

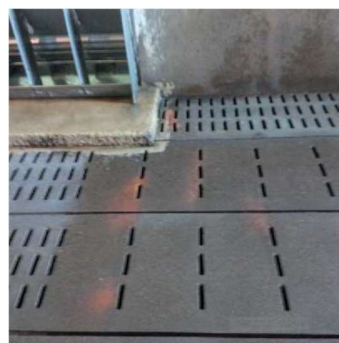
## African Swine Fever (ASF) Preparedness

### Ontario Pig Barn Cleaning Guidance and Checklist

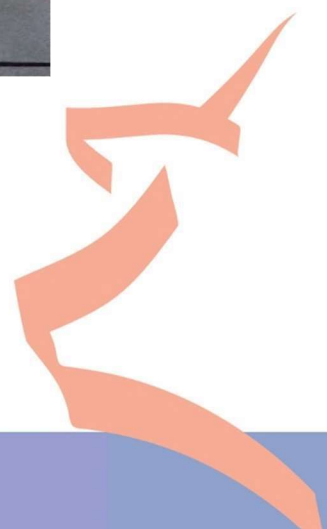
1. **Manure pits:** Ideally all manure from under-barn manure pits should be removed before cleaning and disinfection begins. Due to ASF being a foreign animal disease, permission will need to be granted from the Canadian Food Inspection Agency (CFIA) before this action is taken. If manure is removed (to the greatest extent possible), remember to replace pit plugs if applicable.
2. **Feed:** Shut off feed lines at the bin, run feed lines until empty. Make sure any buildup of feed on insides of bin is removed. Seek advice from CFIA to determine if feed bins will need to be thoroughly emptied for disposal and cleaned and disinfected.
3. **Storage, supplies and equipment:** Empty, clean and disinfect all contents from freezer, refrigerator and other supply and storage areas. Remember to include boots, coveralls, sort panels, scales, shockers, paddles, pig moving boards and tools. Items that cannot be cleaned and disinfected must be contained and disposed of securely to avoid future exposure or infection. Seek advice from CFIA to determine how to dispose of these items properly.
4. **Interior surfaces:** Disconnect all moveable equipment such as feeders. Expose all inaccessible areas if possible, such as pits and fan housings, and remove gates and panels so all surfaces (including bottoms) can be cleaned.
5. Apply cleaning detergent with a foamer head, following label, calibration and dosage instructions. Soak the building including loading, office and entrance areas, ceiling to floor (including curtains), as well as all equipment.
6. Rinse by pressure washing all areas of the barn including the slat sides and then examine. Repeat pressure washing where necessary until ALL organic material is removed. Ensure to rinse off all areas in the barn where detergent was applied.



Marked areas to rewash

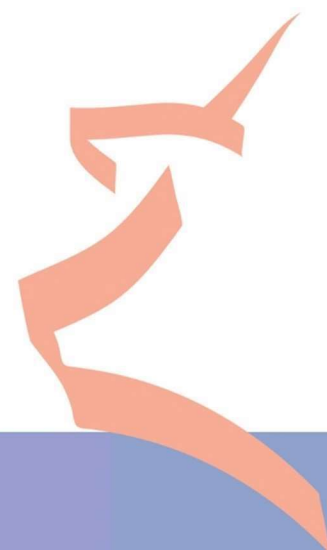


After rewashing



7. Ideally the manure pits should be emptied again at this step. Permission to do so will need to be obtained from the CFIA before doing this. Remember to replace pit plugs again if applicable.
8. Use Prevail or diluted bleach solution to wipe down all lights, controllers and heaters, along with any equipment and areas where a pressure washer cannot be used.
9. Be sure not to mix disinfectants or use multiple disinfectants at the same time or in close succession, as this can result in hazardous substances and gases being produced. Always use disinfectants according to manufacturer's instructions (including concentration, time and temperature) and only for their intended purposes.
10. Flush out the water system, then fill with chlorine and water. Use 1 litre of 6% Javex per 200 litres of water. Pump through lines – purge every water nipple in sequence starting closest to the medicator. Allow to sit overnight. The following day, with medicator turned off, use fresh water and repeat the process to clear chlorine from the lines.
11. Implement rodent control measures. Rodent control is considered successful when no rodents are captured for three consecutive weeks. If the manure pits cannot be emptied, consider fly and mosquito control measures if needed at this step as well.
12. Scrape up all shavings and manure under and around the loading chute. Clean outside perimeter of barn including deadstock area, under the bins and by the entrance. Once all accumulated material is removed and disposed of (according to approved methods by the CFIA), wash non-porous surfaces, and elsewhere apply a generous application of lime.
13. When washing is done, have a third party inspect thoroughly and mark targeted areas to rewash. Rewash as necessary.
14. Disinfect all washed surfaces using a product that will be effective against ASF (contact CFIA to confirm), following label instructions for calibration and dosage and apply with a foamer head.
15. Let dry. Dry with heat if required for several days.

March 2023



## **Washing**

- Slats, slat holes, penning
- Gating and pins
- Feeders
  - Under tray
  - Drop tubes that can be adjusted
- Ceiling
  - Inlets
- Lights
- Loadout
- Danish entry/shower area
- Office
  - Controllers
- Manure Level

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## **Supplies**

- Feed bins and lines
- Refrigerator
  - Part bottles
- Sharps container
- Boots
- Coveralls
- Sort panels
- Scale
- Paddles
- Pig moving boards
- Prodder
- Tools
- Water system disinfected with chlorine

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*This guidance and checklist have been adapted from South West Ontario Veterinary Services Barn Cleaning Protocol. Procedures can be adapted to barns without under-barn manure pits, with empty under-barn manure pits, or with manure pits that can be emptied. Instructions included here for emptying manure pits apply to shallow under-barn manure pits only. Operators are to ensure all required permissions and regulatory approvals are received prior to conducting any activities as described. Actual activities required to achieve regulatory approvals may differ from the above guidance.*

