

Appendix 1 – Regular end-of-batch clean out procedure

Step	Description	Responsibility	Product	Use Rate	Verification
1	<u>Before the last bird is out</u> <ul style="list-style-type: none"> Empty feed lines 				Visual inspection/ sign off
2	<u>Insect control</u> <ul style="list-style-type: none"> Spray insecticide on floor/ wall interface Concentrate on cracks and crevices 				Visual inspection/ sign off
3	<u>Litter removal</u> <ul style="list-style-type: none"> Remove gross organic matter from the floor Hand sweep corners of the shed and on uneven surfaces Clean up spilt litter during removal, including from the loading area Remove gross soil from fan boxes, ledges, egg belts Scrape built-up manure from nest boxes, perches, pop-out holes and dwarf wall On free-range farms, remove manure outside the hatch opening/pop-out holes Remove, wash and sanitise ramps from the pop-out holes Dispose all litter and organic matter in a biosecure manner (e.g. off farm or composted at least 2 km from sheds) 				Visual inspection/ sign off
4	<u>Rodent control</u> <ul style="list-style-type: none"> Maintain rodent control during cleanout and disinfection 				Visual inspection/ sign off
5	<u>Vegetation control</u> <ul style="list-style-type: none"> Maintain vegetation control during cleanout and disinfection Takes weeds offsite or killed used weed killer appropriate to the location of the shed Reduce grass to less than approximately 10cm If hay bales are present, remove and replace with fresh bales Dispose all vegetation and hay removed in a biosecure manner as for litter 				Visual inspection/ sign off
6	<u>Feeders, pans and hoppers</u> <ul style="list-style-type: none"> Before the shed is washed, manually remove feed from the feeder and hoppers Use a handheld blower to remove feed dust from feeders 				Visual inspection/ sign off

7	<p><u>Cool cell pad cleaning</u></p> <ul style="list-style-type: none"> • If required, remove any debris, cobwebs, and/or feathers from the surface of the pads using a soft broom • Remove gross soils from cool pad sump, trough and pipes, including the line above the pads • Pump out in-ground sumps after gross soils have been removed. This may require an external contractor • Fill troughs/sumps with a sufficient volume of potable water to recirculate through the cool pads • Add an acid-based cleaner and circulate it through the cool cell pad system • Verify the pH at the furthest cool pad using a pH strip to ensure pH is at the chemical manufacturer's recommended level • Allow a minimum of 30 minutes of contact time • Flush the cool cell system with potable water to remove the acid cleaner and remaining soils 				Visual inspection/ sign off
8	<p><u>Drinker line cleaning</u></p> <ul style="list-style-type: none"> • Fill header tanks with a sufficient volume of water to fill water lines • Set the dosing unit to 1% and place the dosing unit tube into the acid-based cleaner container • Fill drinker lines with the acid-based cleaner • Verify the pH at the end of each drinker line using pH strips to achieve the level recommended by the chemical manufacturer • Allow a minimum of 30 minutes of contact time (ideally leave the cleaner in the lines overnight) • Flush with potable water to remove the cleaner and remaining soils from the line • Verify with a pH strip at the end of the drinker line. The pH should be 7-8 (the pH of the normal incoming potable water supply) 				Visual inspection/ sign off
9	<p><u>Shed preparation before detergent application</u></p> <ul style="list-style-type: none"> • Open the mini vents • Remove the slats and nest pads if applicable • Place equipment in designated area for washing • Secure the brood curtains if present • Raise the side curtains • Ensure all chemicals for cleaning and sanitisation are available in a designated location on farm, e.g. a dedicated chemical storage shed • Hand sanitise all sensitive fixtures within the shed and securely sealed in plastic 				Visual inspection/ sign off
10a	<p><u>Detergent application</u></p> <ul style="list-style-type: none"> • Foam and rinse outside walls, inlets, fan boxes, curtains and any other structures 				Visual inspection/ sign off
10b	<p><u>Detergent application</u></p> <ul style="list-style-type: none"> • Foam the ceiling and associated structures from the wall edges to the midline, and from the shed centre to the ends of the shed • High-pressure rinse from the centre of the shed moving towards the wall and ends • Rinse the cables and other structures 				Visual inspection/ sign off

10c	<u>Detergent application</u> <ul style="list-style-type: none"> • Lower the drinkers to chest height and foam the drinker lines • Foam the circulating and extraction fans • High-pressure rinse the fans after 15 minutes • High-pressure rinse the drinker lines • Use a short lance with a 15-degree tip to rinse the drinker lines. Hold the lance steady and walk slowly to rinse the drinker lines • Avoid swaying the lance side to side while rinsing the drinker lines • Raise the drinker lines once foaming and rinsing are completed 				Visual inspection/ sign off
10d	<u>Detergent application</u> <ul style="list-style-type: none"> • Lower the feeders to knee height and foam the insides • Foam the bottom of feeders • Lower the perch rails and foam the perches • Rinse the perch rails • Raise the perches • Rinse the feeders with a medium-length lance • Hold the lance steady and avoid swaying movements • Raise the feeders to chest height 				Visual inspection/ sign off
10e	<u>Detergent application</u> <ul style="list-style-type: none"> • Foam the nest boxes, egg belts and other structures that cannot be removed from the shed • Rinse the nest boxes, egg belts and other structures that were foamed • Foam the dwarf wall 				Visual inspection/ sign off
10f	<u>Detergent application</u> <ul style="list-style-type: none"> • Foam the wall from the bottom and work your way up • Foam the mini vents • High-pressure rinse the wall from top to bottom using a long lance with a 15-degree tip • Swivel the lance tip to allow the fan jet to spray vertically on the wall • Swivel the 15-degree tip upwards when rinsing the bottom edge of the wall • For the mini vents, the lance must be swivelled to allow the fan jet to spray horizontally onto the mini vent 				Visual inspection/ sign off
11	<u>Detergent application for silo</u> <ul style="list-style-type: none"> • Foam all internal and external silo surfaces from bottom to top • High-pressure rinse the silo from top to bottom 				
12	<u>Sensitive equipment in the control room</u> <ul style="list-style-type: none"> • Spray ready-to-use sanitiser spray on sensitive equipment. • Avoid spraying open or live switchgear • Wipe with a clean paper towel or clean cloth 				

13	<u>Control room</u> <ul style="list-style-type: none"> • Apply foam cleaner to the control room, feed room floor, wall and bottom of doors after electric equipment has been made safe • Scrub the floor and wall with a soft brush • Low-pressure rinse the control room and feed room 				
14	<u>Insecticide treatment</u> <ul style="list-style-type: none"> • When walls and floors are dry, apply insecticide at least 1 m up the wall and at the junction with floor • Spray dirt floors • Spray outdoor wall/floor junction 				
15	<u>Sanitisation</u> <ul style="list-style-type: none"> • Ensure insecticide-sprayed surfaces are dry before commencing this step • Close all the pop holes • Prepare sanitiser solution. Ensure the farm manager checks the correct rate is being used • Sanitise all internal structures, concentrating on the bird contact areas such as the feeders, drinkers, wall, floor and ventilation system • Sanitise any external concrete area • Close the sheds until litter placement 				