

[SMITH CATTLE COMPANY] Enhanced Biosecurity Plan for FMD Prevention in [WYOMING]

Updated: [12/28/2017]

This Biosecurity Plan is based off of the Secure Beef Supply (SBS) Plan Self-Assessment Checklist for Enhanced Biosecurity, [NOVEMBER 2017] and was developed using guidance from the SBS Information Manual for Enhanced Biosecurity for FMD Prevention: Cattle on Pasture. All documents are available at www.securebeef.org. In our plan below, all items have been implemented except those indicated which will be implemented prior to requesting an animal movement permit.

Scope of Biosecurity Plan

Describe the Premises:

- National Premises Identification Number (Prem ID or PIN): 999XXXX
- Premises Address: 123456 Cattle Lane, Bridgetown, WY 60345
- Premises GPS Coordinates: 44.4456768, -53.4869302
- Animals* on primary premises: 500 mature cows, 300 heifers
- Animal housing types: 3,800 acres of pasture
- Other business operations on premises? Yes If yes, what? custom hay making business

Secondary premises** locations:

- 123460 Cattle Lane, Bridgetown, WY 60345
- Others will be provided if this premises is located in an FMD Control Area

*Work with your State Animal Health Official to determine if separate PINs are needed for all of your associated premises

*Animals that are susceptible to FMD include cattle, pigs, sheep and goats. For biosecurity guidance for dairy cattle and pigs, see www.securemilksupply.org and www.securepork.org.

**Work with your State Animal Health Official to determine if separate PINs are needed for all of your associated premises.

Biosecurity Manager and Written Plan

The **designated Biosecurity Manager** for this premises and their contact information follows:

NAME: Abbey Smith
PHONE: 555-555-5565
EMAIL: asmith@beef.com

In the event the Biosecurity Manager is away from the operation, their designee's contact information is:

NAME: Danelle Weddle
PHONE: 555-555-5060
EMAIL: dweddle@beef.com

The Biosecurity Manager's contact information is posted in farm office by C&D station at controlled access point

Abbey Smith and Danelle Weddle have the written authority to ensure compliance with biosecurity protocols and take corrective action as needed.

Abbey Smith developed the operation-specific biosecurity plan with the assistance of:

- Stan Lee, a consultant with WY Department of Agriculture whose contact information is:
PHONE: 555-555-5560
EMAIL: lee@beef.com

The Biosecurity Manager or their designee (check all that apply):

- ✓ communicates with and/or trains individuals entering on biosecurity measures to follow;
- ✓ reviews the biosecurity plan at least annually and updates it whenever the operation goes through a change affecting biosecurity;
- ✓ ensures that all individuals entering the operation frequently (weekly or more often) have access to a copy of the biosecurity plan; and
- ✓ is capable of implementing the written plan if FMD is diagnosed in the U.S.

A labeled premises map is included at the end of this plan and can be found on the premises at: on file at the farm office.

Training

The people listed below are trained at least at least annually about the biosecurity measures necessary to keep FMD out of the herd. This training is documented and available for review upon request.

- ✓ Owners
- ✓ Biosecurity Managers
- ✓ Essential personnel

The Biosecurity Manager(s) informs individuals entering the operation of the biosecurity measures they are to follow in a language they understand. Individuals are aware of the biosecurity concepts and procedures that apply to their specific areas of responsibility. Our required training is described below.

All individuals entering must understand how to

- ✓ Contact the Biosecurity Manager(s)
- ✓ Respect the Line of Separation (LOS)
- ✓ Cross the LOS, if required, following arrival and biosecure entry requirements
- ✓ Perform biosecurity measures for their specific job duties

Essential personnel must also:

- ✓ Understand the importance of biosecurity
- ✓ Review the entire biosecurity plan;
- ✓ Review the labeled premises map;
- ✓ Know who to report to if they see someone not complying or something preventing compliance; and
- ✓ Recognize the consequences for not complying with biosecurity protocols.

Protecting the Operation

Line of Separation (LOS)

The Line of Separation is labeled on the premises map at the end of this plan. The LOS is marked on-site with yellow rope.

Cattle do not have access to other livestock, streams, waterways, or run-off water or organic matter that may have come from other premises.

LOS Access Point(s)

Entry to the operation is restricted to 1 controlled LOS Access Point(s) and each are labeled on the premises map at the end of this plan. The LOS Access Points are clearly marked with a suitable barrier of 2 gates to restrict entry. Unused driveways that are not LOS Access Points are protected with roped off to prevent vehicles and people from entering.

Signs written in English/Spanish are posted at all LOS Access Points that include Biosecurity Manager's phone numbers.

All movements (animals, vehicles, equipment, people) across the LOS are recorded and these documents are kept in the farm office and are available for review upon request.

The designated animal loading/unloading area is labeled on the premises map at the end of this plan and this is NOT used for a people entry point.

Deliveries not essential to the operation are made outside of the LOS at the hay making and this area is indicated on the premises map and signage posted at the LOS Access Point.

Vehicles crossing through the LOS Access Points are cleaned to remove visible contamination and then disinfected at the Cleaning and Disinfection Station.

People and items crossing through the LOS Access Points follow appropriate specific biosecurity steps, described under Biosecure Entry Procedure in this plan.

Cleaning and Disinfection (C&D) Station

There is an operational, clearly marked, and equipped C&D station(s) located in front of a gated entrance and it is labeled on the premises map at the end of this plan. The wash pad for the C&D station is made of pavement and slopes away from animal housing, feed receiving or storage areas, waterways, and on-farm traffic areas. This operation uses buffer strips and holding pond to manage effluent from the C&D area to ensure susceptible animals are not exposed. Effluent from the C&D Station is managed following all state and local regulations.

This operation has access to all the equipment and supplies needed to successfully operate the C&D Station. The SOP for the C&D process is available upon request.

The following individuals have received documented training in proper selection and use of personal protective equipment, the principles of C&D to avoid introducing FMD virus to the operation, and area able to effectively operate the C&D Station.

- Abbey Smith
- Danelle Weddle
- Stan Lee

In the case of inclement weather (freezing temperatures, thunderstorms, high winds) when the C&D Station cannot be operated, we have the following contingency plans to ensure vehicles do not bring visible contamination onto our operation:

Keep the mobile unit with the power washer, water, and disinfectant in the heated shop near the C&D Station so that is functional when needed. Move it out when a vehicle needs to be C&D and back into the shop to prevent it from freezing. In the event of a thunderstorm, the C&D Station would not be operated until safe to do so.

Designated Parking Area

The designated parking area is clearly marked with rope and labeled on the premises map at the end of this plan. It is located outside of the LOS and away from animal areas.

Vehicles and Equipment

Vehicles and Equipment (non-animal transport)

All vehicles and equipment (not containing live animals) are cleaned to remove visible contamination and effectively disinfected prior to crossing the LOS; otherwise entry is prohibited.

Livestock Trucks/Trailers (animal transport vehicles)

All **empty** animal transport vehicles are cleaned and disinfected prior to arrival at the operation (outgoing loads) or before animals are loaded for delivery to the operation (incoming loads).

Occupied animal transport vehicles are not allowed to cross the LOS. (Pick one, modify, delete the other)

- ✓ On-farm livestock trailers are used to transport animals to or away from the arriving livestock trailer at a designated cattle crossing LOS Access Point.

Harvest and Feed Delivery Equipment (pick one, delete the other)

- ✓ A plan is in place to temporarily modify the LOS to create a direct path to the feed storage area for harvest vehicles/equipment that may be transporting feedstuffs during harvest of hay. This route is NOT used by vehicles inside the LOS to feed or contact animals. We are able to access this feed storage area from another direction that does NOT cross paths. Visible material on tires/undercarriage will be removed prior to entering the premises, with every effort made to not spray the feedstuffs (hay, silage, grain) carried by the vehicle. Once visible material has been removed, the harvest vehicles/equipment drive directly to the feed storage area. The drive path is cleaned and disinfected after harvest/feed delivery is complete, ensuring run-off/effluent does not enter animal housing, waterways, or traffic areas within the LOS. Once the area is C&Ded, the LOS is re-established as it was prior to harvest.

Personnel

Prior to Arriving at the Operation

The Biosecurity Manager ensure that everyone crossing the LOS on foot or exiting their vehicle inside the LOS has been instructed to arrive at the operation

- with a clean vehicle interior (free of all animal manure/excrement) that has not become contaminated by soiled clothes, footwear, or other items
- having showered and wearing clean clothing and footwear since last contacting susceptible animals.
 - For individuals that work with animals and live on-site, showering and changing into clean clothing/footwear before leaving the house is required.

- For individuals living off-site, after showering and changing into clean clothes and footwear, they must NOT contact animals, live or dead, or facilities where they are held prior to arrival at the operation.

Essential personnel who will need to cross the LOS during an FMD outbreak include:

- Employees
- Beef service people
- Veterinarian

These individuals have a signed Employee and Visitor Arrival Agreement on file agreeing to follow our biosecure entry procedures (described below).

Entry Logbook

Everyone crossing the LOS Access Point(s) completes the entry logbook, which is located controlled access point , unless they are a scheduled worker.

The entry logbook is monitored by Danelle Weddle on the operation to ensure accurate completion.

The contact information and work schedule records for all workers are maintained and posted controlled access point .

Biosecure Entry Procedure

All individuals **crossing the LOS** on this operation must:

- Ensure that the inside of their off-site (not farm-dedicated) vehicle is clean (free of all animal manure/excrement) prior to arrival and has not become contaminated by soiled clothes, footwear, or other items.
- Ensure they have showered and changed into clean clothes and footwear prior to arrival on the operation.
 - For individuals that work with the animals and live on-site, showering and changing into clean clothing/footwear before leaving the house is required.
 - For individuals living off-site, after showering and changing into clean clothes and footwear, they must NOT contact animals, live or dead, or facilities where they are held prior to arrival at the operation.
- Put on operation-dedicated clothing and footwear at the LOS Access Point, OR
- Put on clean coveralls/protective outerwear and disposable or disinfectable footwear at the LOS Access Point, when they exit their off-site vehicle on the cattle side of the LOS or prior to stepping into the cab of the farm-dedicated vehicle; AND
- Ensure hands are clean
- Sign the Employee and Visitor Arrival Agreement verifying they have been informed of these biosecurity protocols and will abide them. The signed agreements are available upon request.

All **non-animal handlers** and those remaining away from animal areas on this operation must:

- Wear operation dedicated footwear, OR
- Wear disposable or disinfectable footwear; AND
- Ensure hands are clean
 - Wash hands and/or wear disposable or disinfectable gloves over clean hands

Biosecure Exit Procedure

Individuals crossing the LOS to the non-cattle side must exit through the LOS Access Point and remove protective outerwear, disposable footwear, and gloves. Hands may be washed at the LOS Access Point.

All soiled clothing are bagged, laundry done at farm.

All soiled footwear remain at farm office.

Animal Movement

Incoming Animals

Animals come only from sources with documented biosecurity practices that align with this operation's biosecurity practices. The animal caretakers on the farms of origin are trained to look for signs of FMD. The incoming animals have no current or previous evidence of FMD infection.

Pre-movement Isolation Period

- We do not accept animals from operations within an FMD Control Area.

Contingency Plan for Interrupted Animal Movement

In the event animal movement is stopped for several weeks, this is our plan for managing animals in a biosecure manner:

- ✓ Cull cattle will be humanely euthanized and properly disposed of on the operation (described under Carcass Disposal below).
- ✓ Housing, feed, feeding and healthcare equipment, and trained individuals are available for 800 head of cattle for a period of 5 days. A contingency plan has been established for ration formulation, transport and market of cattle that would otherwise be moved to a different operation in the event of a movement restriction.

Loading/Unloading Animals

Animals arriving at or leaving the operation only move in one direction across the LOS at an Access Point labeled on the premises map at the end of this plan. The animal loading/unloading area is NOT a people entry point. All areas inside the LOS that become contaminated by personnel or animals loading are cleaned and effectively disinfected by trained personnel after loading is complete. The SOP for the C&D process is available upon request.

The following individuals have received documented training in proper selection and use of personal protective equipment, the principles of C&D to avoid introducing FMD virus to the operation, and are able to effectively C&D the loading area:

- Abbey Smith
- Danelle Weddle
- Stan Lee

Animal Products

Semen, Embryos

The Biosecurity Manager will ensure that any semen or embryos collected after FMD has been diagnosed in the U.S. and introduced to this operation come only from sources with documented, enhanced biosecurity practices and have no current or previous evidence of FMD infection.

- Semen and embryos must be held and frozen at the source herd for 14 days after collection, and animals re-evaluated for signs of FMD after the 14 days before shipping.
- Semen and embryos are transported in containers whose exteriors can be cleaned and effectively disinfected as it crosses the LOS
- The source herd must document Active Observational Surveillance for at least 14 days prior to movement of product.

Feeding Dairy Products

Cattle on the operation:

- Are fed dairy products (e.g., whey) that have been treated to OIE recommendation for inactivation of FMD virus for animal consumption.

Carcass Disposal

In an FMD outbreak, dead animals (normal mortality numbers) are disposed of by composting which prevents the attraction of wildlife, rodents, and other scavengers, and is in accordance with state and federal laws

- ✓ Rendering trucks and other vehicles hauling dead animals to a common disposal site do not cross the LOS.

In the event of a large number of mortalities unrelated to FMD infection (toxicity, heat stress, etc.), dead animals will be disposed of by burial which also prevents the attraction of wildlife, rodents, and other scavengers, and is in accordance with state and federal laws.

Manure Management

Manure is stored lagoon and compost

In the event of a prolonged outbreak, we can store manure for 1 month. After that time, the method for manure removal is irrigation. This will prevent exposure of susceptible animals and meet state, local and Responsible Regulatory Officials regulations.

- ✓ Operation-specific dedicated manure handling equipment is used and equipment is not shared with other operations unless absolutely necessary

Rodent, Wildlife and Other Animal Control

The following control measures are in place to minimize interaction between cattle and other animals (deer, feral pigs, rodents, dogs, cats, etc.)

- ✓ This operation utilizes bait to discourage rodent movement and has designated Abbey as the rodent control monitor responsible for implementing the rodent control plan. Bait is checked weekly by Abbey and replaced as needed. This protocol is in accordance with state and local regulations for controlling rodents.
- ☒ Weeding and grass control is done around animal housing areas 3-4 times per season.
- ☒ The sanitation of general office areas is completed weekly.
- ☒ Trash is removed every week. In an outbreak, the garbage truck would not cross the LOS.
- ☒ Feed spills are cleaned up immediately by feed manager.
- ☒ We are unable to prevent wildlife access to livestock on this operation.
- ☒ Dogs, cats, and other pets are NOT allowed to roam between operations during an outbreak.

Feed

Grain and feed commodities are delivered in trailers that are covered during transport.

In an outbreak, feed trucks delivering feedstuffs or finished feed would

- ✓ Auger feed across the LOS into a farm vehicle/feed wagon located on-site.

Feed spills are cleaned up as soon as possible to minimize attraction of wildlife and rodents.

Labeled Premises Map

Guidance for creating a premises map (satellite images are preferable) can be found in Appendix A of the SBS Information Manual for Enhanced Biosecurity for FMD Prevention: Cattle on Pasture.

Premises Address: 123456 Cattle Lane, Bridgetown, WY 60345

PIN: 999XXXX

