



Practical Biosecurity Programs
Standard Biosecurity Protocol (SBP)
SBP 20

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Self-Quarantines as a Biosecurity Measure

1. **Purpose:** To prevent disease spread to other animal units
2. **Responsibility:** Farm Staff
3. **Frequency:** Daily
4. **Biosecurity Protocols**
 - 4.1 When a disease outbreak occurs in a livestock/poultry/mink facility the biosecurity protocols should be just as effective at containing the disease as they are at preventing disease entry to a facility



Picture 20.1



Picture 20.2

Vaillancourt, 2003

- 4.2 This can be accomplished by quarantining the farming facility. This could be an individual barn on the farm site where infected animals are or it could be applied to the whole farm site

4.3 Quarantine defined:

Quarantine: Enforced isolation or restriction of free movement imposed to prevent the spread of a contagious disease.

4.4 Regulators like CFIA (Canadian Food Inspection Agency) will use quarantines in an effort to prevent the spread of Foreign Animal Diseases (FAD). Infected and Surveillance Zones are types of quarantines placed on farm sites and defined areas around infected farm sites



Picture 20.3, Vaillancourt, 2003



Picture 20.4, Oderkirk, 2010

4.5 When a contagious disease is suspected or identified in a region/area, producers can impose their own self-quarantine on their livestock/poultry/mink operations

4.6 Self Quarantine

Steps to self-quarantine your farm site:

1. Suspect or identified disease on farm or in the area
2. Follow the **SBF 7: Self-Quarantine Checklist**
3. Close & lock farm gates to restrict any traffic coming on or going off the farm site
4. Suspend unnecessary movement of vehicles and equipment on farm
5. Absolutely NO VISITORS
6. Deliveries like feed or product pick-up/shipping would only be by pre-arranged appointment and only if absolutely necessary. Request "end-of-day" service
7. Vehicles coming on farm are to be sanitized prior to entry and upon exit from the farm site. A disinfection station will need to be in place at end of laneway for this purpose
8. Keep the entry doors closed and locked on infected barns/buildings
9. Inform neighbors, as necessary

10. When the disease is in a barn or farm section, restrict staff movements where a staff member is dedicated to the affected barn(s) or farm section
11. Gather relevant documents like flock/herd mortality sheets, production records, feeding records, etc. of livestock/poultry/mink currently on the farm site
12. Try to determine time of onset, duration, if it is getting worse or it is being resolved
13. Keep a **SBF 8: Farm Daily Log** of observations, activities, etc. while the disease threat remains
14. Provide representative animals for testing/sampling or autopsies of any mortality by veterinarian or veterinary lab services
15. Inform staff and family of situation and emphasize need for enhanced biosecurity to limit disease spread
16. Off farm activities need to be restricted or suspended until the disease emergency is over (meetings, social events, family visits, etc.)
17. Follow strict biosecurity protocols with clothing changes and personal hygiene when entering or leaving the farmsite
18. Postpone vaccinations, shipments, etc. where possible until emergency is over
19. Postpone any movement of animals on the farm and any new animals/poultry/mink coming onto the farm
20. Mortality must be handled as infected material and disposed of properly preferably on-farm with composting, incineration or burying if allowed by regulators
21. Treat the animals as per recommendations from veterinarian
22. Keep industry representatives, processors, grader, hatchery, commodity board, etc. informed of quarantine progress
23. Keep quarantine in affect 10-14 day after the disease threat is over and infected site is C&D'd
24. Continue to closely monitor livestock/poultry for any reoccurrence, clinical signs and sampling
25. Return farm site to normal biosecurity levels and inform service reps and suppliers

5. Biosecurity Deviation Protocols

- 5.1** If the suspected or identified disease is a FAD or PDD (Provincial Designated Disease) and your farm site falls in one of the regulators quarantine zones, the regulator will impose on the farm site quarantine standards that are to be followed
- 5.2** If your farm becomes infected with a reportable disease (FAD, PDD) the clean-up and disinfection of the farm site facilities will also have to follow the regulators directions



Vaillancourt, 2003

6. Biosecurity Records

Farm Production Records

SBF 7: Self Quarantine Checklist

SBF 8: Farm Daily Log