

## Appendix C: Inputs/Outputs to the Operation & Contingency Planning

C&D of vehicles crossing the LOS is time and resource intense. Carefully planning the location of the LOS based on the types, drive path, frequency, and necessity of inputs/outputs can help focus resources to minimize FMD virus entry. Decide if some movements could be modified. For example: Move your garbage bin to the edge of the LOS so the garbage truck can pick it up without crossing the LOS or auger grain across the LOS into a farm wagon that remains inside the LOS.

Below are some input/outputs that may apply to your dairy operation. Evaluating the frequency and travel path can be used to help determine LOS placement. Include the completed chart in your biosecurity plan.

The last column helps with a contingency plan. If movements were limited, determine how long you could go without certain inputs or if some movements could be less frequent and still maintain the operation.

| Inputs/Outputs   | Frequency of input/output  | Path traveled by:  | How long could you go without this movement?  |
|--|--|--|---|
| Milk truck/tanker  | <input type="checkbox"/> More than once/day<br><input type="checkbox"/> Daily<br><input type="checkbox"/> Every other day                  | <input type="checkbox"/> Onsite vehicles<br><input type="checkbox"/> Equipment<br><input type="checkbox"/> People<br><input type="checkbox"/> Animals<br><input type="checkbox"/> None | <input type="checkbox"/> One day?<br><input type="checkbox"/> Few days (2-6 days)?  |
| Feed commodity delivery (bulk ingredients, bagged feed, liquid feed)                               | <input type="checkbox"/> More than once/day<br><input type="checkbox"/> Daily<br><input type="checkbox"/> Every other day                  | <input type="checkbox"/> Onsite vehicles<br><input type="checkbox"/> Equipment<br><input type="checkbox"/> People<br><input type="checkbox"/> Animals<br><input type="checkbox"/> None | <input type="checkbox"/> One day?<br><input type="checkbox"/> Few days (2-6 days)?<br><input type="checkbox"/> Week?<br><input type="checkbox"/> Month?<br><input type="checkbox"/> Year? |
| Ration (mixed feed) delivery to cattle onsite  | <input type="checkbox"/> More than once/day<br><input type="checkbox"/> Daily<br><input type="checkbox"/> Every other day                  | <input type="checkbox"/> Onsite vehicles<br><input type="checkbox"/> Equipment<br><input type="checkbox"/> People<br><input type="checkbox"/> Animals<br><input type="checkbox"/> None | <input type="checkbox"/> One day?<br><input type="checkbox"/> Few days (2-6 days)?<br><input type="checkbox"/> Week?  |
| Ration (mixed feed) delivery to cattle off-site (heifers, dry cows, pastured cattle, steers, etc.) | <input type="checkbox"/> More than once/day<br><input type="checkbox"/> Daily<br><input type="checkbox"/> Every other day                  | <input type="checkbox"/> Onsite vehicles<br><input type="checkbox"/> Equipment<br><input type="checkbox"/> People<br><input type="checkbox"/> Animals<br><input type="checkbox"/> None | <input type="checkbox"/> One day?<br><input type="checkbox"/> Few days (2-6 days)?<br><input type="checkbox"/> Week?  |
| Feed harvest (silage, hay, grain)  | <input type="checkbox"/> Monthly<br><input type="checkbox"/> Annually  | <input type="checkbox"/> Onsite vehicles<br><input type="checkbox"/> Equipment<br><input type="checkbox"/> People<br><input type="checkbox"/> Animals<br><input type="checkbox"/> None | <input type="checkbox"/> Week?<br><input type="checkbox"/> Month?   |
| Bedding inputs   | <input type="checkbox"/> Daily<br><input type="checkbox"/> Weekly<br><input type="checkbox"/> Monthly<br><input type="checkbox"/> Annually | <input type="checkbox"/> Onsite vehicles<br><input type="checkbox"/> Equipment<br><input type="checkbox"/> People<br><input type="checkbox"/> Animals<br><input type="checkbox"/> None | <input type="checkbox"/> One day?<br><input type="checkbox"/> Few days (2-6 days)?<br><input type="checkbox"/> Week?  |

| <b>Inputs/Outputs</b>               | <b>Frequency of input/output</b>   | <b>Path traveled by:</b>   | <b>How long could you go without this movement?</b>   |
|-------------------------------------|--|--|---|
| Fuel delivery                       | <input type="checkbox"/> Daily<br><input type="checkbox"/> Weekly<br><input type="checkbox"/> Monthly<br><input type="checkbox"/> Annually | <input type="checkbox"/> Onsite vehicles<br><input type="checkbox"/> Equipment<br><input type="checkbox"/> People<br><input type="checkbox"/> Animals<br><input type="checkbox"/> None | <input type="checkbox"/> One day?<br><input type="checkbox"/> Few days (2-6 days)?<br><input type="checkbox"/> Week?  |
| Propane delivery                    | <input type="checkbox"/> Daily<br><input type="checkbox"/> Weekly<br><input type="checkbox"/> Monthly<br><input type="checkbox"/> Annually | <input type="checkbox"/> Onsite vehicles<br><input type="checkbox"/> Equipment<br><input type="checkbox"/> People<br><input type="checkbox"/> Animals<br><input type="checkbox"/> None | <input type="checkbox"/> One day?<br><input type="checkbox"/> Few days (2-6 days)?<br><input type="checkbox"/> Week?  |
| Veterinary personnel                | <input type="checkbox"/> Daily<br><input type="checkbox"/> Weekly<br><input type="checkbox"/> Monthly<br><input type="checkbox"/> Annually | <input type="checkbox"/> Onsite vehicles<br><input type="checkbox"/> Equipment<br><input type="checkbox"/> People<br><input type="checkbox"/> Animals<br><input type="checkbox"/> None | <input type="checkbox"/> One day?<br><input type="checkbox"/> Few days (2-6 days)?<br><input type="checkbox"/> Week?<br><input type="checkbox"/> Month?<br><input type="checkbox"/> Year? |
| Pharmaceutical deliveries           | <input type="checkbox"/> Daily<br><input type="checkbox"/> Weekly<br><input type="checkbox"/> Monthly<br><input type="checkbox"/> Annually | <input type="checkbox"/> Onsite vehicles<br><input type="checkbox"/> Equipment<br><input type="checkbox"/> People<br><input type="checkbox"/> Animals<br><input type="checkbox"/> None | <input type="checkbox"/> One day?<br><input type="checkbox"/> Few days (2-6 days)?<br><input type="checkbox"/> Week?<br><input type="checkbox"/> Month?<br><input type="checkbox"/> Year? |
| Mail/package deliveries             | <input type="checkbox"/> Daily<br><input type="checkbox"/> Weekly<br><input type="checkbox"/> Monthly<br><input type="checkbox"/> Annually | <input type="checkbox"/> Onsite vehicles<br><input type="checkbox"/> Equipment<br><input type="checkbox"/> People<br><input type="checkbox"/> Animals<br><input type="checkbox"/> None | <input type="checkbox"/> One day?<br><input type="checkbox"/> Few days (2-6 days)?<br><input type="checkbox"/> Week?  |
| Milking equipment service personnel | <input type="checkbox"/> Daily<br><input type="checkbox"/> Weekly<br><input type="checkbox"/> Monthly<br><input type="checkbox"/> Annually | <input type="checkbox"/> Onsite vehicles<br><input type="checkbox"/> Equipment<br><input type="checkbox"/> People<br><input type="checkbox"/> Animals<br><input type="checkbox"/> None | <input type="checkbox"/> One day?<br><input type="checkbox"/> Few days (2-6 days)?<br><input type="checkbox"/> Week?<br><input type="checkbox"/> Month?<br><input type="checkbox"/> Year? |
| Milk testing personnel              | <input type="checkbox"/> Daily<br><input type="checkbox"/> Weekly<br><input type="checkbox"/> Monthly<br><input type="checkbox"/> Annually | <input type="checkbox"/> Onsite vehicles<br><input type="checkbox"/> Equipment<br><input type="checkbox"/> People<br><input type="checkbox"/> Animals<br><input type="checkbox"/> None | <input type="checkbox"/> One day?<br><input type="checkbox"/> Few days (2-6 days)?<br><input type="checkbox"/> Week?<br><input type="checkbox"/> Month?<br><input type="checkbox"/> Year? |
| Garbage removal                     | <input type="checkbox"/> Daily<br><input type="checkbox"/> Weekly<br><input type="checkbox"/> Monthly<br><input type="checkbox"/> Annually | <input type="checkbox"/> Onsite vehicles<br><input type="checkbox"/> Equipment<br><input type="checkbox"/> People<br><input type="checkbox"/> Animals<br><input type="checkbox"/> None | <input type="checkbox"/> One day?<br><input type="checkbox"/> Few days (2-6 days)?<br><input type="checkbox"/> Week?  |
| Dead animal removal                 | <input type="checkbox"/> Daily<br><input type="checkbox"/> Weekly<br><input type="checkbox"/> Monthly<br><input type="checkbox"/> Annually | <input type="checkbox"/> Onsite vehicles<br><input type="checkbox"/> Equipment<br><input type="checkbox"/> People<br><input type="checkbox"/> Animals<br><input type="checkbox"/> None | <input type="checkbox"/> One day?<br><input type="checkbox"/> Few days (2-6 days)?<br><input type="checkbox"/> Week?<br><input type="checkbox"/> Month?<br><input type="checkbox"/> Year? |

| <b>Inputs/Outputs</b>  | <b>Frequency of input/output</b>   | <b>Path traveled by:</b>   | <b>How long could you go without this movement?</b>   |
|--|--|--|---|
| Manure removal   | <input type="checkbox"/> Daily<br><input type="checkbox"/> Weekly<br><input type="checkbox"/> Monthly<br><input type="checkbox"/> Annually | <input type="checkbox"/> Onsite vehicles<br><input type="checkbox"/> Equipment<br><input type="checkbox"/> People<br><input type="checkbox"/> Animals<br><input type="checkbox"/> None | <input type="checkbox"/> One day?<br><input type="checkbox"/> Few days (2-6 days)?<br><input type="checkbox"/> Week?<br><input type="checkbox"/> Month?<br><input type="checkbox"/> Year? |
| Incoming cattle<br>(bred heifers, pre-fresh cows, bulls, etc.) | <input type="checkbox"/> Daily<br><input type="checkbox"/> Weekly<br><input type="checkbox"/> Monthly<br><input type="checkbox"/> Annually | <input type="checkbox"/> Onsite vehicles<br><input type="checkbox"/> Equipment<br><input type="checkbox"/> People<br><input type="checkbox"/> Animals<br><input type="checkbox"/> None | <input type="checkbox"/> One day?<br><input type="checkbox"/> Few days (2-6 days)?<br><input type="checkbox"/> Week?<br><input type="checkbox"/> Month?<br><input type="checkbox"/> Year? |
| Outgoing cattle<br>(bull calves, bred heifers, dry cows, etc.) | <input type="checkbox"/> Daily<br><input type="checkbox"/> Weekly<br><input type="checkbox"/> Monthly<br><input type="checkbox"/> Annually | <input type="checkbox"/> Onsite vehicles<br><input type="checkbox"/> Equipment<br><input type="checkbox"/> People<br><input type="checkbox"/> Animals<br><input type="checkbox"/> None | <input type="checkbox"/> One day?<br><input type="checkbox"/> Few days (2-6 days)?<br><input type="checkbox"/> Week?<br><input type="checkbox"/> Month?<br><input type="checkbox"/> Year? |
| Other<br>_____   | <input type="checkbox"/> Daily<br><input type="checkbox"/> Weekly<br><input type="checkbox"/> Monthly<br><input type="checkbox"/> Annually | <input type="checkbox"/> Onsite vehicles<br><input type="checkbox"/> Equipment<br><input type="checkbox"/> People<br><input type="checkbox"/> Animals<br><input type="checkbox"/> None | <input type="checkbox"/> One day?<br><input type="checkbox"/> Few days (2-6 days)?<br><input type="checkbox"/> Week?<br><input type="checkbox"/> Month?<br><input type="checkbox"/> Year? |