Assembly Project Findings





About the Assembly Project

Objective: to assess biosecurity risk points at assembly facilities and design an exemplary facility to minimize these risks.

Previous presentations can be found on www.swinehealthontario.ca/Communicaitons/Big-Bug-Day

Funding for this project has been provided by the Government of Canada under the African Swine Fever Industry Preparedness Program



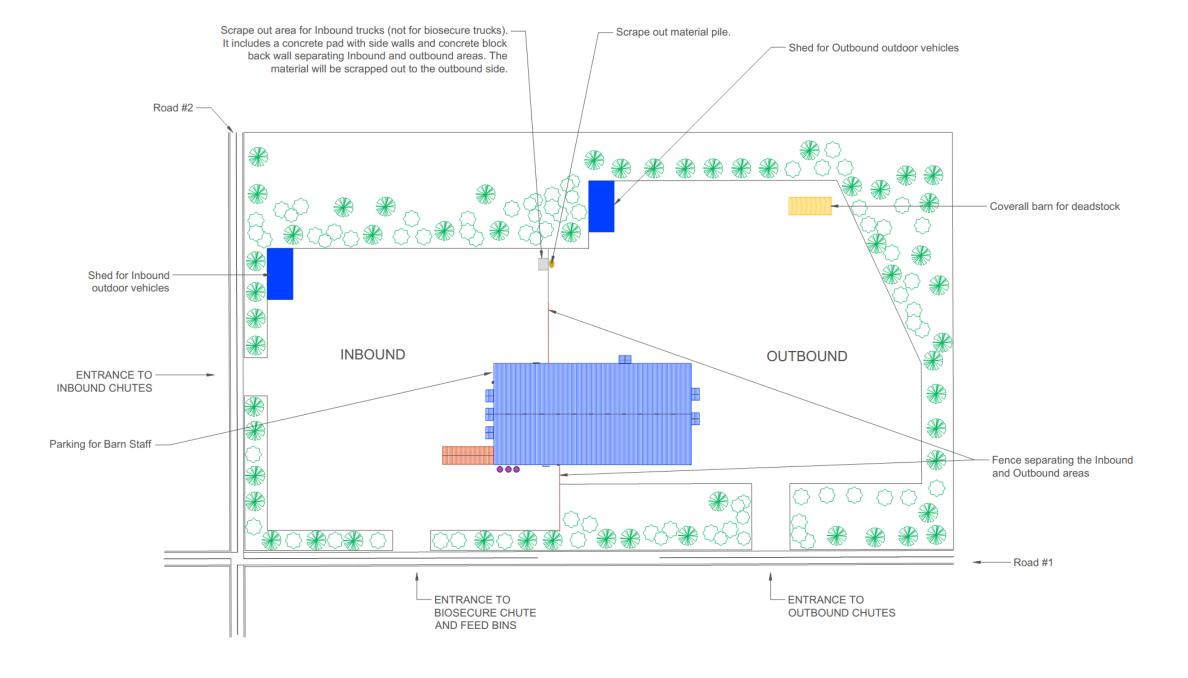


Why focus on assembly facilities?

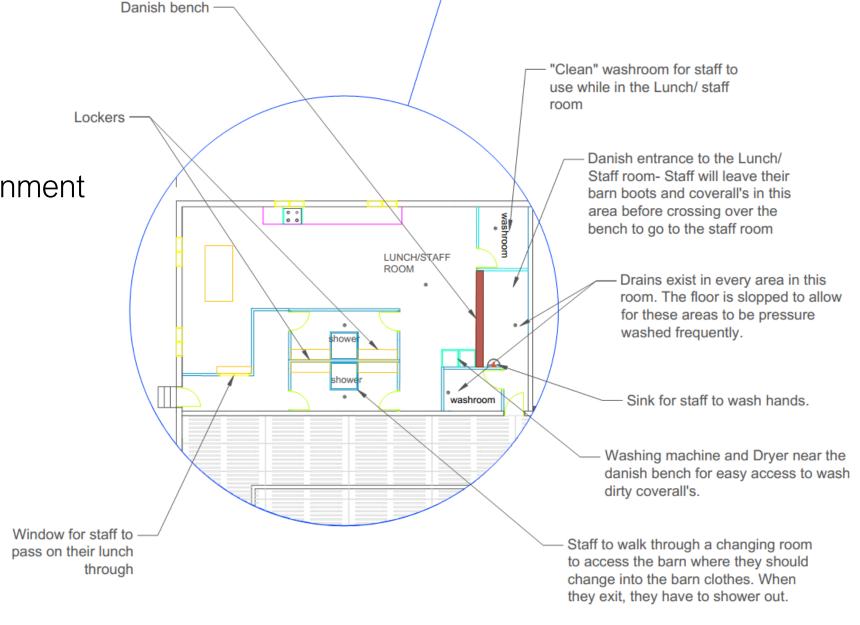


- Canada exports ~6.7 million live hogs annually¹
 - 57% were weanlings,
 - 1.5 million market hogs
 - 340,000 cull sows and boars
- The majority of the <u>340,000 Canadian cull animals</u> pass through assembly yards for sorting before slaughter in the U.S. (approx. 4,250 truck loads)
 - Most Eastern Canadian culls are assembled in Ontario
 - Manitoba also has two large assembly sites
- This cross-border transport increases the risk of disease movement between the two countries and cross contamination of Canadian facilities upon return of trailers following contact with U.S. packers.

The Assembly Site



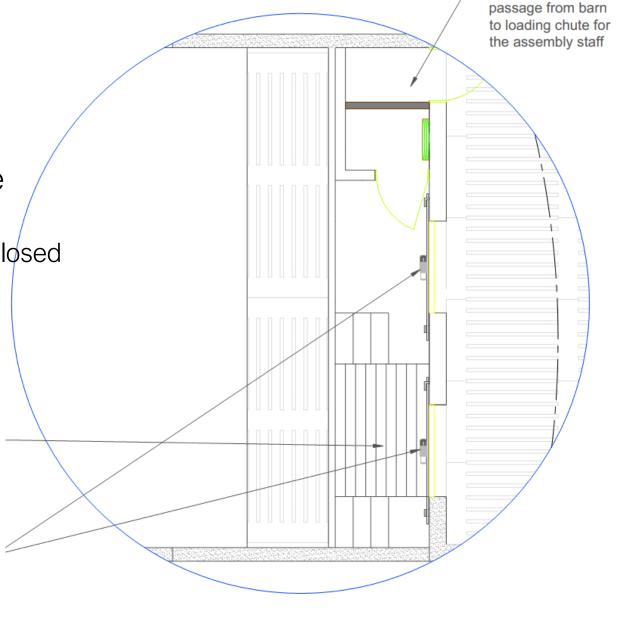
 Focus is on biocontainment not bioexclusion



Inbound Area

- Dedicated biosecure inbound chute
 - Appointment only
 - Extended chute, fully covered and enclosed
 - Heated concreate pad
- Remaining inbound chutes (3)
 - Pressure washer hose
 - Goose-neck trailer compatible
 - Slates with drainage

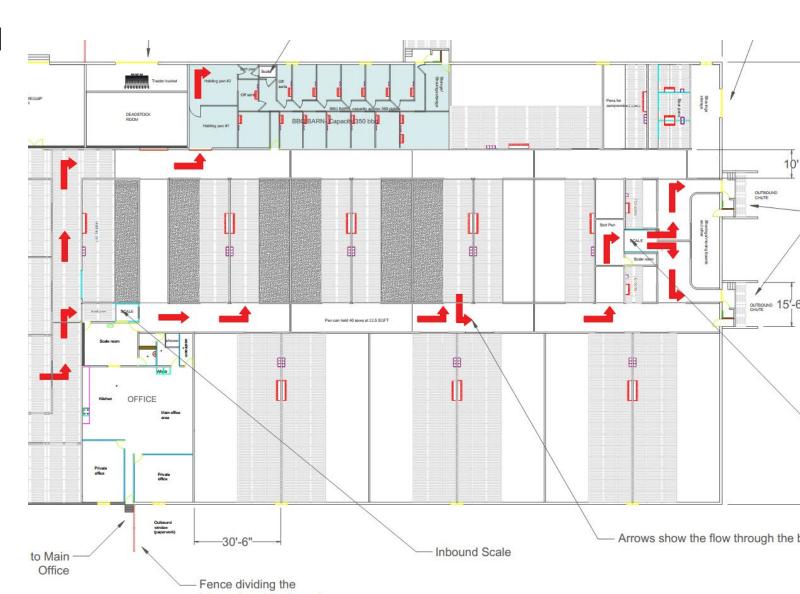
Receiving area



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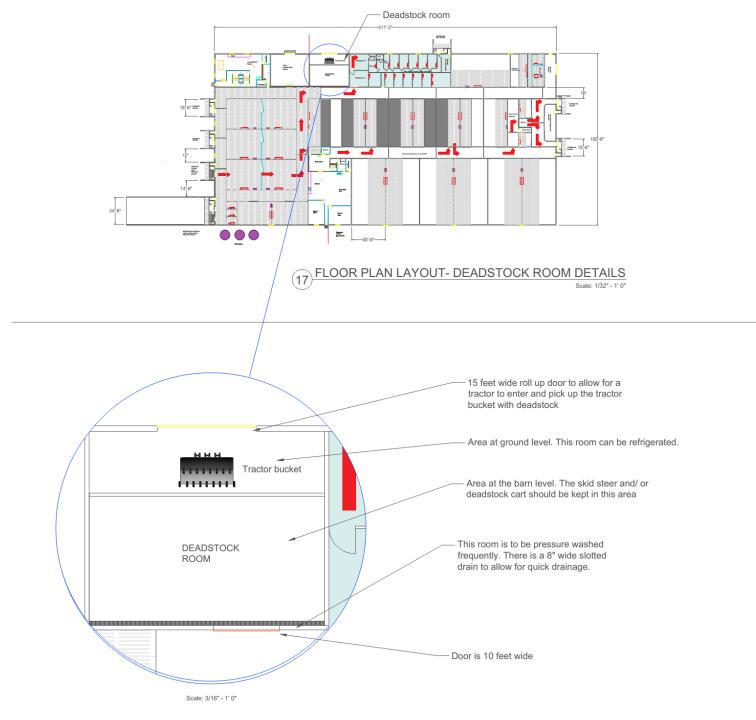
The campground – comfort for short turn around

- Partially slatted; partially solid flooring with in-floor heating
- Maximize comfort, locomotor stability and cleanability
- Animal comfort at a wide range of facility stocking densities/temperatures
- Wide aisles and large gates for small machine access



Deadstock

- Large throughput facility means larger volume of deadstock
- Efficiently accessible to all areas of the facility
- Exits into outbound (dirty) side of the yard
- Designated bins to the assembly site from rendering



BBQ outbound loading chute Scale Roll up door to receive shavings Outbound loading chutes 155'-8" очтвоимо 15'-6" Outbound Scale Arrows show the flow through the barn

Outbound Area

- Designed for marketing
 - Includes a scale and 2 chutes
 - Rest pens immediately adjacent to the loading area
- Same chute design as inbound for easy cleaning/disinfection
- Major USA contact point

Take home messages

The biosecurity improvements recommended were targeted to meet these four primary goals:

to allow delivery of cull animals at the facility in a biosecure fashion to minimize the risk of contaminating the incoming vehicle with a pathogen from the facility

to contain any pathogens present within the facility

to minimize the risk of bringing a new pathogen into Canada through cross-border trade with assembly contact

to consider modifications which could allow for cleaning and disinfection of an assembly facility should that become necessary

Thank you!

Assembly Project Team Members

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