



Cleaning and Disinfection Protocol – Cattle transport vehicles

Overview

Cleaning and/or disinfection is required for all vehicles and trailers that have moved cattle under a movement permit. 'Cattle' includes live cattle, bobby calves, slinks, and carcasses.

- Vehicles that have transported cattle from properties under a Notice of Direction (NOD) only require cleaning to reduce the transmission risk.
- Vehicles that have transported cattle from Restricted Places (RPs) and Transitional Notice of Direction (TNOD's) require cleaning and disinfection (C&D) to reduce the transmission risk.
- Vehicles do not require a stand down period after C&D requirements have been completed, regardless of the status of the property.
- C&D should be carried out as soon as possible after the animals have been unloaded. C&D can be carried out at the processing plant if facilities are available.
- Repeat journeys directly from a Movement Control farm to the processing premise do not require cleaning and disinfection between repeated truckloads, the multiple loads should be recorded on the 'cleaning and disinfection record'.
- Properties that are not under movement controls should not be visited in-between trips.
- Transporters should use their own depot truck wash facility.
- Other designated wash facilities can be used if transporters have **written MPI approval to do so**. Approval is gained by:
 1. Completing the [C&D Offsite Application Form](#) and submitting to: Mbovis2017_RCCHamilton_Technical@mpi.govt.nz and Christopher.Jolley2@mpi.govt.nz, and
 2. Receiving written **confirmation of approval from MPI**.

Verification

Verification that the appropriate cleaning and/or disinfection procedures have been carried out must be completed for each vehicle/wash.

To ensure fast processing, please send the following three documents to: Mbovis_purchasing@mpi.govt.nz

1. Your invoice
2. Your completed [C&D Cattle Transport Vehicles Record](#)
3. *Photos (both before and after cleaning) time stamped, showing the registration plate/s and inside of the cattle transport vehicle where cleaning and/or disinfection occurred.

Please note: MPI can conduct random audits at any time

Essential equipment

The following equipment is needed to complete cleaning and/or disinfection procedures:

- high pressure hose or water blaster
- low pressure sprayer/knapsack (for disinfection)
- brush
- disinfectant





How to clean and disinfect

We recommend that the following guidelines are followed:

- Wash areas of the truck/trailer at high risk of being contaminated with infected bodily fluids (saliva, mucous, milk or semen).
- Dispose of effluent by following standard practice.
- **Parts of the vehicle that are not in direct contact with livestock** (external wheel arches/vehicle underside) **do not require cleaning.**
- **It is not a requirement** for there to be empty wash bays alongside trucks being cleaned/disinfected under a permit.

Areas to wash

- The following vehicle areas are required to be cleaned: interior walls and dividers
- upper deck inner ceiling or stock net
- upper deck inner crate walls/dividers and upper deck floor
- lower deck ceiling (underside of the upper deck)
- lower deck inner crate walls/dividers and floor
- ramps and external doors
- outer stock crate walls (require light cleaning only to remove any visible soiling).

Disinfectant and application

Disinfection applies to vehicles that have transported cattle from properties with one of the following notices:

- Restricted Place (RP) or
- Transitional Notice of Direction (TNOD),

Application of disinfectant must be strictly followed:

- Disinfectant must sit on applied surfaces for 10 minutes (before rinsing off).
- Disinfectant must meet a specified concentration (see table below).

Table: Specified parts of bleach to water

Strength (%)	Hypochlorite (g/100ml)	Bleach – amount to mix (mls)	Water – amount to mix (litres)
2.5	2.5	85	5
3	3	75	5
4	4	55	5
5	5	45	5
6	6	40	5
7	7	35	5
8	8	30	5

**Persons undertaking the Cleaning and Disinfecting of the vehicle are responsible for purchasing appropriate chemicals as well as mixing and applying the chemical as per the manufacturer guidelines. MPI will not accept liability or costs resulting from damage or injury incurred throughout the Cleaning and Disinfection process.*





Permit requirements

Properties under movement controls require permits to move cattle off the property, and for transport to the processing plant.

- The movement permit is issued to the owner, or person in charge, of the cattle.
- This permit is not required to accompany the cattle.
- The transport permit is issued to the transporter and is required to accompany the animals during the movement. The permit will state the status of the property (NOD or RP).
- A copy of the transport permit will be sent by the *M. bovis* permitting team to the processing plant receiving the cattle.

A multiple transport permit may be issued for vehicles to visit multiple movement-controlled farms, as part of the same journey, when collecting cattle for transport directly to a processing plant.

- Vehicles should move from low risk to high-risk properties (i.e. NODs to RPs), as directed by the transport permit.
- Vehicles that have collected animals from an RP or TNOD cannot move onto farms under NOD until they have undergone cleaning and disinfection.
- Cattle originating from RPs, TNODs and NODs will be identified on the Animal Status Declaration (ASD) as coming from a property under MPI movement control.
- While the ASD only has a single category for “under MPI movement control”, farmers are encouraged to write ‘NOD’ or ‘RP’ on the form to identify the status of the property the cattle originate from.

Biosecurity practices (all properties)

On-farm biosecurity procedures should be observed when collecting cattle.

After handling cattle on a property under movement restrictions, all equipment and boots must undergo C&D and/or disinfection (prior to entering other stock handling facilities and/or in contact with cattle,) either:

When/where equipment should undergo C&D

- when leaving the property, **or**
- off-site at an approved truck depot or commercial truck wash, **or**
- off-site at a recognised truck depot or commercial truck wash

What should be done during C&D

- Removing any contamination from equipment with the aid of hand tools and a hose, as needed
- Dispose of any consumable protective clothing or equipment via general waste disposal
- Apply an approved disinfectant to reusable cleaned items (if applicable) by using a spray bottle or footbath
- After cleaning, rinse with water and let items dry before disinfection (if disinfection is required).

Before visiting other properties (or cattle handling facilities) that may contain cattle

- Wash non-disposable overalls/wet weather gear and footwear/boots
- If washing is not possible use clean clothing items/footwear/boots.





Health and safety warning

The chemicals approved for *M. bovis* C&D requirements are hazardous substances.

As the person in charge of the work and/or farm, you must take steps to ensure the safety of everyone using these chemicals.

- All C&D must be carried out in accordance with the Health and Safety at Work Act 2015 (HSW Act).
- Handle disinfectants and other chemicals in accordance with site chemical management policies and procedures.

To ensure disinfection is both effective and safe for you and/or your workers, review the manufacturer's advice and use strictly according to instructions, and consideration of:

- expiry dates, and
- hazardous substance, safety data sheets (SDS) **before every use.**
- required storage conditions
- the preparation instructions for use
- required personal protective equipment (PPE) for safe use
- fumes and contained spaces
- other safety considerations such as first aid measures.

To prevent or lessen harmful contact, PPE must be worn as specified by the SDS and your companies' safety procedures.

More detailed information and an SDS is available from the suppliers of the substances.

More information

Transporter and processor enquiries about permitting and the status of individual farms should be directed to *M. bovis* Programmes Farm Systems Managers:

North Island: Mbovis_NI_Operatons@mpi.govt.nz

South Island: Mbovis_UpperSI_Farmsystems@mpi.govt.nz
Mbovis_LowerSI_FarmSystems@mpi.govt.nz

All technical questions and concerns should be directed to:

Email: Mbovis2017_RCCHamilton_Technical@mpi.govt.nz and/or
Christopher.Jolley2@mpi.govt.nz

