

# AGRICULTURE RESPONSE MATERIALS MANGEMENT INC. BIOSECURITY KIT INSTRUCTION SHEETS

updated December 2016

The contents of this kit are intended to help reduce the risk of introducing a disease to your flock or herd during periods of heightened biosecurity warnings. The contents may be used by anyone who must enter a barn. This kit is not meant for farms that have tested positive for a reportable or zoonotic disease. In these disease situations, guidance may be provided by the relevant government body.

This box and material should be kept in a clean, cool, rodent free, dry area, outside the controlled access zone (see diagram on following page). The biosecurity kits inside the box should be put on and taken off outside the animal housing facility. Please put clothing on following the enclosed guidelines.

Additional ARMMI kits are available if required. Kits are available in two sizes: the large kits contain XXL size coveralls and the extra large kits contain XXXXL size coveralls. To order more kits, contact your local board office and specify whether you need a large or extra large kit delivered.

There are eight (8) identical plastic bags in one kit.

Each of the individual kits contains:

- 3 N95 masks
- 1 pair of rubber over boots for use with shoes, these are unnecessary if user is already wearing rubber boots which can be washed and disinfected
- 1 garbage bag
- 1 pair of safety glasses
- 3 pairs of hooded coveralls (hoods may be separate)
- 3 bouffant caps
- 3 pairs of disposable outer plastic boot covers

The kit also contains:

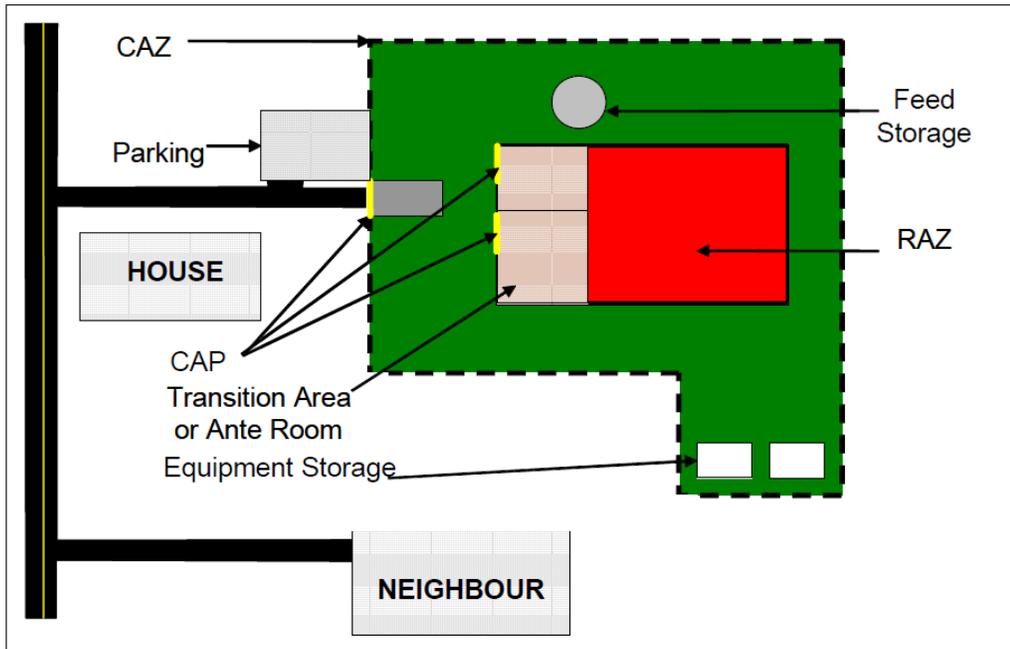
Two (2) rolls of duct tape and

One (1) box of disposable Nitrile gloves

## Establishing Zones

Access on your farm is managed by establishing protective zones around the areas where animals are kept or handled. These are known as the Controlled Access Zone (CAZ) and the Restricted Access Zone (RAZ). For these zones to be effective, they need to be clearly defined and have clearly visible Controlled Access Points (CAP).

**Figure 1: Conceptual Farm Layout Incorporating Biosecurity Zones**



**Figure 1: Houses (residence) and parking areas are located outside the first biosecurity zone called the controlled access zone (CAZ). The CAZ contains operational facilities indirectly involved in animal production (e.g. feed storage) and the restricted access zone (RAZ). The RAZ houses, contains, or confines production animals. Both the CAZ and RAZ are accessed through a controlled access point (CAP).**

Source: National Farm-Level Biosecurity Planning Guide: Proactive Management of Animal Resources, Canadian Food Inspection Agency

## BIOSECURITY PROTOCOLS

The biosecurity kit serves two purposes, it:

1. increases flock or herd protection from exposure to possible hazardous disease agents; and
2. reduces the chance that a disease hazard will leave the farm.

Used biosecurity items must be disposed of properly and any reusable items must be disinfected using appropriate and approved disinfectants.

### IMPORTANT NOTES:

- **Read through instructions before beginning.**
- Follow the sequence of the biosecurity guidelines as presented.
- Before putting on the biosecurity items, position the garbage bag provided so that it will be held open and ready for you to deposit your used biosecurity items into it after use.
- Prepare a disinfectant dip (e.g. Virkon) to disinfect safety glasses, if worn, and a footbath to disinfect footwear before leaving the CAZ. **Read the instructions contained on the disinfectant package for proper concentration and contact time.** This may vary depending on the disease being guarded against.

### A. Putting on Biosecurity Items when entering the Controlled Access Zone (CAZ)

1. Remove any items that cannot be put through a disinfectant bath, e.g. watches, jewelry, cell phones, cameras, eye glasses (if possible), etc.
2. Put long hair in a pony tail
3. Put on inner rubber over boots if needed. If you are wearing clean footwear that can go through a footbath (e.g. clean rubber boots) then the over boots are not necessary.
4. Put on a bouffant cap (make sure all hair is tucked in).
5. Some biosecurity kits have hooded disposable coveralls and some have hoods and coveralls which are separate. If you have a separate hood, put it on now before the coveralls otherwise proceed to step 6.
6. Put on a pair of disposable coveralls over your clothing.
  - Start with the legs, putting them on one at a time.
  - Pull up the coveralls ensuring that your hood is tucked inside the coverall if it is not attached to the coverall.
  - Pull up the zipper.
  - Use duct tape to adjust the waist size (e.g. make a belt if coveralls are too large) and make a tab for easy duct tape removal.
7. Put on the disposable outer plastic boot covers over the rubber over boots. Coverall pant legs should be tucked into the disposable outer plastic boot cover.
8. Pull up the coverall suit hood if attached to the coverall.
9. Pull the coverall zipper all the way up.
10. Face masks and safety glasses have been provided in the kit if you wish to use them. Refer to the manufacturer's instructions on the package for proper fitting techniques for the mask.

When using the equipment contained in this kit ARMMI recommends following the manufacturers instructions at all times. ARMMI accepts no responsibility for any issues arising from the use of this equipment. Users of the equipment contained in this kit are advised that they do so at their own risk. Should any of the equipment contained in this kit appear to be defective, **do not use it** and report it to ARMMI at 1 (519) 837-0284. This information and instruction sheet was developed and is provided by Egg Farmers of Ontario, Turkey Farmers of Ontario, Chicken Farmers of Ontario & the Ontario Broiler Hatching Egg & Chick Commission.

11. Put on disposable nitrile gloves tucking them under or over the sleeve of your disposable coverall.

## **B. Removing Biosecurity Items (when leaving CAZ)**

1. Keep your gloves on unless they are very dirty. Apply an alcohol based hand sanitizer to your gloves. Liberally use hand sanitizer on your gloves. If your gloves are very dirty and you need to put on another pair, peel off dirty gloves inside out, only touching the “clean” inside of the gloves. Deposit into the garbage bag you previously opened for used biosecurity items. Then, put on a clean pair of gloves.
2. Remove the duct tape belt if used and place it into the garbage bag.
3. Remove the safety glasses, if worn, by carefully guiding them off. Disinfect safety glasses with a disinfectant dip after wearing.
4. Carefully remove the N95 face mask, if worn, (without shaking it) and place it into the garbage bag.
5. Pull down the coverall zipper enough to remove the hood which could be separate from the coveralls.
6. Pull the coverall hood down and fold it so that the inside becomes the outside. If separate, remove the hood carefully and deposit gently into the garbage bag.
7. Gently remove the bouffant cap and place it gently into the garbage bag.
  - Make sure that long hair does not come into contact with the outside of coveralls.
8. Pull the coverall zipper all the way down.
9. To remove coveralls. Avoid touching the outside of the coveralls as they are considered dirty. Begin by carefully rolling the coveralls off starting from the neck. Only touch the inside of the coveralls. Continue to roll/peel the coveralls off. Pull the arms inside out one at a time so that the inside of the coverall arm is on the outside. Roll the coveralls down to the floor; pull boot legs out one at a time.
10. Roll coveralls and boots into a ball (touching only the insides) and dispose of in the previously prepared garbage can.
11. Step into the foot bath you prepared beforehand, one foot at a time. Footbaths are only effective if kept clean (free of organic material).
12. Make sure the bottoms of your footwear or rubber over boots are carefully rinsed in the foot bath.
13. Remove the inner rubber over boots (if worn).
14. Walk away from the CAZ.

## **▼ GUIDELINES FOR DISPOSING OF USED BIOSECURITY ITEMS**

Any items utilized from the kit should be disposed of appropriately to prevent the spread of any potential disease agent. Follow municipal guidelines for the disposal of waste.

We recommend double bagging the biosecurity items to be disposed of and spraying the outside of the bag with a disinfectant spray. If this kit is being used on an infected premises under the control of a government body, the disposal protocols of the government body must be followed.

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