General Quarantine Protocol

This is a draft plan and is subject to change

December 30, 2019

Introduction:

As described in the Iowa Department of Agriculture and Land Stewardships’ (IDALS’) General Animal Permitting Protocol if a Control Area is established during a Foreign Animal Disease (FAD) response in most cases any premises with susceptible species within the Area will be placed under quarantine. Premises with susceptible species will be issued an Affected Quarantine or Non-Affected Quarantine.

- **Affected Quarantine**: Issued to Infected Premises (IP) or Contact Premises (CP) and requires the establishment of a Decontamination Corridor. Premises establish a Quarantine Boundary around the premises where movement on-to and off-of the premises is only allowed through a predesignated Cold Zone and Decontamination Corridor. *See appendix 1 for an example.*

- **Non-Affected Quarantine**: Any premises in the Control Area that has had no high risk contact with an IP or CP and does not require the establishment of a Decontamination Corridor. If at any point an animal on a premises issued a Non-Affected Quarantine tests positive or high risk contact with a IP or CP is established, the quarantine can be upgraded to Affected Quarantine. *See appendix 2 for an example.*

- **Decontamination (Decon) Corridor**: Decontamination of personnel and equipment, including vehicles, occurs in this area. Stations for depositing tools, equipment, and other items are located here. Final decontamination and disinfection of PPE occur, then final doffing occurs here.

To limit access to the Quarantine Boundary only one point of entry (and Decontamination Corridor where appropriate) should be established for either type of Quarantine. A Boundary Map clearly marking both the Quarantine Boundary (and Decontamination Corridor) will be issued to the both the manager of the premises as well as the owner of the premises for all Affected Quarantines issued. IDALS will establish the following areas and zones on the premises:

- **Quarantine Boundary**: The highest-risk area of the premise and what is classically considered the “dirty” or “contaminated” area. Appraisal, depopulation, disposal, and facility cleaning/decontamination occur in this area.
- **Cold Zone – Support Zone (SZ):** The “cleanest” zone on the quarantined premises. Within this zone personnel don PPE before entering the Decon Corridor. Administrative, clerical, and other support staff are based here as well as facilities for eating, drinking, and bathroom use. This zone is only required when Affected Quarantines are issued.

If there are several premises that are close geographically to one another, IDALS may establish traffic control points into the area to monitor all potential movements onto and off all premises.

Examples of how the Boundary Map would be created for a small producer on a “home” premises and premises with a large production facility are included below:

**Boundary Map Example for Affected Quarantine:**

**Small Producer on “home” Premises**

![Diagram of a small producer on a “home” premises with a decontamination corridor and quarantine boundary.]

**NOTE:** When creating the Quarantine Boundary on a “home” premises any personal residence for people living on the grounds should not be included inside the Quarantine Boundary if possible.
Boundary Map Example for Affected Quarantine:
Premises with Large Production Facility

Ending Quarantines:

The requirements for ending a quarantine on a premises is disease dependent and will be based on the infectivity and pathology of the disease causing agent. The general requirements for ending an Affected Quarantine may include, but are not limited to:

- proper cleaning and disinfection protocols as described in IDALS’ General Cleaning and Disinfection Protocol were carried out and verified by IDALS or USDA;
- all infected or potentially infected biologic and organic materials on the premises have been removed, destroyed, or sterilized;
- the premises fallowing for a period of time based on the survivability of the pathogen;
- environmental testing showing that viable pathogen is no longer found on the premises; and/or
- sentinel animals remaining negative via diagnostic testing after introduced to the premises after one and then two incubation periods.

The general requirements for ending a Non- Affected Quarantine may include, but are not limited to:

- IDALS and USDA determine the premises is no longer in the Control Area; and
- no animal on the premises has tested positive for the disease (if at any point an animal on a premises issued a Non-Affected Quarantine tests positive, the premises’ quarantine will be changed to an Affected Quarantine).
Appendix 1: Affected Quarantine Example

THE FOLLOWING QUARANTINE EXAMPLE IS A DRAFT AND DOES PRESENT A REAL EVENT NOR OFFICIAL POLICY OF IDALS

IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP

IN RE: [Name/business entity] [Title] [Address] [Premises ID #]

ORDER NO. [____________] ORDER OF AFFECTED QUARANTINE [date]

I. SUMMARY

1. This Order of Affected Quarantine (Quarantine) requires that all [insert name(s)] of susceptible species, hereafter collectively referred to as “susceptible species,” or imperiling products, as set forth below, located at [insert premises address] (hereafter referred to as the “Premises”—defined below in Paragraph No. X), are hereby quarantined under suspicion of being infected with, or exposed to the disease known as [insert disease name]. [Name of business entity/owner] (hereafter referred to as “Owner”) is required to isolate and quarantine all of the following located at the Premises:

   a. Live susceptible species of any kind (including those held as pets);
   b. Carcasses of susceptible species;
   c. Manure originating from susceptible species;
   d. Compost originating from susceptible species; or
   e. [insert additional items as needed];

   ((a)-(e) are hereafter collectively referred to as “susceptible species or imperiling products”)

2. All persons, including, but not limited to, Owner’s workers, employees, or representatives of, are prohibited from removing or delivering any susceptible species or
imperiling products from/to the Premises.

3. In addition, movement restrictions are imposed on the Premises, prohibiting the movement of any vehicle or equipment onto or off-of the Premise unless done in compliance with the requirements of this Quarantine or otherwise permitted by IDALS, including, but not limited to, the following:

a. Susceptible species or imperiling products onto or off-of the Premises;

b. Animal feed onto or off-of the Premises;

c. Rendering trucks onto or off-of the Premises;

d. Manure originating from susceptible species onto or off-of the Premises;

e. Compost originating from susceptible species onto or off-of the Premises; and

f. Routine garbage or recycling collection from the Premises.

(hereafter collectively referred to as “products or services to care for susceptible species”)

4. Any movement of vehicles or equipment onto or off-of the Premises must comply with proper cleaning and decontamination per [identify/describe cleaning and disinfection protocols] (copy provided) and must be permitted by the Iowa Department of Agriculture and Land Stewardship (IDALS).
Questions regarding this Order should be directed to:

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**Appeal, if any, to:**

Secretary, Iowa Dept. of Agriculture and Land Stewardship
Henry A. Wallace Building
502 East 9th Street
Des Moines, Iowa 50319

**II. JURISDICTION**

5. IDALS may establish, maintain, enforce, and regulate quarantine and other measures relating to the movement and care of animals that may be exposed or afflicted with an infectious or contagious disease. Iowa Code § 163.1(4).

6. IDALS may order the disinfection of suspected yards, buildings, or articles, and for the destruction of animals as may be deemed necessary by the department. Iowa Code § 163.1(5).

7. IDALS may quarantine and/or destroy any animal exposed to or afflicted with an infectious or contagious disease. Iowa Code § 163.10.
8. Iowa Code section 163.3A(1)-(2) provides that the Iowa Department of Agriculture and Land Stewardship (IDALS) may provide veterinary emergency preparedness and response services necessary to prevent or control a serious threat to the state’s economy caused by the transmission of a disease among livestock, including measures to ensure all such animals carrying the disease are properly identified, segregated, treated, or destroyed as provided by law. The services may be performed as part of measures authorized by the Governor under a declaration or proclamation issued pursuant to chapter 29C.

9. Whenever the chief of division of animal industry (a/k/a State Veterinarian) shall have knowledge of an outbreak of any contagious, infectious or communicable disease among domestic animals in the state, the chief of the division of animal industry shall take such action as necessary for the prevention and suppression of such disease, including establishment, enforcement and maintenance of quarantines. 21 Iowa Admin. Code 64.2.

III. DEFINITIONS

10. “[insert disease name]” has been designated by IDALS as an infectious or contagious disease. 21 Iowa Admin. Code 64.1(3).

11. “Cold Zone” or “Support Zone” means the “cleanest” zone on the quarantined premises. Within this zone personnel don personal protective equipment (PPE) before entering the Decontamination Corridor. Administrative, clerical, and other support staff may be based here as well as facilities for eating, drinking, and bathroom use. The Cold Zone or Support Zone will be identified on the Quarantine Boundary Map (Exhibit A), attached hereto.
12. “Decontamination (Decon) Corridor” means the area where decontamination of personnel and equipment, including vehicles, occurs. Stations for depositing tools, equipment, and other items are located here. Final decontamination and disinfection of PPE and doffing occurs here. The Decon Corridor will be identified on the Quarantine Boundary Map (Exhibit A), attached hereto.

13. “Infectious or contagious disease” means “glanders, farcy, maladie du coit (dourine), anthrax, foot and mouth disease, scabies, classical swine fever, tuberculosis, brucellosis, vesicular exanthema, scrapie, rinderpest, avian influenza or Newcastle disease as provided in chapter 165B, pseudorabies as provided in chapter 166D, or any other transmissible, transferable, or communicable disease so designated by the department.” Iowa Code § 163.2(5).

14. “Premises” means “the area located within the Quarantine Boundary as identified on the Quarantine Boundary Map (Exhibit A), attached hereto.”

15. “Quarantine” is defined as “the perfect isolation of all diseased or suspected animals from contact with other animals as well as the exclusion of other animals from yards, stables, enclosures or grounds where suspected or diseased animals are or have been kept.” 21 Iowa Admin. Code 64.6.

16. “Quarantine Boundary” is defined as the highest-risk area of the premises and what is classically considered the “dirty” or “contaminated” area. Appraisal, depopulation, disposal, and facility cleaning and decontamination occur in this area. The Quarantine Boundary will be identified on the Quarantine Boundary Map (Exhibit A), attached hereto.

IV. STATEMENT OF FACTS

17. Owner owns and/or cares for susceptible species or imperiling products located at [address]—Premises.
18. IDALS received [specific information/lab results] from/about the susceptible species or imperiling products located at the Premises demonstrating the susceptible species or imperiling products may be/are infected/exposed with [insert disease name].

V. CONCLUSIONS OF LAW

19. IDALS has determined that the susceptible species or imperiling products located at the Premises may be/are infected/exposed with [insert disease name]. Iowa Code section 163.1(1)-(10) and 163.10 and 21 Iowa Administrative Code 64.2 authorize IDALS to take such action as necessary for the prevention and suppression of [insert disease name], including establishment, enforcement and maintenance of quarantines and imposition of movement restrictions.

VI. ORDER

THEREFORE, IDALS orders the following:

20. All susceptible species or imperiling products or products or services to care for susceptible species located at the Premises, are hereby quarantined under suspicion of being infected with or exposed to the disease known as [insert disease name].

21. Owner is required to isolate and quarantine all susceptible species or imperiling products or products or services to care for susceptible species located at the Premises. No one is allowed to remove any susceptible species or imperiling products or products or services to care for susceptible species from the Premises unless done in compliance with the requirements of this Quarantine or otherwise permitted by IDALS. No one is allowed to move any susceptible species or imperiling products or products or services to care for susceptible species onto the Premises unless done in compliance with the requirements of this Quarantine or otherwise permitted by IDALS.
22. Movement restrictions are imposed upon the Premises, prohibiting the movement of any vehicles or equipment to provide products or services to care for susceptible species onto or off-of the Premises unless done in compliance with the requirements of this Quarantine or otherwise permitted by IDALS. In addition, movement of any vehicles or equipment onto or off-of the Premises must comply with proper cleaning and decontamination per [rules for cleaning and decontamination] (copy provided) and must be permitted by IDALS.

23. The quarantine of susceptible species or imperiling products or products or services to care for susceptible species located at the Premises and the accompanying movement restrictions shall remain in effect until revoked by the Chief of Division of Animal Industry at IDALS (a/k/a State Veterinarian), or an assistant or representative of the Division of Animal Industry at IDALS.

24. Restrictions, [insert disease name] testing requirements, and any depopulation or decontamination requirements for removal of quarantine shall be in compliance with all state and federal rules and specifically, in accordance with [identify specific authority/protocol for removal of quarantine]. The general requirements for ending this quarantine may include, but are not limited to:

a. Proper cleaning and disinfection protocols were carried out and verified by IDALS or the United States Department of Agriculture (USDA);

b. All infected or potentially infected biologic and organic materials on the Premises have been removed, destroyed, or sterilized;

c. The Premises fallowing for a period of time based on the survivability of the [insert disease name] pathogen;

d. Environmental testing showing that viable [insert disease name] pathogen is no longer found on the Premises; and/or
239 e. Sentinel animals remaining negative via diagnostic testing after introduced to the Premises after a set period of time.

242 25. The quarantine of susceptible species or imperiling products or products or services to care for susceptible species located at the Premises and accompanying movement restrictions are effective upon the issuance of this Order.

VII. EMERGENCY ADJUDICATIVE PROCEEDING

246 26. IDALS is issuing this quarantine because the outbreak of or exposure to [insert disease name] in the susceptible species or imperiling products or products or services to care for susceptible species located at the Premises. [insert disease name] is contagious to other susceptible species and may impact the health and well-being of other susceptible species in Iowa, which requires immediate agency action.

247 27. [insert description of disease background].

VIII. APPEAL RIGHTS

253 28. A written Notice of Appeal may be filed with the Secretary within 30 days of your receipt of this Order. The Notice of Appeal shall be sent to the address provided above. An appeal proceeding will then be commenced. You may contact Jacob Larson, attorney for the Department, for more information regarding appeal procedures and resolution of this Order.

IX. NONCOMPLIANCE

258 29. Failure to comply with this Order may result in the imposition of civil penalties and injunctive relief pursuant to Iowa Code sections 163.61 and 163.62.
EXHIBIT A: Quarantine Boundary Map of Premises (\textit{insert premises ID #})
Appendix 2: Non-Affected Quarantine Example

THE FOLLOWING QUARANTINE EXAMPLE IS A DRAFT AND DOES PRESENT A REAL EVENT NOR OFFICIAL POLICY OF IDALS

IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP

IN RE: [Name/business entity] [Title] [Address] [Premises ID #]

ORDER NO. [ ]

ORDER OF AFFECTED QUARANTINE

[ ]

X. SUMMARY

1. This Order of Non-Affected Quarantine (Quarantine) requires that all [name(s) of susceptible species], hereafter collectively referred to as “susceptible species,” or imperiling products, as set forth below, located at [insert premises address] (hereafter referred to as the “Property”), are hereby quarantined. This Property is located within a Control Area established by the Iowa Department of Agriculture and Land Stewardship (IDALS) as a result of an outbreak of [insert disease name]. [Name of business entity/owner] (hereafter referred to as “Owner”) is required to isolate and quarantine all of the following located at the Property:

a. Live susceptible species of any kind (including those held as pets);

b. Carcasses of susceptible species;

c. Manure originating from susceptible species;

d. Compost originating from susceptible species; or

e. [insert additional items as needed];

((a)-(e) are hereafter collectively referred to as “susceptible species or imperiling products”)
2. All persons, including, but not limited to Owner’s workers, employees, or representatives, are prohibited from removing or delivering any susceptible species or imperiling products from/to the Property.

3. In addition, movement restrictions are imposed on the Property, prohibiting the movement of any vehicle or equipment onto or off-of the Property unless done in compliance with the requirements of this Quarantine or otherwise permitted by IDALS, including, but not limited to, the following:

   a. Susceptible species or imperiling products onto or off-of the Property;
   b. Animal feed onto or off-of the Property;
   c. Rendering trucks onto or off-of the Property;
   d. Manure originating from susceptible species onto or off-of the Property;
   e. Compost originating from susceptible species onto or off-of the Property; and
   f. Routine garbage or recycling collection from the Property.

(hereafter collectively referred to as “products or services to care for susceptible species”)

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XI. JURISDICTION

4. IDALS may establish, maintain, enforce, and regulate quarantine and other measures relating to the movement and care of animals that may be exposed or afflicted with an infectious or contagious disease. Iowa Code § 163.1(4).

5. IDALS may order the disinfection of suspected yards, buildings, or articles, and for the destruction of animals as may be deemed necessary by the department. Iowa Code § 163.1(5).

6. IDALS may quarantine or destroy any animal exposed to or afflicted with an infectious or contagious disease. Iowa Code § 163.10.

7. Iowa Code section 163.3A(1)-(2) provides that the Iowa Department of Agriculture and Land Stewardship (IDALS) may provide veterinary emergency preparedness and response services necessary to prevent or control a serious threat to the state’s economy caused by the transmission of a disease among livestock, including measures to ensure all such animals carrying the disease are properly identified, segregated, treated, or destroyed as provided by law. The services may be performed as part of measures authorized by the Governor under a declaration or proclamation issued pursuant to chapter 29C.

8. Whenever the chief of division of animal industry (a/k/a State Veterinarian) shall have knowledge of an outbreak of any contagious, infectious or communicable disease among domestic animals in the state, the chief of the division of animal industry shall take such action as necessary for the prevention and suppression of such disease, including establishment, enforcement and maintenance of quarantines. 21 Iowa Admin. Code 64.2.
XII. DEFINITIONS

9. “[insert disease name]” has been designated by IDALS as an infectious or contagious disease. 21 Iowa Admin. Code 64.1(3).

10. “Control Area” is defined as “an area designated by IDALS as higher risk because of its proximity to an infected premises, including an area at least 10km (~6.21 miles) beyond the perimeter of the an infected premises.”

11. “Infectious or contagious disease” means “glanders, farcy, maladie du coit (dourine), anthrax, foot and mouth disease, scabies, classical swine fever, tuberculosis, brucellosis, vesicular exanthema, scrapie, rinderpest, avian influenza or Newcastle disease as provided in chapter 165B, pseudorabies as provided in chapter 166D, or any other transmissible, transferable, or communicable disease so designated by the department.” Iowa Code § 163.2(5).

12. “Quarantine” is defined as “the perfect isolation of all diseased or suspected animals from contact with other animals as well as the exclusion of other animals from yards, stables, enclosures or grounds where suspected or diseased animals are or have been kept.” 21 Iowa Admin. Code 64.6.

XIII. STATEMENT OF FACTS

13. Owner owns and/or cares for susceptible species or imperiling products located at [address]— the Property.

14. On [insert date], IDALS received [specific information establishing location (and lack of IP or CP contact) in a Control Area for given disease] from/about the susceptible species or imperiling products located at the Property.
XIV. CONCLUSIONS OF LAW

15. IDALS has determined that the susceptible species or imperiling products located at the Property, may be/are infected/exposed with [insert disease name]. Iowa Code section 163.1(1)-(10) and 163.10 and 21 Iowa Administrative Code 64.2 authorize IDALS to take such action as necessary for the prevention and suppression of [insert disease name], including establishment, enforcement and maintenance of quarantines and imposition of movement restrictions.

XV. ORDER

THEREFORE, IDALS orders the following:

16. All susceptible species or imperiling products or products or services to care for susceptible species located at the Property, are hereby quarantined due to their location in a Control Area established as a result of an outbreak of [insert disease name].

17. Owner is required to isolate and quarantine all susceptible species or imperiling products or products or services to care for susceptible species located at the Property.

18. No one is allowed to remove any susceptible species or imperiling products or products or services to care for susceptible species from the Property unless done in compliance with the requirements of this Quarantine or otherwise permitted by IDALS. No one is allowed to move any susceptible species or imperiling products or products or services to care for susceptible species onto the Property unless done in compliance with the requirements of this Quarantine or otherwise permitted by IDALS.
19. Movement restrictions are imposed upon the Property, prohibiting the movement of any vehicles or equipment to provide products or services to care for susceptible species onto or off-of the Property unless done in compliance with the requirements of this Quarantine or otherwise permitted by IDALS.

20. The quarantine of susceptible species or imperiling products or products or services to care for susceptible species located at the Property and the accompanying movement restrictions shall remain in effect until revoked by the Chief of Division of Animal Industry at IDALS (a/k/a State Veterinarian), or an assistant or representative of the Division of Animal Industry at IDALS, or IDALS rescinds the Control Area designation for geographic area in which the Property is located, whichever comes first.

21. The quarantine of susceptible species or imperiling products or products or services to care for susceptible species located at the Property and accompanying movement restrictions are effective upon the issuance of this Order.

22. If at any point susceptible species on the Property tests positive for [insert disease name] or high risk contact with an infected premises or contact premises is established, IDALS may upgrade this Non-Affected Quarantine to an Affected Quarantine.

XVI. EMERGENCY ADJUDICATIVE PROCEEDING

23. IDALS is issuing this quarantine because susceptible species or imperiling products or products or services to care for susceptible species located at the Property are located within a Control Area established by IDALS as a result the outbreak of [insert disease name], which is contagious to other susceptible species and may impact the health and well-being of other susceptible species in Iowa, and requires immediate agency action.

24. [insert description of disease background]
XVII. APPEAL RIGHTS

25. A written Notice of Appeal may be filed with the Secretary within 30 days of your receipt of this Order. The Notice of Appeal shall be sent to the address provided above. An appeal proceeding will then be commenced. You may contact Jacob Larson, attorney for the Department, for more information regarding appeal procedures and resolution of this Order.

XVIII. NONCOMPLIANCE

26. Failure to comply with this Order may result in the imposition of civil penalties and injunctive relief pursuant to Iowa Code sections 163.61 and 163.62.