadian Food
Inspection Agency

Agence canadienne
d'inspection des aliments

Canadian Food Inspection Agency



Our vision:

To excel as a science-based regulator, trusted and respected by Canadians and the international community.

Our mission:

Dedicated to safeguarding food, animals and plants, which enhances the health and well-being of Canada's people, environment and economy.

Canadian Avian Influenza Response Issues

***Elizabeth Rohonczy DVM, RBP
National Operations Coordination***

Canada

Emergency Response

Roles and Responsibilities

In a *mandated emergency*, the CFIA is legislated to take the lead role in responding to food safety, animal health and plant health emergencies or any other emergency that falls within its mandate.

In a *non-mandated emergency*, the CFIA provides support to the provinces and other federal departments in responding to natural disasters (e.g., severe storm, tornado or flood) or other public welfare emergencies.

Emergency Management in CFIA

P
R
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S

CFIA Emergency Response Plan

Describes the roles and responsibilities, operational framework and response process in an emergency

Functional Plans

Examples:
Animal Health Functional Plan
Plant Pest Emergency Response
Food Safety Emergency Response

Hazard Specific Plans

Examples:
FMD Control Strategy
ALHB Eradication Plan
Notifiable Avian Influenza



Working Groups

- Formed from personnel who had an interest and some experience in disease control
- These groups parallel the activities that would be expected during a foreign animal disease response.
- The groups have been tasked with identifying and prioritizing what procedures need to be developed or fleshed out regarding the subject matter of their working groups. The procedures that have or will be developed are not necessarily restricted to FAD's.
- In addition to developing these procedures, the groups serve to develop technical specialists to assist in and to guide disease response.



Disease Control Working Groups

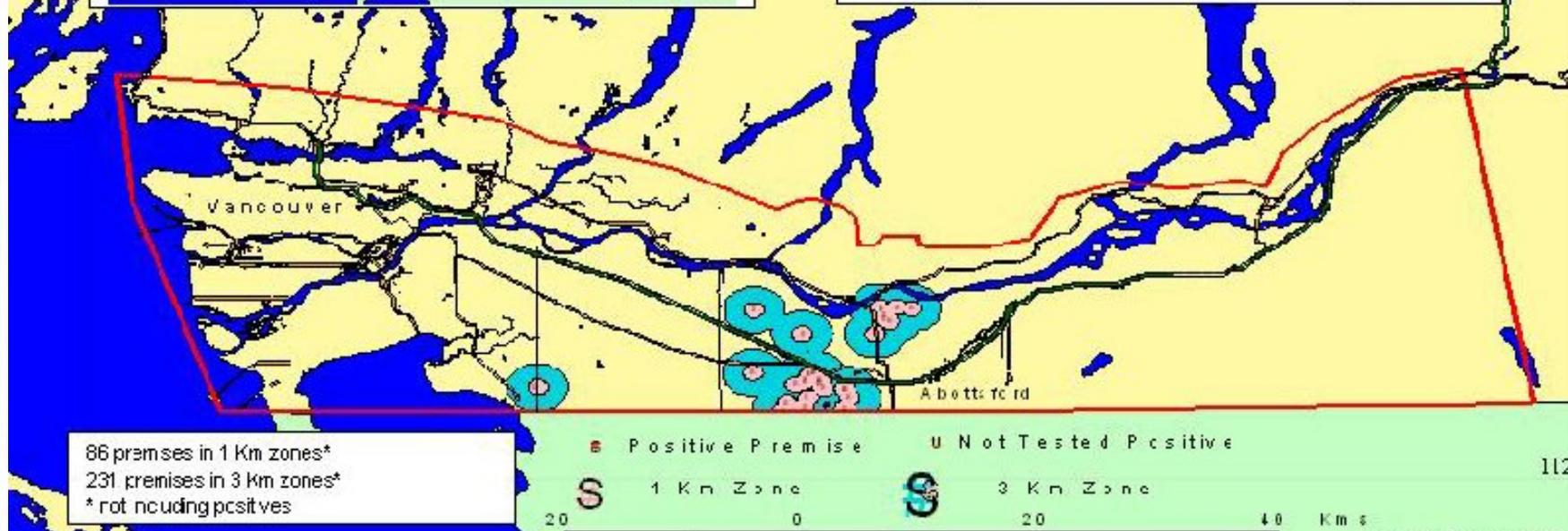
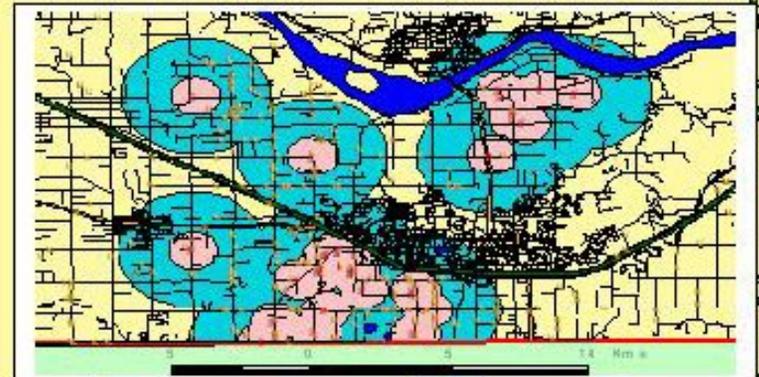
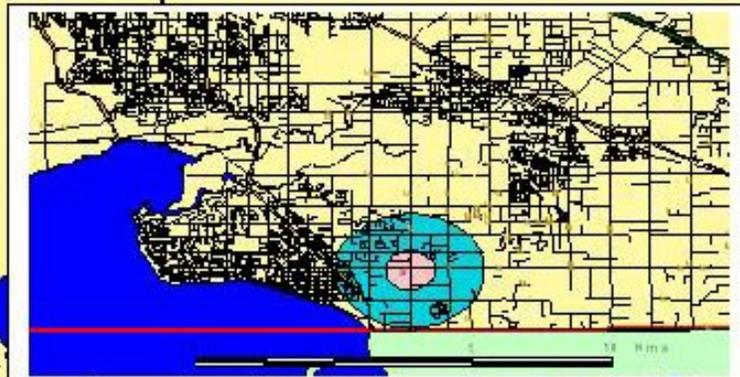
- **Field Biocontainment**
- **Cleaning and Disinfection**
- **Disposal**
- **Evaluation and Compensation**
- **Field Epidemiology**
- **Humane Destruction**
- **Animal Health Informatics Systems**
- **Permits and Movement Controls**
- **Surveillance and Diagnostics**
- **Vaccination**



2004 H7N3 Outbreak



Positive Premises with 1 & 3 km



86 premises in 1 Km zones*
 231 premises in 3 Km zones*
 * not including positives

■ Positive Premise U Not Tested Positive
S 1 Km Zone S 3 Km Zone

| Item | CPIC | CDC | WHO |
|-------------------|---|--|---|
| Gloves | Impervious nitrile, PVC rubber, hospital | Nitrile, vinyl or heavy rubber work gloves | Heavy rubber work gloves |
| Clothing | Impervious coveralls | Disposable outer coveralls, impervious apron or gown | Coveralls with impermeable apron or gown |
| Footwear | Disposable shoe covers or polyurethane boots | Disposable shoe covers or polyurethane or rubber boots | Rubber or polyurethane boots |
| Respirator | Disposable N-95 or better | Disposable particulate respirator (N95, N99, N100) **** | N95 preferred |
| Other | Head cover/Goggles | Goggles | Goggles |



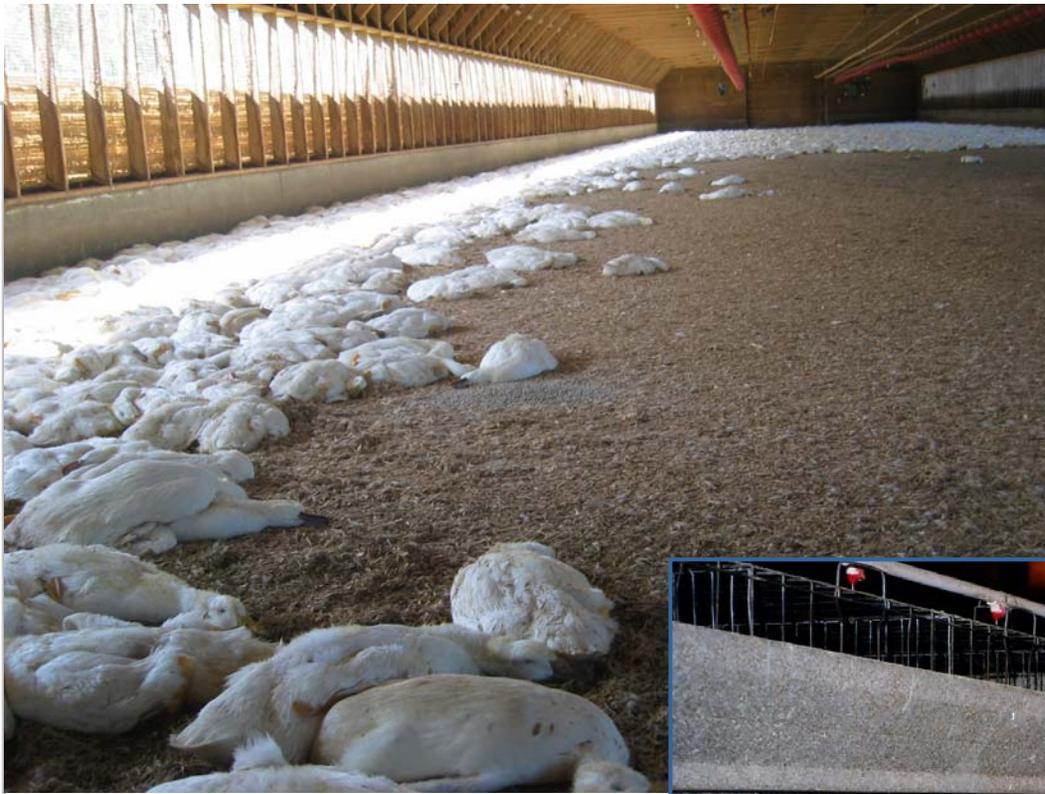
Individual OSH and Biosecurity

- 2 cases mild flu
 - Conjunctivitis
 - rhinitis



- Human Influenza vaccine
- Tamiflu (antiviral prophylaxis)
- Personal Protective equipment





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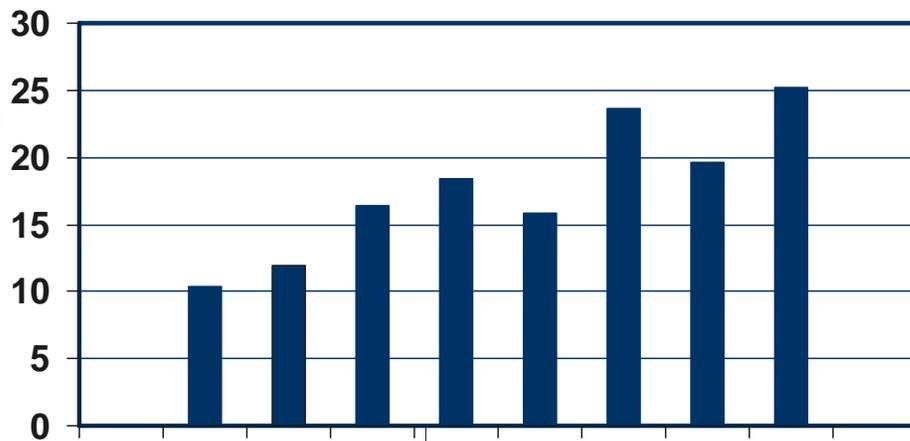
Working Conditions



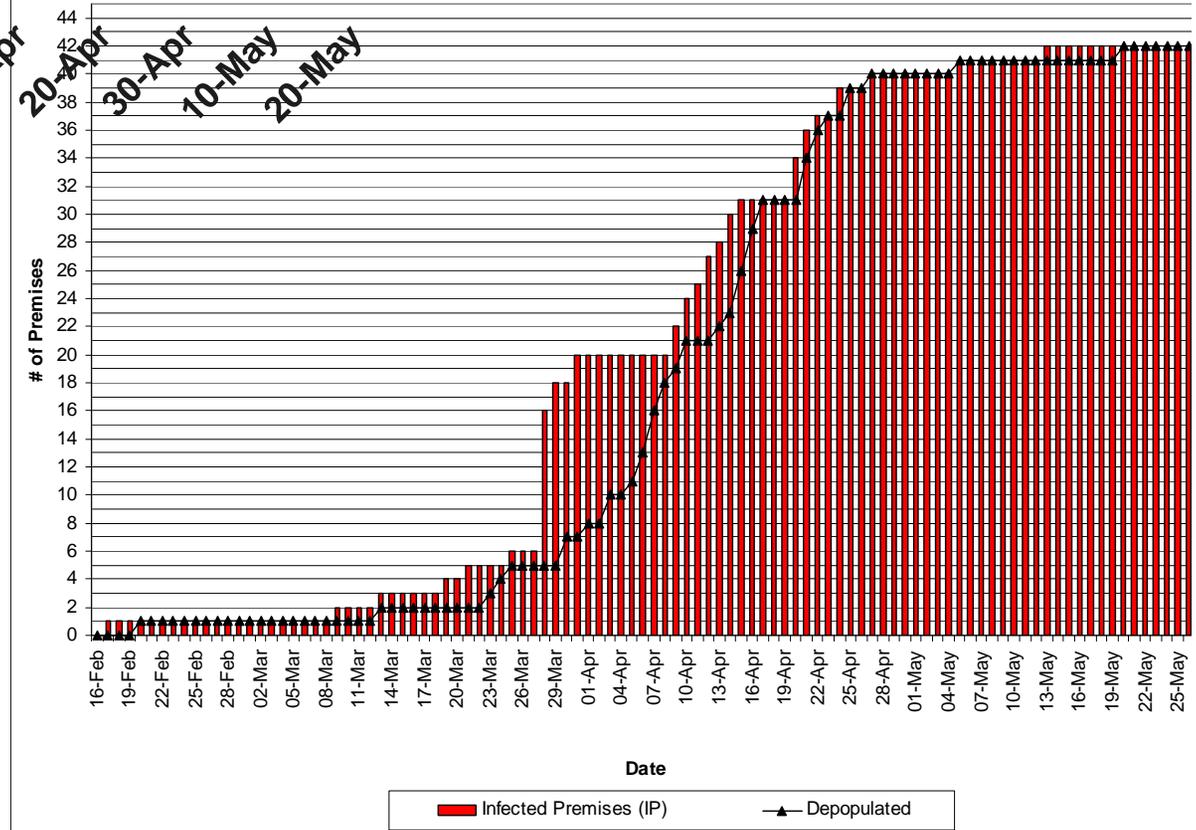
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EPI Chart

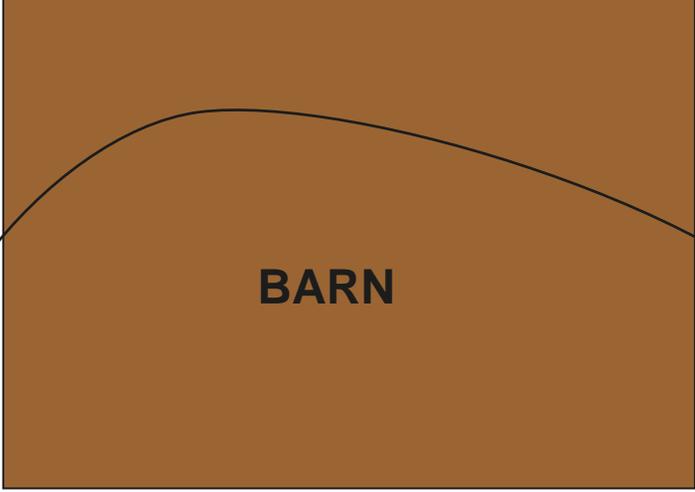


| Item | Recommendation | Required |
|------------|---|--|
| Gloves | Nitrile, vinyl or heavy rubber work gloves  | Rubber work gloves with heavy cotton liner |
| Clothing | Impervious coveralls or coveralls with impervious apron or gown  | Cotton coveralls with light disposable coverall and shower at days end |
| Footwear | Disposable shoe covers or polyurethane/rubber boots  | Rubber boots |
| Respirator | Disposable N95 or better  | Half face mask with cartridges |
| Other | Goggles and head cover  | Goggles and head cover |



How many million
virus particles per
gram feces???!?

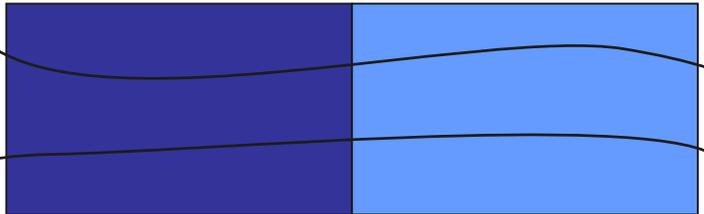




BARN

**REMOVE OUTER PPE
& BOOT BATH ●**

**GOGGLE, RESPIRATOR
& BOOT FINAL DECON ●**



SHOWER & CHANGE

| Item | Recommendation | Required |
|------------|--|--|
| Gloves | Nitrile, vinyl or heavy rubber work gloves  | Rubber work gloves with heavy cotton liner |
| Clothing | Impervious coveralls or coveralls with impervious apron or gown  | Cotton coveralls with light disposable coverall and shower at days end |
| Footwear | Disposable shoe covers or polyurethane/rubber boots  | Rubber boots |
| Respirator | Disposable N95 or better   | Half face mask with cartridges |

Potential emergencies

CFIA worker injured in Bradner Road barn
Paramedic gear disinfected

A CANADIAN Food Inspection Agency (CFIA) worker was taken to hospital yesterday after someone other than injured while checking up dead birds at Fraser Valley Duck and Goose Farm on Bradner.

The woman suffered "minor head injuries," said Terry Wood, a paramedic with the Fraser Valley Fire Department.

Paramedics were called to the 1000 block of Bradner Road around 2:30 p.m. after a worker was involved in an incident in one of the barns.

"It sounds like she was hit by a feeding bucket... just a glancing blow on her," said Wood.

The woman was transported on a stretcher when ambulance crews arrived.

Distribution was stopped on the stretcher after the woman was removed from the barn, "wrapped up" for biosecurity reasons, said Wood.

As well, paramedics and their gear had to be disinfected before the woman was taken to hospital. Approximately two dozen CFIA employees were in the barns yesterday picking up ducks and geese passed on Tuesday after preliminary tests showed antibodies to the H5 avian flu virus.

The dead birds will be incinerated.

A paramedic gets ready to load an injured woman into the ambulance yesterday afternoon, as her colleagues, in blue, look on. The Canadian Food Inspection Agency employee suffered minor head injuries yesterday afternoon while picking up dead birds at a Bradner Road duck and goose farm. The birds were gassed Tuesday after preliminary tests showed antibodies to the H5 strain of avian flu.

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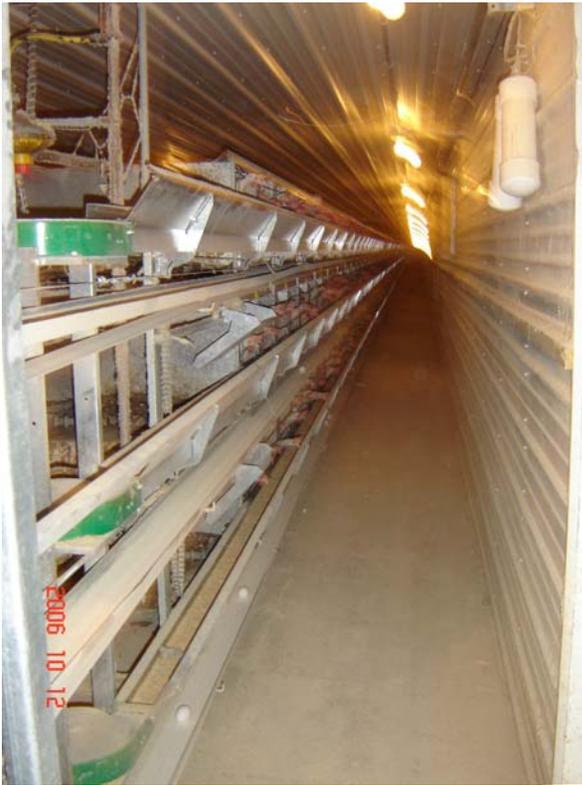
Conventional emergency services may not be willing to enter the contaminated area

Hazmat, even if available will take considerable time to set up



Confined space training

- multiple purpose respirators
- competency issues
- equipment maintenance





Structural issues

Poor lighting



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Fullface negative pressure with drinking tube



PPE



Reducing aerosol production



Field appropriate decontamination technologies and protocols

- efficacy at a range of temperatures
- ability to deal with organic load
- achieving adequate contact time



Showers and shelter



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Quis custodiet ipsos custodes?

Who will guard the guards themselves?

Juvenal, Roman poet & satirist (55 AD - 127 AD)