



Please note: These procedures may be revised as the situation continues to change.

GENERAL GUIDANCE

All previously virulent Newcastle disease (vND) Infected Premises must be both CLEANED and DISINFECTED. Cleaning and disinfection practices during an outbreak should focus on virus elimination in a cost effective manner.

While traditionally wet cleaning and disinfection has been performed in many incidents, dry cleaning and eliminating the virus through either heating of houses or fumigation may be a preferred approach during a widespread vND outbreak. Any method(s) selected should consider the characteristics of the premises/houses and other factors which may impact the effectiveness of the virus elimination activities.

DEFINITIONS

Cleaning: The removal of gross contamination, organic material, and debris from the premises or respective structures, via mechanical means like sweeping (dry cleaning) and/or the use of water and soap or detergent (wet cleaning). The goal is to minimize the remaining organic material so disinfection can be effective.

Disinfection: Methods used on surfaces to destroy or eliminate vND through physical (e.g., heat) or chemical (e.g., disinfectant) means. A combination of methods may be required.

Virus Elimination: Cleaning and disinfection measures conducted with the primary purpose to destroy or eliminate all vND virus on the premises as cost effectively as possible.

OPTIONS

For premises that can be cleaned and disinfected (most premises):

Step 1

CLEANING OPTIONS

Dry Cleaning
Timing & method of dry cleaning must not aerosolize virus.

and/or

Wet Cleaning

Step 2

DISINFECTION OPTIONS

Drying & Heating (100-120°F for 7 days total)
At least three days must be consecutive days drying and heating at specified temperature; heating to 100-120 °F must occur for seven days total.

and/or as needed

Wet Disinfection with EPA Approved Antimicrobial

and/or as needed

Fumigation with EPA Registered Sterilant for Porous and Non-Porous Surfaces or Alternative Science-Based Methods

NOTE: A premises may require a combination of methods, but at least one choice must be selected from Step 1 and Step 2. The cleaning and disinfection options selected and implemented must be included as part of the approved cleaning and disinfection plan and approved by State Animal Health Officials and APHIS for reimbursement.

Heat treatment:

For more information on the requirements for heat treatment as a disinfection option, positioning of sensors, and examples of the 3 consecutive day and 7 day total heating requirements, please see the document [Using Heat Treatment for Virus Elimination](#). Please note: USDA APHIS does not suggest that all methods of cleaning and/or disinfection are equivalent in terms of destroying or eliminating living organisms; however, the scientific evidence at this time demonstrates that heat treatment—as prescribed above—is effective at eliminating vND on previously infected premises.

For premises that can't be cleaned and disinfected:

In the unusual circumstance in which premises cannot be cleaned and disinfected, or for outdoor areas, fallowing for 120-days—or a period recommended by the Incident Command—is prescribed. During this fallow period, the premises must be free of all avian species. The length of this period will vary depending on ambient temperature and season. Fallowing is typically reserved for either premises that would need to be completely repaired or destroyed in order to be effectively cleaned and disinfected. An inspection may be required by the State Animal Health Official or APHIS at the end of the fallow period.

For birds housed inside residences/places of living:

Bird housing areas that are inside a place of residence will **not** be disinfected by APHIS personnel and compensation will not be provided to clean these areas. State and/or Federal personnel may provide guidance or options to individuals who need to clean such spaces.

FOR MORE INFORMATION

Please see these FAD PReP documents: [NAHEMS Guidelines: Cleaning and Disinfection](#), [NAHEMS Guidelines: Tactical Topic on Cleaning and Disinfection \(C&D\)](#), and the [NAHEMS Cleaning and Disinfection Presentations](#).

EPA-registered disinfectants for vND:

https://www.aphis.usda.gov/animal_health/emergency_management/downloads/fad_epa_disinfectants.pdf.