

# 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
<b>Animals and Animal Products</b>	Incoming sheep	<input type="checkbox"/> Daily <input type="checkbox"/> Weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Seasonally <input type="checkbox"/> Annually <input type="checkbox"/> Does not occur	<input type="checkbox"/> Yes – describe  <hr/> <input type="checkbox"/> No – will C&D	<input type="checkbox"/> Stop incoming sheep <input type="checkbox"/> No change <input type="checkbox"/> Few days (2-6 days) <input type="checkbox"/> Bi-weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Yearly
	Outgoing sheep	<input type="checkbox"/> Daily <input type="checkbox"/> Weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Seasonally <input type="checkbox"/> Annually <input type="checkbox"/> Does not occur	<input type="checkbox"/> Yes – describe  <hr/> <input type="checkbox"/> No – will C&D	<input type="checkbox"/> Stop outgoing sheep <input type="checkbox"/> No change <input type="checkbox"/> Few days (2-6 days) <input type="checkbox"/> Bi-weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Yearly
	Germplasm (semen, embryos)	<input type="checkbox"/> Twice a year <input type="checkbox"/> Annually <input type="checkbox"/> Does not occur	<input type="checkbox"/> Yes – describe  <hr/> <input type="checkbox"/> No – will C&D	<input type="checkbox"/> No change <input type="checkbox"/> Annually
	Dairy Products (fresh, frozen colostrum, milk replacer, fresh milk)	<input type="checkbox"/> Seasonally <input type="checkbox"/> Annually <input type="checkbox"/> Does not occur	<input type="checkbox"/> Yes – describe  <hr/> <input type="checkbox"/> No – will C&D	<input type="checkbox"/> No change <input type="checkbox"/> Stop using fresh, unpasteurized
	Dead animal removal	<input type="checkbox"/> Daily <input type="checkbox"/> Weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Seasonally <input type="checkbox"/> Annually <input type="checkbox"/> Does not occur	<input type="checkbox"/> Yes – describe  <hr/> <input type="checkbox"/> No – will C&D	<input type="checkbox"/> No change <input type="checkbox"/> Few days (2-6 days) <input type="checkbox"/> Bi-weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Yearly/Seasonally <input type="checkbox"/> 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	<input type="checkbox"/> Daily <input type="checkbox"/> Weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Seasonally <input type="checkbox"/> Annually <input type="checkbox"/> Does not occur	<input type="checkbox"/> Yes – describe <hr/> <input type="checkbox"/> No – will C&D	<input type="checkbox"/> No change <input type="checkbox"/> Few days (2-6 days) <input type="checkbox"/> Bi-weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Yearly/Seasonally <input type="checkbox"/> Compost on site
<b>Feedstuffs, Bedding, and Compost</b>	Feed commodity, supplement delivery (hay bales, bulk ingredients, bagged feed, liquid feed, minerals, salt, others _____)	<input type="checkbox"/> Daily <input type="checkbox"/> Every other day <input type="checkbox"/> Weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Annually/ Seasonally <input type="checkbox"/> Does not occur	<input type="checkbox"/> Yes – describe <hr/> <input type="checkbox"/> No – will C&D	<input type="checkbox"/> No change <input type="checkbox"/> Few days (2-6 days) <input type="checkbox"/> Bi-weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Seasonally
	Feedstuffs stored on one premises with livestock, delivered to another (silage, hay, grain)	<input type="checkbox"/> Daily <input type="checkbox"/> Every other day <input type="checkbox"/> Weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Annually/ Seasonally <input type="checkbox"/> Does not occur	<input type="checkbox"/> Yes – describe <hr/> <input type="checkbox"/> No – will C&D	<input type="checkbox"/> No change <input type="checkbox"/> Few days (2-6 days) <input type="checkbox"/> Bi-weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Seasonally
	Mixed ration made on one premises, delivered to another (pastured sheep, etc.)	<input type="checkbox"/> More than once/day <input type="checkbox"/> Daily <input type="checkbox"/> Every other day <input type="checkbox"/> Does not occur	<input type="checkbox"/> Yes – describe <hr/> <input type="checkbox"/> No – will C&D	<input type="checkbox"/> No change <input type="checkbox"/> Few days (2-6 days) <input type="checkbox"/> Bi-weekly <input type="checkbox"/> Monthly
	Feed harvest (silage, hay, grain)	<input type="checkbox"/> Monthly <input type="checkbox"/> Seasonally <input type="checkbox"/> Annually <input type="checkbox"/> Other _____	<input type="checkbox"/> Yes – describe <hr/> <input type="checkbox"/> No – will C&D	<input type="checkbox"/> No change <input type="checkbox"/> Seasonally <input type="checkbox"/> Annually
	Water delivery to animals	<input type="checkbox"/> More than once/day <input type="checkbox"/> Daily <input type="checkbox"/> Every other day <input type="checkbox"/> Weekly <input type="checkbox"/> Does not occur	<input type="checkbox"/> Yes – describe <hr/> <input type="checkbox"/> No – will C&D	<input type="checkbox"/> No change <input type="checkbox"/> Few days (2-6 days) <input type="checkbox"/> Bi-weekly <input type="checkbox"/> Monthly
	Bedding and composting inputs	<input type="checkbox"/> Daily <input type="checkbox"/> Weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Seasonally <input type="checkbox"/> Annually <input type="checkbox"/> Does not occur	<input type="checkbox"/> Yes – describe <hr/> <input type="checkbox"/> No – will C&D	<input type="checkbox"/> No change <input type="checkbox"/> Few days (2-6 days) <input type="checkbox"/> Bi-weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Annually
<b>Deliveries</b>	Fuel delivery	<input type="checkbox"/> Daily <input type="checkbox"/> Weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Choose an item. Times per year <input type="checkbox"/> Annually <input type="checkbox"/> Does not occur	<input type="checkbox"/> Yes – describe <hr/> <input type="checkbox"/> No – will C&D	<input type="checkbox"/> No change <input type="checkbox"/> Few days (2-6 days) <input type="checkbox"/> Bi-weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Annually

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	Inputs/Outputs	Normal frequency of input/output	Stay outside LOS*?	Contingency plan frequency
<b>Deliveries &amp; Removals</b>	Propane delivery	<input type="checkbox"/> Daily <input type="checkbox"/> Weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Choose an item. Times per year <input type="checkbox"/> Annually <input type="checkbox"/> Does not occur	<input type="checkbox"/> Yes – describe  <hr/> <input type="checkbox"/> No – will C&D	<input type="checkbox"/> No change <input type="checkbox"/> Few days (2-6 days) <input type="checkbox"/> Bi-weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Annually
	Mail/package deliveries (supplies, pharmaceutical)	<input type="checkbox"/> Daily <input type="checkbox"/> Weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Annually <input type="checkbox"/> Does not occur	<input type="checkbox"/> Yes – describe  <hr/> <input type="checkbox"/> No – will C&D	<input type="checkbox"/> No change <input type="checkbox"/> Few days (2-6 days) <input type="checkbox"/> Bi-weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Annually
	Garbage and recycling removal	<input type="checkbox"/> Daily <input type="checkbox"/> Weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Does not occur	<input type="checkbox"/> Yes – describe  <hr/> <input type="checkbox"/> No – will C&D	<input type="checkbox"/> No change <input type="checkbox"/> Few days (2-6 days) <input type="checkbox"/> Bi-weekly <input type="checkbox"/> Monthly
<b>Personnel</b>	Farm personnel/ employees from off-site	<input type="checkbox"/> Daily <input type="checkbox"/> Seasonally <input type="checkbox"/> Does not occur	<input type="checkbox"/> Yes – describe  <hr/> <input type="checkbox"/> No – will C&D	<input type="checkbox"/> No change <input type="checkbox"/> Exclude
	Visitors that are not service providers	<input type="checkbox"/> Daily <input type="checkbox"/> Weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Annually <input type="checkbox"/> Does not occur	<input type="checkbox"/> Yes – describe  <hr/> <input type="checkbox"/> No – will C&D	<input type="checkbox"/> No change <input type="checkbox"/> Exclude
	Service providers with animal contact (shearing, treating, branding, vaccinating, veterinarian, AI/ET technicians, nutritionist, etc.)	<input type="checkbox"/> Daily <input type="checkbox"/> Weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Seasonally <input type="checkbox"/> Annually <input type="checkbox"/> Does not occur	<input type="checkbox"/> Yes – describe  <hr/> <input type="checkbox"/> No – will C&D	<input type="checkbox"/> No change <input type="checkbox"/> Few days (2-6 days) <input type="checkbox"/> Bi-weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Annually
	Service providers accessing animal areas (electricians, maintenance, pest control – insects, birds, rodents, etc.)	<input type="checkbox"/> Daily <input type="checkbox"/> Weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Seasonally <input type="checkbox"/> Annually <input type="checkbox"/> Does not occur	<input type="checkbox"/> Yes – describe  <hr/> <input type="checkbox"/> No – will C&D	<input type="checkbox"/> No change <input type="checkbox"/> Few days (2-6 days) <input type="checkbox"/> Bi-weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Annually
	Recreationalists/ hunters entering pastures/allotments with sheep	<input type="checkbox"/> Daily <input type="checkbox"/> Weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Seasonally <input type="checkbox"/> Annually <input type="checkbox"/> Does not occur	<input type="checkbox"/> Yes – describe  <hr/> <input type="checkbox"/> No – will C&D	<input type="checkbox"/> No change <input type="checkbox"/> Can stop access on private lands but not public lands
<b>Other</b>	Checking flocks, bands, pens with horse, ATV, etc.	<input type="checkbox"/> More than once/day <input type="checkbox"/> Daily <input type="checkbox"/> Every other day <input type="checkbox"/> Weekly <input type="checkbox"/> Does not occur	<input type="checkbox"/> Yes – describe  <hr/> <input type="checkbox"/> No – will C&D	<input type="checkbox"/> No change <input type="checkbox"/> Few days (2-6 days)

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	Inputs/Outputs	Normal frequency of input/output	Stay outside LOS*?	Contingency plan frequency
<b>Other</b>	Moving sheep to new pasture, allotment	<input type="checkbox"/> Weekly <input type="checkbox"/> Every other week <input type="checkbox"/> Monthly <input type="checkbox"/> Seasonally <input type="checkbox"/> Does not occur	<input type="checkbox"/> Yes – describe <hr/> <input type="checkbox"/> No – will C&D	<input type="checkbox"/> No change <input type="checkbox"/> Every other week <input type="checkbox"/> Monthly <input type="checkbox"/> Seasonally
	Grounds keeping equipment entering premises (skid loaders, mowers, snow removal)	<input type="checkbox"/> Daily (seasonal) <input type="checkbox"/> Weekly (seasonal) <input type="checkbox"/> Months (list: _____)	<input type="checkbox"/> Yes – describe <hr/> <input type="checkbox"/> No – will C&D	<input type="checkbox"/> No change <input type="checkbox"/> Few days (2-6 days) <input type="checkbox"/> Bi-weekly <input type="checkbox"/> Monthly <input type="checkbox"/> On site equipment
	Other _____ (e.g., access to break room, maintenance shop, residence, etc.)	<input type="checkbox"/> Daily <input type="checkbox"/> Weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Annually	<input type="checkbox"/> Yes – describe <hr/> <input type="checkbox"/> No – will C&D	<input type="checkbox"/> No change <input type="checkbox"/> Exclude
	Other _____ (e.g., farm store, hay/produce/fruit/nut sales, agritourism, etc.)	<input type="checkbox"/> Daily <input type="checkbox"/> Weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Seasonally <input type="checkbox"/> Annually	<input type="checkbox"/> Yes – describe <hr/> <input type="checkbox"/> No – will C&D	<input type="checkbox"/> No change <input type="checkbox"/> Exclude

Use this area to describe any other movements not listed above, explain seasonal movements, or other details that will help determine the best location for the Line of Separation (LOS) and contingency plans in the event of an FMD outbreak.

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