

Operation Inputs/Outputs Worksheet: Contingency Plans for Movements



PURPOSES: 1) Evaluate the normal frequency of inputs/outputs, 2) consider options that would keep movements “off-farm” or outside the Line of Separation* (LOS) as much as possible, 3) decide if less frequent movements could be part of your contingency plan to decrease the risk of disease entry or spread by vehicles, equipment, and other items to care for sheep, and 4) describe contingencies in your Secure Sheep and Wool Supply enhanced biosecurity plan.

WHY: Items moving on and off the operation are essential for business. They can also spread disease unless biosecurity steps are in place. In a foreign animal disease outbreak, protecting sheep from exposure is critical. This may involve setting up a cleaning and disinfection (C&D) station for all vehicles, equipment, and deliveries crossing the LOS. C&D is time and resource intense. Design a contingency plan that minimizes the number of vehicles, equipment, deliveries, and removals that must undergo C&D. As movements and travel paths are planned, this helps determine the most practical LOS placement to protect sheep. This worksheet can help you create your labeled premises map in your enhanced biosecurity plan.

EXAMPLES: Could you modify the travel path to keep the item/vehicle “outside” the LOS? (e.g., have a dedicated path for not crossing paths with on-farm vehicles/animals; move the garbage bin to the edge of the LOS so the truck can pick it up without crossing; auger grain across the LOS into a farm wagon that remains inside the LOS, etc.) Could the movement be less frequent? (e.g., grain deliveries every 2 weeks instead of weekly; expand manure storage within environmental regulations to decrease the need to haul/apply; receive two months’ worth of bedding instead of one, etc.) Describe these steps in your enhanced biosecurity plan.

	Inputs/Outputs	Normal frequency of input/output	Stay outside LOS*?	Contingency plan frequency
Animals and Animal Products	Incoming sheep	☐ Daily ☐ Weekly ☐ Monthly ☐ Annually ☐ Does not occur	☐ Yes – describe _____ ☐ No – will C&D	☐ No change ☐ Few days (2-6 days) ☐ Bi-weekly ☐ Monthly ☐ Yearly
	Outgoing sheep	☐ Daily ☐ Weekly ☐ Monthly ☐ Annually ☐ Does not occur	☐ Yes – describe _____ ☐ No – will C&D	☐ No change ☐ Few days (2-6 days) ☐ Bi-weekly ☐ Monthly ☐ Yearly
	Checking flocks/bands with horse, ATV, etc.	☐ More than once/day ☐ Daily ☐ Every other day ☐ Weekly	☐ Yes – describe _____ ☐ No – will C&D	☐ No change ☐ Few days (2-6 days)
	Moving sheep to new pasture/rangeland/public lands	☐ Weekly ☐ Every other week ☐ Monthly ☐ Seasonal ☐ Does not occur	☐ Yes – describe _____ ☐ No – will C&D	☐ No change ☐ Every other week ☐ Monthly
	Dead animal removal	☐ Daily ☐ Weekly ☐ Monthly ☐ Annually ☐ Does not occur	☐ Yes – describe _____ ☐ No – will C&D	☐ No change ☐ Few days (2-6 days) ☐ Bi-weekly ☐ Monthly ☐ Yearly ☐ Compost on site

*Line of Separation (LOS): a clearly identified boundary around or within a premises to separate off-farm traffic from on-farm movements of vehicles, people, and animals to limit movement of virus into areas where susceptible animals can be exposed.

	Inputs/Outputs	Normal frequency of input/output	Stay outside LOS*?	Contingency plan frequency
	Manure removal	☐ Daily ☐ Weekly ☐ Monthly ☐ Annually ☐ Does not occur	☐ Yes – describe _____ ☐ No – will C&D	☐ No change ☐ Few days (2-6 days) ☐ Bi-weekly ☐ Monthly ☐ Yearly ☐ Compost on site
Feedstuffs, Bedding, and Compost	Feed commodity, supplement delivery (bulk ingredients, bagged feed, liquid feed, minerals, salt, others _____)	☐ Daily ☐ Every other day ☐ Weekly ☐ Bi-weekly ☐ Monthly	☐ Yes – describe _____ ☐ No – will C&D	☐ No change ☐ Few days (2-6 days) ☐ Bi-weekly ☐ Monthly ☐ Yearly
	Feedstuffs stored on one premises with livestock, delivered to another (silage, hay, grain)	☐ Daily ☐ Every other day ☐ Weekly ☐ Monthly ☐ Annually ☐ Does not occur	☐ Yes – describe _____ ☐ No – will C&D	☐ No change ☐ Few days (2-6 days) ☐ Bi-weekly ☐ Monthly ☐ Annually
	Mixed ration made on one premises, delivered to another (pastured sheep, etc.)	☐ More than once/day ☐ Daily ☐ Every other day ☐ Does not occur	☐ Yes – describe _____ ☐ No – will C&D	☐ No change ☐ Few days (2-6 days) ☐ Bi-weekly
	Feed harvest (silage, hay, grain)	☐ Monthly ☐ Seasonally ☐ Annually	☐ Yes – describe _____ ☐ No – will C&D	☐ No change ☐ Seasonally ☐ Annually
	Water delivery to animals	☐ More than once/day ☐ Daily ☐ Every other day ☐ Weekly ☐ Does not occur	☐ Yes – describe _____ ☐ No – will C&D	☐ No change ☐ Few days (2-6 days) ☐ Weekly ☐ Bi-weekly
	Bedding and composting inputs	☐ Daily ☐ Weekly ☐ Monthly ☐ Annually ☐ Does not occur	☐ Yes – describe _____ ☐ No – will C&D	☐ No change ☐ Few days (2-6 days) ☐ Bi-weekly ☐ Monthly ☐ Annually
Deliveries & Removals	Fuel delivery	☐ Daily ☐ Weekly ☐ Monthly ☐ Bi-monthly	☐ Yes – describe _____ ☐ No – will C&D	☐ No change ☐ Few days (2-6 days) ☐ Bi-weekly ☐ Monthly ☐ Annually
	Propane delivery	☐ Daily ☐ Weekly ☐ Monthly ☐ Bi-monthly	☐ Yes – describe _____ ☐ No – will C&D	☐ No change ☐ Few days (2-6 days) ☐ Bi-weekly ☐ Monthly ☐ Annually

*Line of Separation (LOS): a clearly identified boundary around or within a premises to separate off-farm traffic from on-farm movements of vehicles, people, and animals to limit movement of virus into areas where susceptible animals can be exposed.

	Inputs/Outputs	Normal frequency of input/output	Stay outside LOS*?	Contingency plan frequency
	Mail/package deliveries (supplies, pharmaceutical)	☐ Daily ☐ Weekly ☐ Monthly ☐ Annually	☐ Yes – describe _____ ☐ No – will C&D	☐ No change ☐ Few days (2-6 days) ☐ Bi-weekly ☐ Monthly ☐ Annually
	Garbage and recycling removal	☐ Daily ☐ Weekly ☐ Monthly ☐ Does not occur	☐ Yes – describe _____ ☐ No – will C&D	☐ No change ☐ Few days (2-6 days) ☐ Bi-weekly ☐ Monthly
Personnel	Farm personnel/ employees from off-site	☐ Daily	☐ Yes – describe _____ ☐ No – biosecure entry steps	☐ No change
	Visitors that are not service providers	☐ Daily ☐ Weekly ☐ Monthly ☐ Annually ☐ Does not occur	☐ Yes – describe _____ ☐ No – biosecure entry steps	☐ No change ☐ Exclude
	Service providers with animal contact (sheering, treating, branding, vaccinating, veterinarian, AI/ET, nutritionist, etc.)	☐ Daily ☐ Weekly ☐ Monthly ☐ Annually	☐ Yes – describe _____ ☐ No – biosecure entry steps	☐ No change ☐ Few days (2-6 days) ☐ Bi-weekly ☐ Monthly ☐ Annually
	Service providers accessing animal areas (electricians, maintenance, pest control – insects, birds, rodents, etc.)	☐ Daily ☐ Weekly ☐ Monthly ☐ Annually	☐ Yes – describe _____ ☐ No – biosecure entry steps	☐ No change ☐ Few days (2-6 days) ☐ Bi-weekly ☐ Monthly ☐ Annually
	Recreationalists/ hunters entering pastures/rangeland with sheep	☐ Daily ☐ Weekly ☐ Monthly ☐ Seasonally	☐ Yes – describe _____ ☐ No – biosecure entry steps	☐ No change ☐ Can stop access on private lands, not public
Other	Grounds keeping equipment entering premises (skid loaders, mowers, snow removal)	☐ Daily (seasonal) ☐ Weekly (seasonal) ☐ Months (list: _____)	☐ Yes – describe _____ ☐ No – will C&D	☐ No change ☐ Few days (2-6 days) ☐ Bi-weekly ☐ Monthly ☐ On site equipment
	Other _____ (e.g., access to break room, maintenance shop, residence, etc.)	☐ Daily ☐ Weekly ☐ Monthly ☐ Annually	☐ Yes – describe _____ ☐ No – will C&D	☐ No change ☐ Can exclude
	Other _____ (e.g., farm store, hay/produce/fruit/ nut sales, agritourism, etc.)	☐ Daily ☐ Weekly ☐ Monthly ☐ Seasonally ☐ Annually	☐ Yes – describe _____ ☐ No – will C&D	☐ No change ☐ Can exclude

*Line of Separation (LOS): a clearly identified boundary around or within a premises to separate off-farm traffic from on-farm movements of vehicles, people, and animals to limit movement of virus into areas where susceptible animals can be exposed.