

Site Input/Output Considerations

Managing risks for inputs and outputs



Purpose of this document: Assist producers and biosecurity managers

think through the frequency and risk of moving inputs onto and outputs off of a production site.

Applying biosecurity measures is critical when inputs are entering a site and outputs leaving a site. Review the current inputs and outputs for a site to determine the biosecurity measures to be utilized to reduce the risk of that input entering the site or output leaving a site. Decide if some routine movements could be modified. For example, moving the garbage bin outside of the Perimeter Buffer Area (PBA) so the garbage truck can pick it up without crossing into the PBA. Can a movement occur less frequently? The last column helps with contingency planning. If movements are limited, determine how long you can go without certain inputs, and if some movements can occur less frequently.

	Inputs/Outputs	Frequency of input/output	Movement Risk	How long could you go without this movement?
Animals and animal products	Incoming animals (weaned pigs, replacement gilts)	☐ Daily ☐ Weekly ☐ Monthly ☐ Annually	☐ High ☐ Medium ☐ Low	☐ One day? ☐ Few days (2-6 days)? ☐ Week? ☐ Month? ☐ Year?
	Outgoing animals (finishing pigs, weaned pigs, cull sows)	☐ Daily ☐ Weekly ☐ Monthly	☐ High ☐ Medium ☐ Low	☐ One day? ☐ Few days (2-6 days)? ☐ Week? ☐ Month?
	Semen delivery or shipment	☐ Daily ☐ Weekly ☐ Monthly ☐ Does not occur	☐ High ☐ Medium ☐ Low	☐ One day? ☐ Few days (2-6 days)? ☐ Week? ☐ Month?
	Dead animal removal	☐ Daily ☐ Weekly ☐ Monthly	☐ High ☐ Medium ☐ Low	☐ One day? ☐ Few days (2-6 days)? ☐ Week? ☐ Month?
	Manure removal	☐ Monthly ☐ Annually	☐ High ☐ Medium ☐ Low	☐ Few days (2-6 days)? ☐ Week? ☐ Month?
Deliveries	Carbon source if composting onsite	☐ Weekly ☐ Monthly ☐ Annually ☐ Does not occur	☐ High ☐ Medium ☐ Low	☐ Few days (2-6 days)? ☐ Week? ☐ Month? ☐ Year?
	Fuel, propane, or CO2 delivery	☐ Monthly ☐ Annually ☐ Does not occur	☐ High ☐ Medium ☐ Low	☐ Few days (2-6 days)? ☐ Week?
	Deliveries (Supplies, Pharmaceutical, etc.)	☐ Daily ☐ Weekly ☐ Monthly	☐ High ☐ Medium ☐ Low	☐ One day? ☐ Few days (2-6 days)? ☐ Week? ☐ Month?

Employees, visitors, other personnel

Feedstuffs

Inputs/Outputs	Frequency of input/output	Movement Risk	How long could you go without this movement?
Farm personnel/employees	☐ Daily	☐ High ☐ Medium ☐ Low	☐ Cannot go without this movement
Visitors that are not service providers	☐ Weekly ☐ Monthly ☐ Annually ☐ Not allowed	☐ High ☐ Medium ☐ Low	☐ Can exclude?
Service providers (maintenance personnel, electricians, consulting vets, nutritionist, AI techs, vaccination crew, pest control, etc.)	☐ As needed ☐ Daily ☐ Weekly ☐ Monthly	☐ High ☐ Medium ☐ Low	☐ One day? ☐ Few days (2-6 days)? ☐ Week? ☐ Month? ☐ Year?
Feed commodity delivery (bulk ingredients)	☐ More than once/day ☐ Daily ☐ Every other day ☐ Once per week ☐ Do not use	☐ High ☐ Medium ☐ Low	☐ One day? ☐ Few days (2-6 days)? ☐ Week? ☐ Month?
Ration (mixed feed, bagged feed) delivery to animals onsite	☐ More than once/day ☐ Daily ☐ Every other day ☐ Once per week	☐ High ☐ Medium ☐ Low	☐ One day? ☐ Few days (2-6 days)? ☐ Week?
Ration (mixed feed) delivery to animals off- site	☐ More than once/day ☐ Daily ☐ Every other day ☐ Does not occur	☐ High ☐ Medium ☐ Low	☐ One day? ☐ Few days (2-6 days)? ☐ Week?
Feed harvest (grain)	☐ Monthly ☐ Annually ☐ Does not occur	☐ High ☐ Medium ☐ Low	☐ Week? ☐ Month?
Garbage removal	☐ Daily ☐ Weekly ☐ Monthly	☐ High ☐ Medium ☐ Low	☐ One day? ☐ Few days (2-6 days)? ☐ Week?
Grounds keeping equipment (skid loaders, mowers, tractors)	☐ Daily ☐ Weekly ☐ Monthly	☐ High ☐ Medium ☐ Low	☐ One day? ☐ Few days (2-6 days)? ☐ Week? ☐ Month?
Residence/home (vehicle traffic, school bus, deliveries, etc.)	☐ Daily ☐ Weekly ☐ Monthly	☐ High ☐ Medium ☐ Low	☐ One day? ☐ Few days (2-6 days)? ☐ Week?
Other _____ (ex. access to break room, maintenance shop, residence, etc.)	☐ Daily ☐ Weekly ☐ Monthly ☐ Annually	☐ High ☐ Medium ☐ Low	☐ One day? ☐ Few days (2-6 days)? ☐ Week? ☐ Month? ☐ Year?