Update 23/06/2025

Photo resource showing good and poor examples of biosecurity practices

Topics structured by risk pathway

Industry and government have worked together in partnership to compile this photo gallery

Department for Environment Food & Rural Affairs

Animal & Plant Health Agency

Llywodraeth Cymru Welsh Government

Scottish Government Riaghaltas na h-Alba gov.scot

Department of Agriculture, Environment and Rural Affairs www.daera-ni.gov.uk

Game Farmers' Association

NFU

British Lion Quality British Egg Industry Council

BRITISH POULTRY COUNCIL The voice of the British poultry meat sector

The British Veterinary Poultry Association

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Images containing information which might identify a site have been obscured for confidentiality reasons.

Site entrance

1. Secure gated entrances

Poor

Open access to site; no signage

NEW

No secure outer perimeter – open access with no immediately visible signage - if the gates are left open there is no obvious perimeter barrier and the signs on the gates cannot be easily read.

1. Secure gated entrances

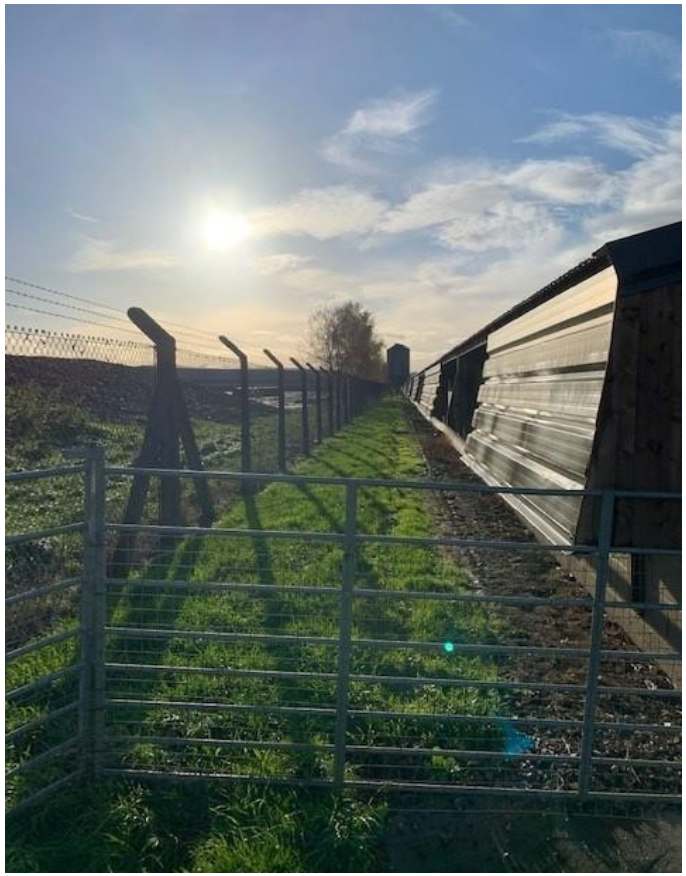
Good

Closed gate; good signage

2. Fencing

Good

Well maintained secure fencing around site perimeter and poultry buildings.



3. C&D – vehicle and personnel

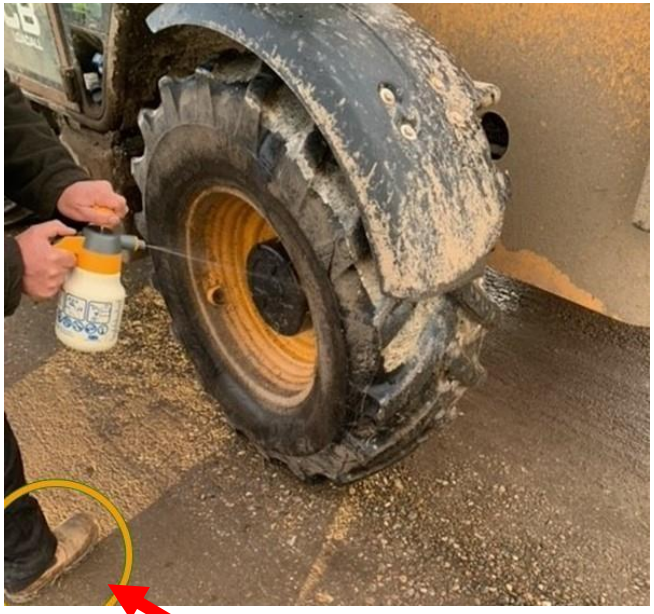
Poor

Very small amounts of disinfectant for vehicle wheels and
no means of cleansing of gross debris before applying disinfectant.

3. C&D – vehicle and personnel

Poor

Insufficient supply of disinfectant for a vehicle.
Grossly contaminated vehicle and no means of cleansing before disinfection.



Non-disinfectable footwear.

3. C&D – vehicle and personnel

Good

Pressure washers available for cleansing and disinfection of vehicles.

4. Signage

Good

Examples of clearly displayed signage.

5. Visitors' book

Good

Covered and well signposted visitor logs (books) at site entrance.

Hoses providing water source for cleansing before disinfection.

Areas surrounding buildings

6. Curtilage

7. Areas between buildings

Poor

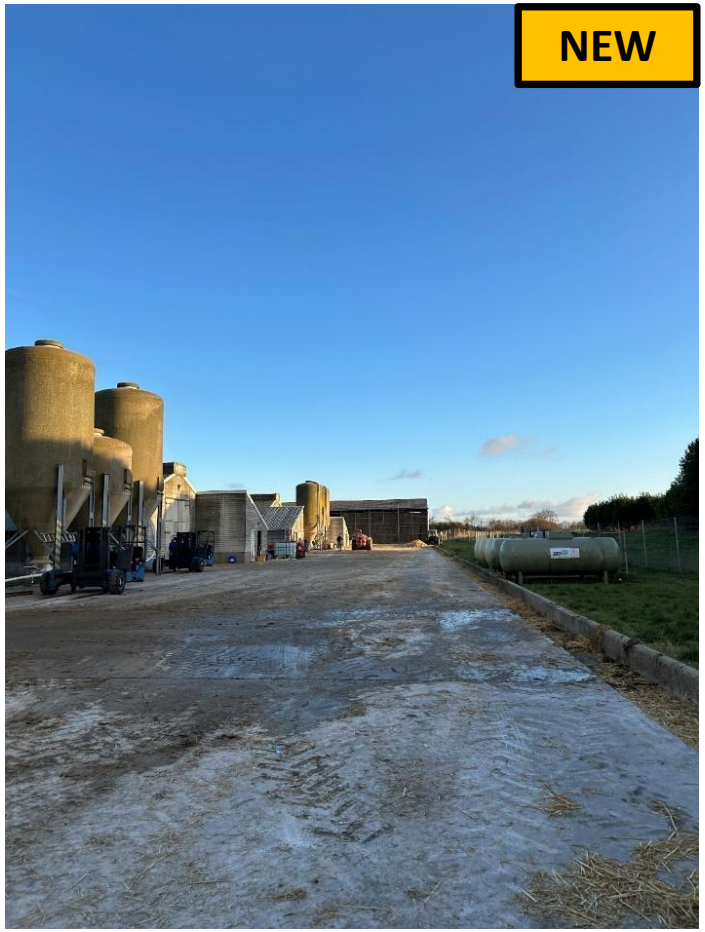
Muddy sites, bedding stored outdoors and mossy roofs likely to attract wild birds.
Hard to cleanse and disinfect vehicles.

6. Curtilage

7. Areas between buildings

Poor

Generally unclean/contaminated concrete surfaces in front of the poultry housing.



Generally unclean/heavily contaminated surfaces on the approach to the poultry housing.

6. Curtilage

7. Areas between buildings

Poor

NEW

Generally unclean/heavily contaminated (concrete) surfaces and significant amounts of standing water in front of the poultry housing.

NEW

6. Curtilage

7. Areas between buildings

Poor

NEW

Cattle manure heap in close proximity to the poultry housing, observed to be attracting wild birds.
Generally muddy with areas of standing water which could harbour virus.
Hopefully the uncovered/unprotected straw bales are not intended for poultry bedding.

6. Curtilage

7. Areas between buildings

Poor

Debris piled up in close proximity to shed likely to provide cover for rodents.

Overgrown vegetation in close proximity to housing likely to attract wild birds and rodents.

6. Curtilage

7. Areas between buildings

Good

Very tidy and well-maintained sites, clean intact concreted surfaces, free from debris and overgrown vegetation etc.

6. Curtilage

7. Areas between buildings

Good

Well maintained housing with clean roof, protected roof ventilation chimneys and clean, well-maintained curtilage.

NEW

6. Curtilage

7. Areas between buildings

Good

Very tidy and well-maintained sites, clean intact concreted surfaces, free from debris and overgrown vegetation etc.

6. Curtilage

7. Areas between buildings

Good

Very tidy and well-maintained sites, clean intact concreted surfaces, free from debris and overgrown vegetation etc.

6. Curtilage

7. Areas between buildings

Good, BUT

NEW

Clean, well-maintained concrete with a good drainage slope to divert water away from the poultry housing. Clean concrete standing in front of the feed silo.

But – bedding stored outside, but double wrapped bales – as long as inner wrapping is fully intact and appropriately disinfected before being moved into the poultry housing.

8. Animal By-products

Poor

Poorly closed ABP bin, liable to attract scavengers.

ABP skips best placed at perimeter of site to remove the need for ABP collection vehicle to enter the curtilage of the site.

Buildings / housing

9. Roofing

Poor

Overgrowth of vegetation in gutters and missing section leading to water spilling over.

Poor roof design allowing water to drain into shed and potential access by small wild birds.

Mossy roofs likely to attract wild birds; unnetted ventilation cowls.

9. Roofing

Poor

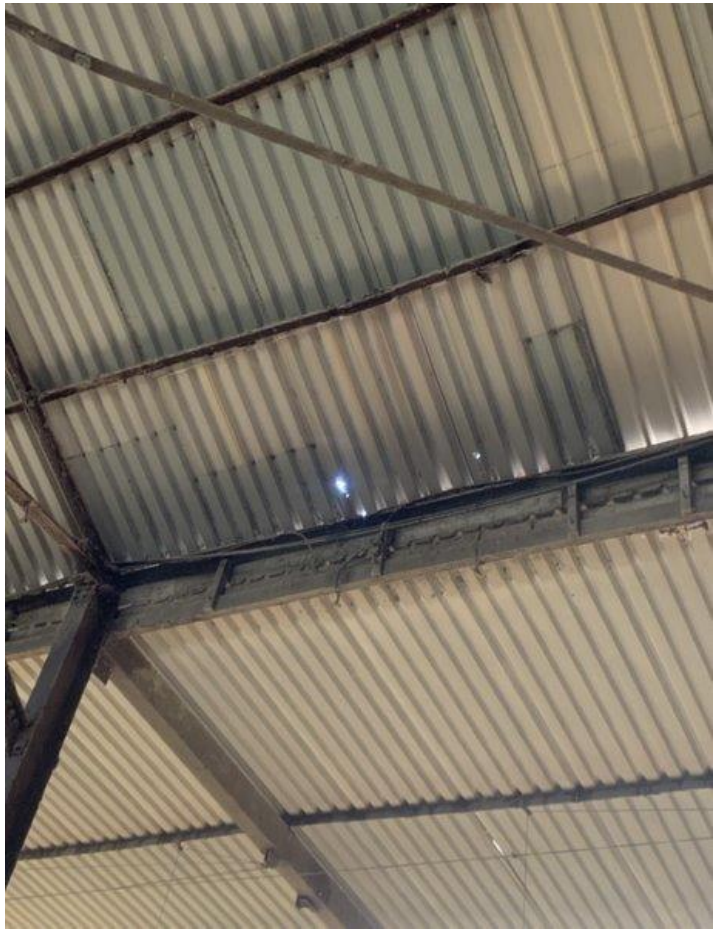
NEW

Moss covered roof likely to attract wild birds.

9. Roofing

Poor

Holes in roofs – potential for rain to wash in any wild bird faeces.



9. Roofing

Good, BUT

Netted roof vents and use of anti-perching spikes to deter wild birds from roosting (albeit significant apparent moss/lichen growth present).

10. Flooding, leaks, water ingress

Poor

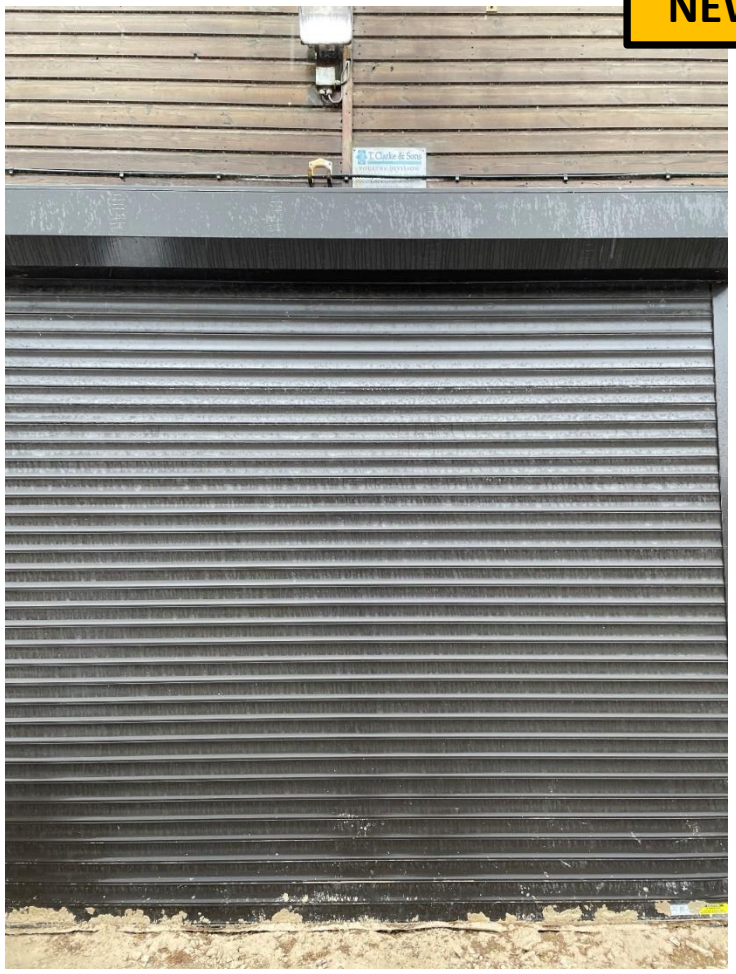
10. Flooding, leaks, water ingress

Poor

Muddy concrete around doors and presence of sandbags suggests risk of water ingress into the housing.

NEW

NEW



Inadequate roller door seal may potentially allow external water ingress into the housing.

11. Door / Access

Poorly designed entry into sheds with one poorly positioned footdip. Ideally, doors should stop 6 inches from the ground with a solid concrete lip. This would allow a dedicated footdip to stand in front of each door and so encourage use prior to entry (would not be possible if entry is into egg room which requires pallet truck access).

There is also nowhere to clean boots/shoes prior to using the footdip. One door situated in the corner, and opening in a manner that precludes the correct siting of a footdip.

Poor

Outside area adjacent to the delivery area into sheds. Note the dirty concrete and gravel surfaces.

11. Door / Access

Poor

Contamination with leaf debris likely to reduce disinfectant efficacy. How frequently replenished?

Footdips should be covered to preserve effectiveness of the product and prevent dilution with rain.

Overgrown vegetation around entrance likely to encourage wild birds/rodents.

High risk of footwear contamination due to generally muddy area and no means of cleaning footwear before using footdip.

Poor footdip placement.

11. Door / Access

Poor

Modern shed in a good open area with limited trees. However, lack of attention to detail.

Issues:

- Pooling of water in front of the shed.
- Access door to the shed to the left is poorly designed so that nothing can be placed in front of it. Therefore,
- Single footdip placed to the side of the door as it cannot be placed anywhere else making it impossible to step directly inside.
- No water supplied to allow the removal of dirt prior to disinfecting.
- Door to the right access to the egg store. No disinfectant at all.

12. Separate access to other areas

Poor

Dirty concrete around entrance to office.

13. Windows / Netting / Openings

Poor

Netted sides incomplete, allowing access to wild birds.

13. Windows / Netting / Openings

Poor

Roof vents meshed **but** mesh has detached from its attachments leaving gaps accessible to small wild birds.

NEW

13. Windows / Netting / Openings

Poor

Incompletely netted tunnels, allowing easy wild bird access.

Obvious gaps potentially allowing wild bird ingress into the polytunnel

13. Windows / Netting / Openings

Good, BUT

Well meshed side vents, but evidence of water staining suggests leaking/overflowing guttering?

Well meshed ventilation cowl, but overhanging trees likely to attract wild birds.

13. Windows / Netting / Openings

Good

Attention to detail, extending mesh to cover all gaps.

13. Windows / Netting / Openings

Good

Use of fine meshing to cover any gaps.

13. Windows / Netting / Openings

Good

Innovative - fine gauge netting angled away from the housing/ventilation inlets allows it to be largely self cleaning when it rains to prevent excessive dust build up.

13. Windows / Netting / Openings

Good

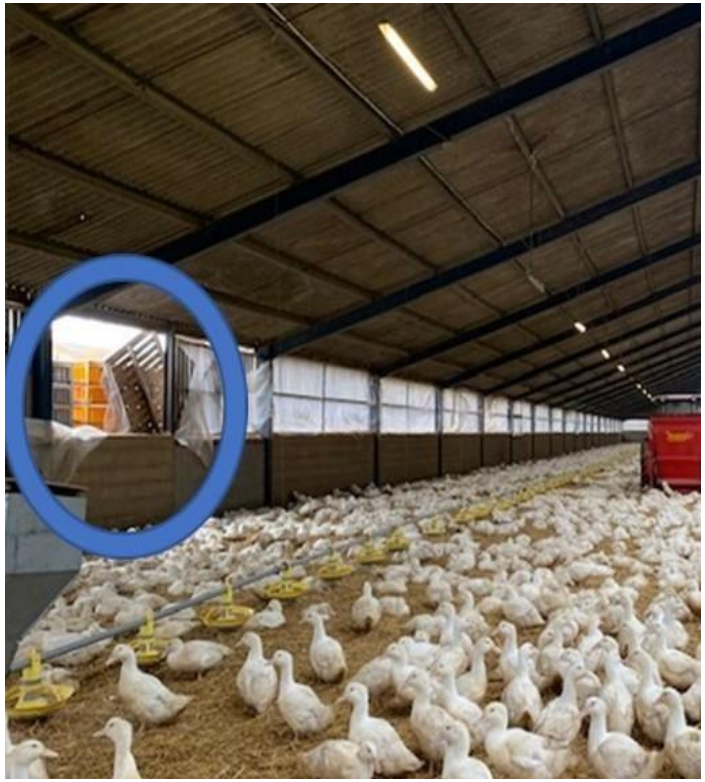
Well meshed ridge inlet with narrow gauge 9mm netting to prevent access by even very small wild birds.

Narrow gauge 12mm meshing as secondary wild bird proofing on light baffle inlets.

14. Building maintenance

Poor

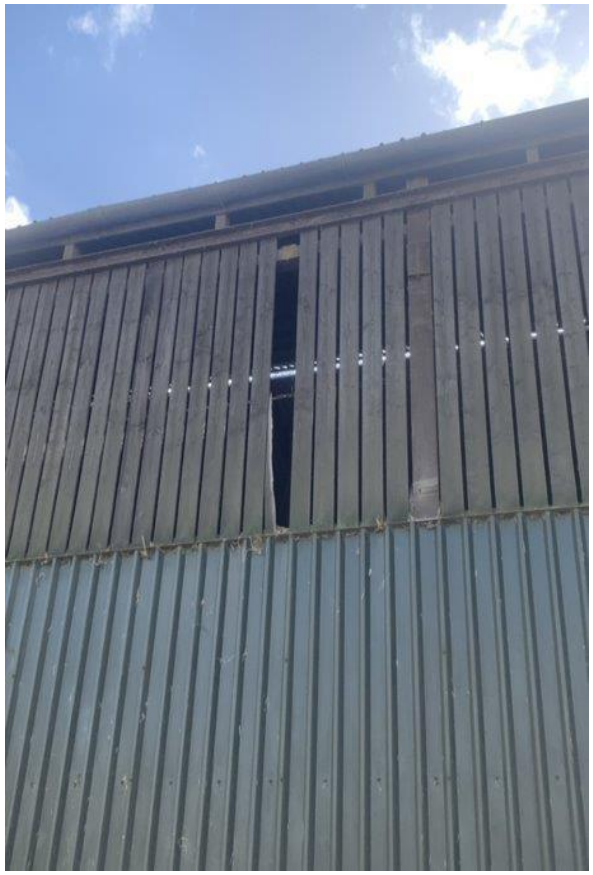
Unrepaired storm damage allowing easy access for wild birds.



14. Building maintenance

Poor

Various gaps in building structure, allowing access to small wild birds and rodents.



14. Building maintenance

Poor

No gutter end cap in place.

14. Building maintenance

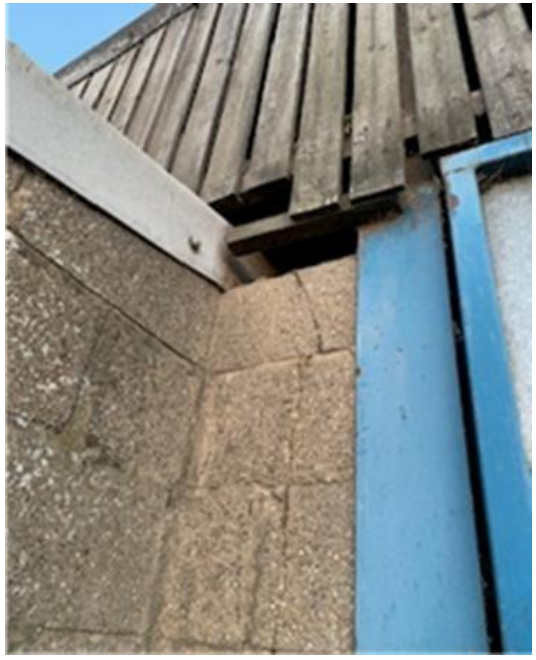
Poor

Holes in wall and door and poorly fitting pophole, allowing rodent access.

14. Building maintenance

Poor

Gaps allowing wild bird access.



14. Building maintenance

Poor

Gaps allowing wild bird access.

Gap between netting and roof, allowing wild bird access.

15. Ventilation

Poor

Mossy roof and no netting of ventilation cowls

Damage to meshing over ventilation inlet.

Missing cowl cover, mossy roof and weld mesh covering side inlets not sufficiently narrow to prevent access of small wild birds.

15. Ventilation

Poor

Wild birds had previously been observed nesting in some ventilation covers –
right hand photo shows no netting present, potentially allowing access into roof space.

15. Ventilation

Poor

Gaps in meshing covering ventilation inlets.

NEW

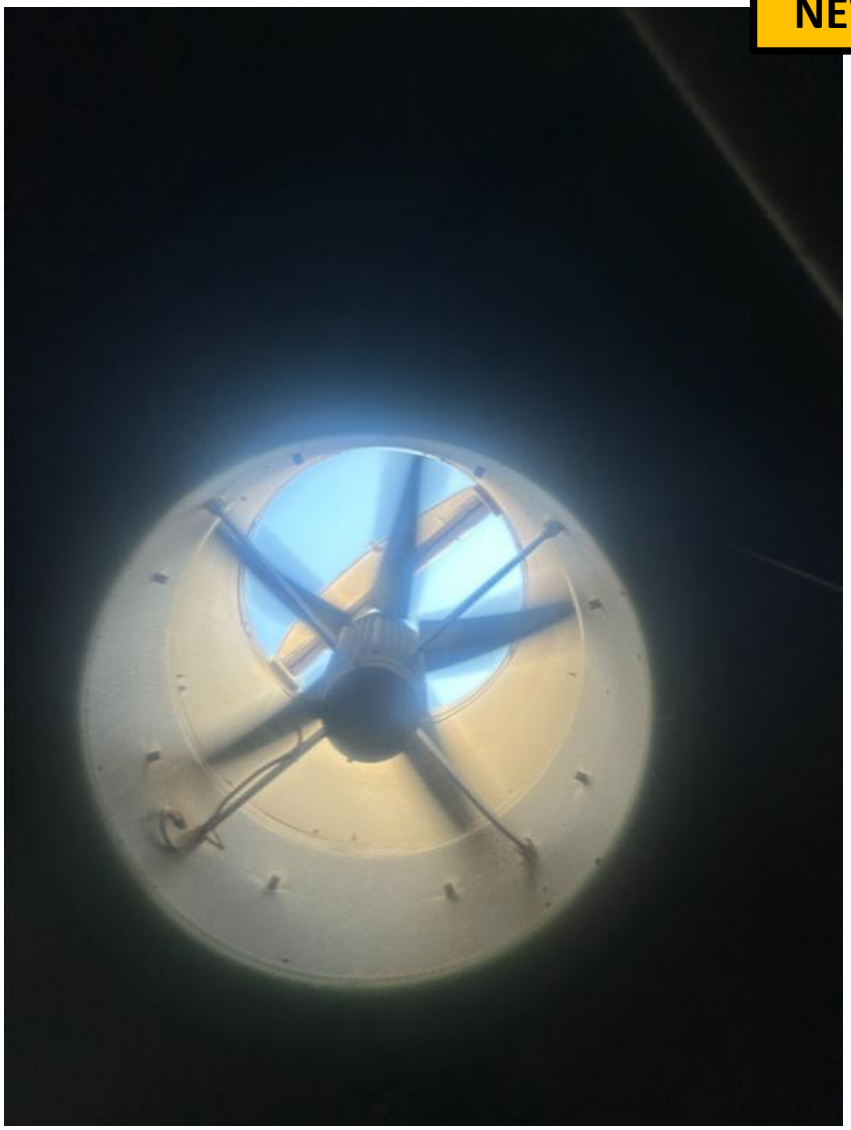
NEW

Vent meshed but with gaps around the ratchet arm potentially allowing ingress by small wild birds when baffle is open. Possibly better to consider looser fitting meshing affixed externally to enable flexing when the baffle is opened?

15. Ventilation

Poor

NEW



Ventilation chimney directly open to the exterior with potential for contaminated material (wild bird faeces, feathers etc.) to fall directly into the bird area. Potential for any contaminated material accumulated on the valve to fall or be washed into the bird area when the valve opens?

15. Ventilation

Good

Well meshed ventilation cowls and clean roof.

15. Ventilation

Good

Well meshed fan inlets / outlet.

15. Ventilation

Good

Well meshed roof vents, well maintained roof.

16. Muck belts

Poor

Covers missing from muck belt; easy access for rodents.

17. Feed

Poor

Feed spillages around hoppers attractive to wild birds and rodents.

Feed spillage and wild bird faeces underneath feed hoppers.

17. Feed

Poor

Significant wild bird faeces contamination around silo ventilation inlets due to wild birds perching on the feed pipe. Potential for wild bird faeces to be washed into the silo.

Unclear whether there are any internal mitigating features inside the structure to prevent such ingress of contaminated material onto the feed.

NEW

17. Feed

Poor

Feed pipes lying on the ground.

17. Feed

Good, BUT

NEW

Silo sitting on a well-maintained concrete pad with no evidence of feed spillage

but feed delivery vehicle area is *soil, which can't be disinfected*.

18. Rodent control / wild birds

Poor

Mouse droppings in roof space

Rodent burrows around housing

18. Rodent control / wild birds

Poor

Dead rat and damage to building structure.

Gap allowing rodent access and evidence of some external water ingress. Presence of a rodent bait box immediately adjacent to this gap may suggest prior suspicion/knowledge of a rodent problem.

Dead wild goose outside shed not disposed of.

Bedding Management / Storage

19. Storage

Poor


Pigeon inside straw store.


Damage to outer and inner wrapping of bedding stored outside, exposing it to contamination.


Wild bird faeces on outer wrapping of bedding stored outdoors – potential to leak into bedding below and be transferred into bird areas if any damage to inner wrapping / lack of disinfection before taking indoors.


Puddling on top of stored litter allowing for wild bird faecal contamination.

19. Storage

Poor

Wild bird faeces at entrance to open straw store.

Wild bird feather in straw store.

19. Storage

Poor

Straw unprotected from wild bird access.

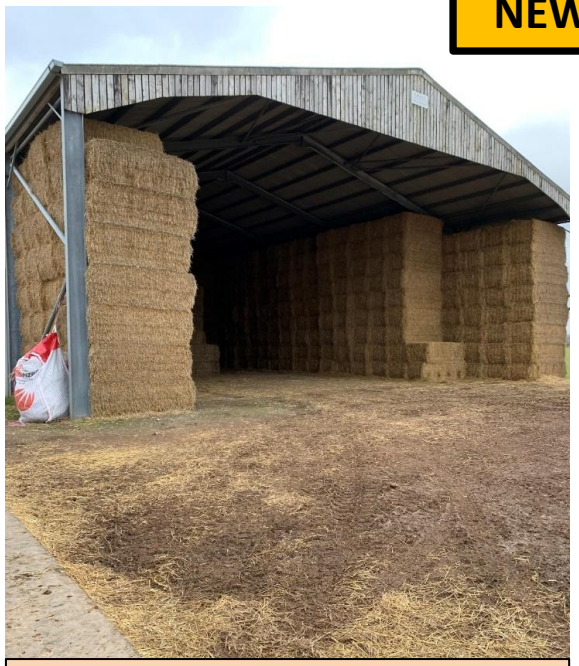
19. Storage

Poor

NEW

Partially netted barn and evidence of extensive water contamination on straw.

Straw store open to wild bird access and straw being stored uncovered outside.



Bedding straw accessible to contamination by wild birds and rodents.

Straw store open to wild bird access.

19. Storage

Poor

NEW

Bedding stored outside but double wrapped with additional cover. Vital to discard any bales that appear damaged and ensure that the inner wrapping is disinfected before carrying into the poultry housing.

NEW

Straw barn is netted but with obvious gaps potentially allowing wild bird access.

19. Storage

Poor

Bedding not being stored securely, allowing potential contamination by wild birds.

19. Storage

Poor

Obvious evidence of rodent droppings on bedding straw.

Obvious evidence of rodent droppings on bedding straw and suggestion that rodents may be nesting in the straw.

19. Storage

Good

Secure wild bird proof sheds for bedding storage.

19. Storage

Good

NEW

Unpopulated poultry house used to store straw bedding under cover.

19. Storage

Good

Wrapped bedding securely stored indoors.

19. Storage

Good

Wrapped bedding stored outdoors but securely sheeted and inner wrapping is thoroughly disinfected before being taken into bird housing.

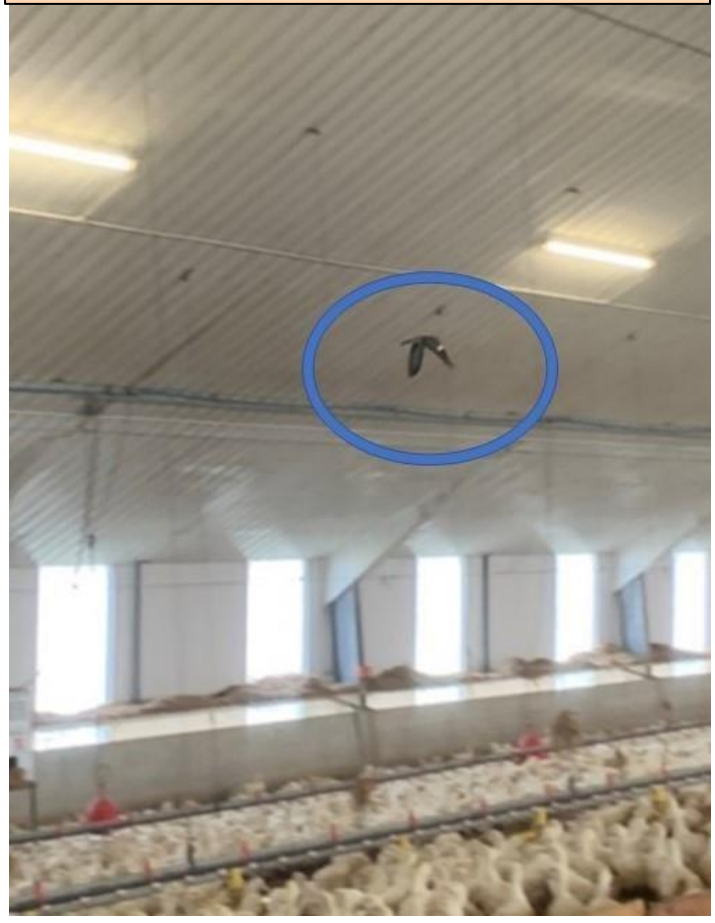
Fully netted barn to prevent wild bird access to bedding.

20. Bedding-up (adding litter)

Poor

Frequent bedding top-ups represents an inherent risk of introducing contamination – essential for rigorous cleanse and disinfection of vehicles/equipment in addition to careful storage of bedding to avoid contamination by wild birds.

Danger of wild birds entering when doors opened for bedding top-up.



The “Hard Inner Shell”

21. Shed Entrance

(a) Lobby Area

Presence of leaves and externally used leaf blower casts doubt on the value of the lobby as a biosecurity barrier.

Poor

Cluttered and untidy lobby and poor footdip – highly unlikely to be an effective biosecurity barrier.

21. Shed Entrance

(a) Lobby Area

Poor

Photo casts doubt on the value of the lobby as a biosecurity barrier.

21. Shed Entrance

(a) Lobby Area

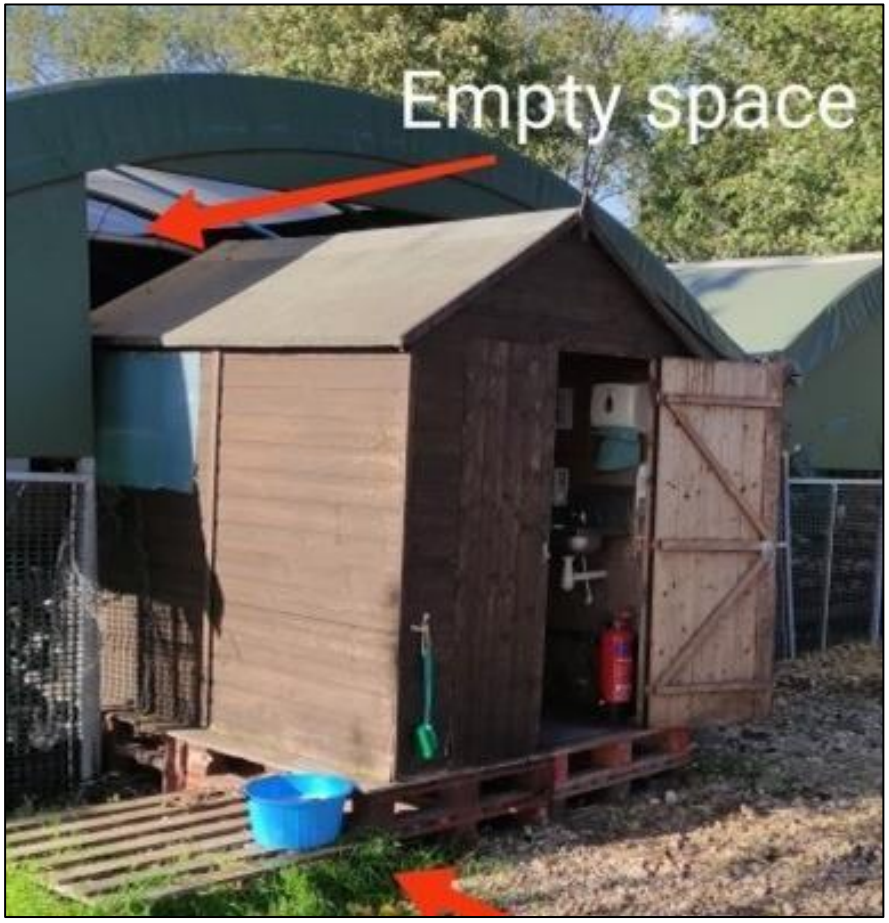
Good, BUT

Lobby with covered footdip, but need to step back onto earth floor after use. Would be better raised up with footdip under doorway, so it is hard to avoid using.

21. Shed Entrance

(a) Lobby Area

Good, BUT



Good points:

a. Lobby raised to allow footdip to be placed in front of door, so difficult to by-pass.
b. Hand brush for the footdip with a long handle and at good height to be visible and encourage use. *Might benefit from having a cover over top of brush.*
c. Clean and tidy.

Points for improvement:

a. Air gap above and around the lobby to allow wild birds to fly in and out.
b. Round footdip is too small.
c. Have to walk on the ground after cleaning boots and using footdip.
d. Door left open.

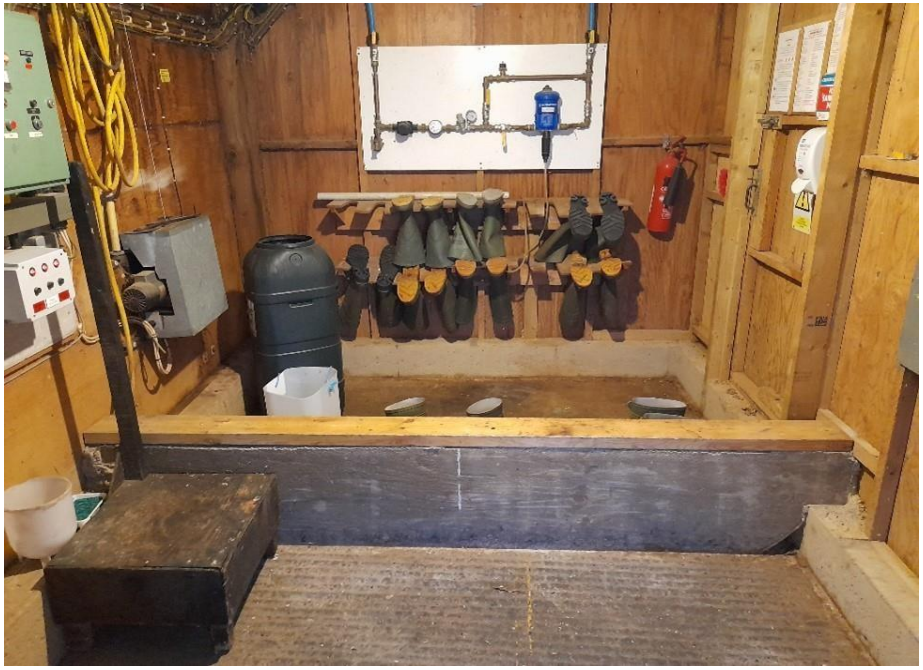
21. Shed Entrance

(a) Lobby Area

Good

Covered footdips and use of pallets to reduce recontamination, rather than stepping back onto earth floor.

Clean and tidy well-organised lobby with solid and secure hygiene barrier.



21. Shed Entrance

(a) Lobby Area

Good

Intermediate entrance

Provision of hand washing facilities and hand sanitiser.

21. Shed Entrance

(b) Step-over barrier

Poor

Cramped area; not particularly easy to use.

Covering of footdip unnecessary if indoors and may discourage use.

Seat provided to facilitate use but unclear which footwear is for use inside the house – mixture present.

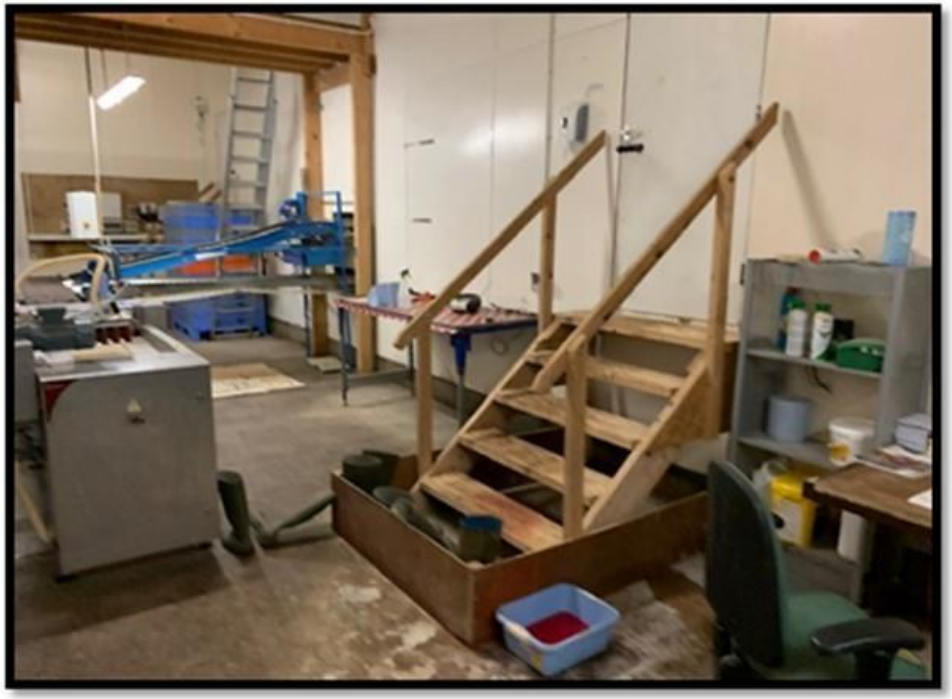
21. Shed Entrance

(b) Step-over barrier

Poor

Points for improvement:

a. Poor step-over area
b. Boots in and out of the step-over area
c. No clear indoor and outdoor boots
d. Footdip too small and should be inside barrier
e. Disinfectant too shallow
f. No brush



Poor design which doesn't make effective use particularly easy and is potentially easy to bypass.

21. Shed Entrance

(b) Step-over barrier

Poor

Dirty area within step-over and apparent mix of inside and outside boots.

Poor footdip – shallow and poor placement.

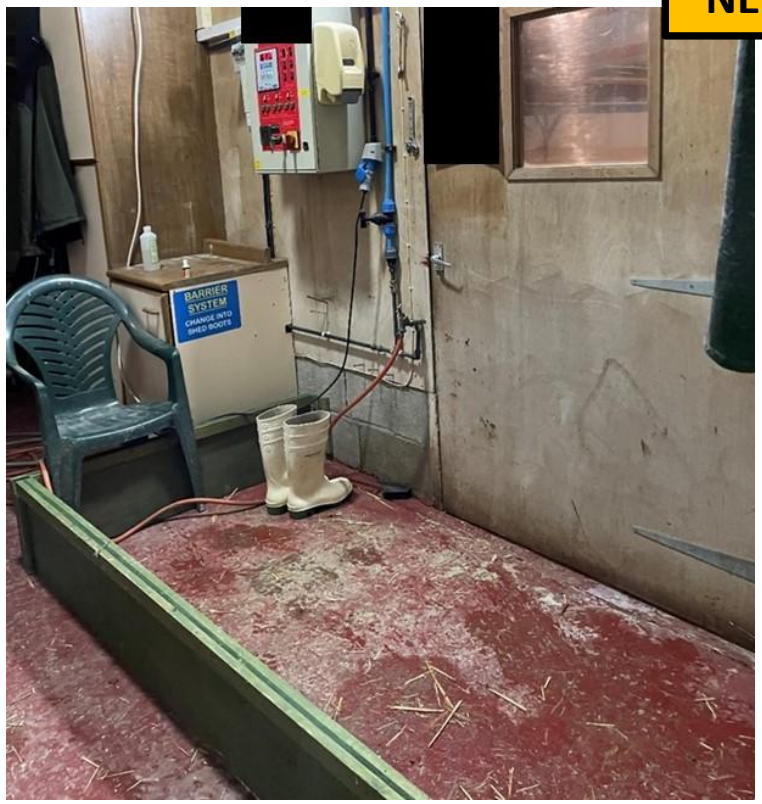
Chair to aid use, but covered in PPE which may discourage use.

21. Shed entrance

(b) Step-over barrier

Poor

NEW



Stepover hygiene barrier messy on both sides and unclear how practically easy it is to effectively change from outdoor to shed boots whilst keeping outdoor boots on the “dirty” side. The chair may be better placed on the outside of the barrier to allow staff to sit down and remove outdoor boots then swing legs over to step directly into the shed boots?

21. Shed Entrance

(b) Step-over barrier

Good

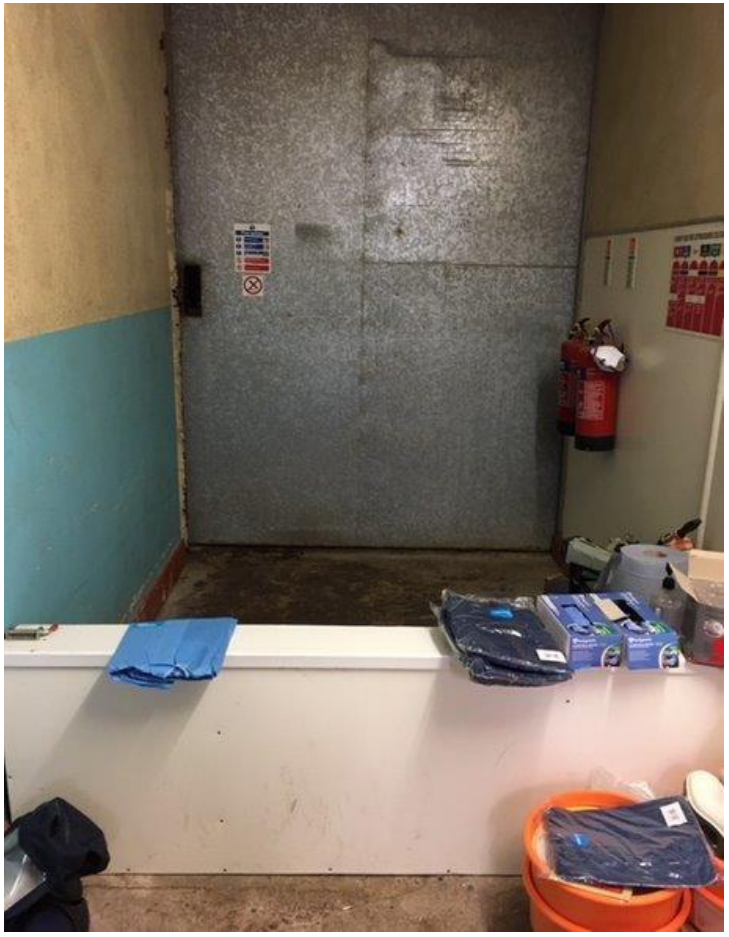
Solid and secure swing over hygiene barrier.

21. Shed Entrance

(b) Step-over barrier

Good

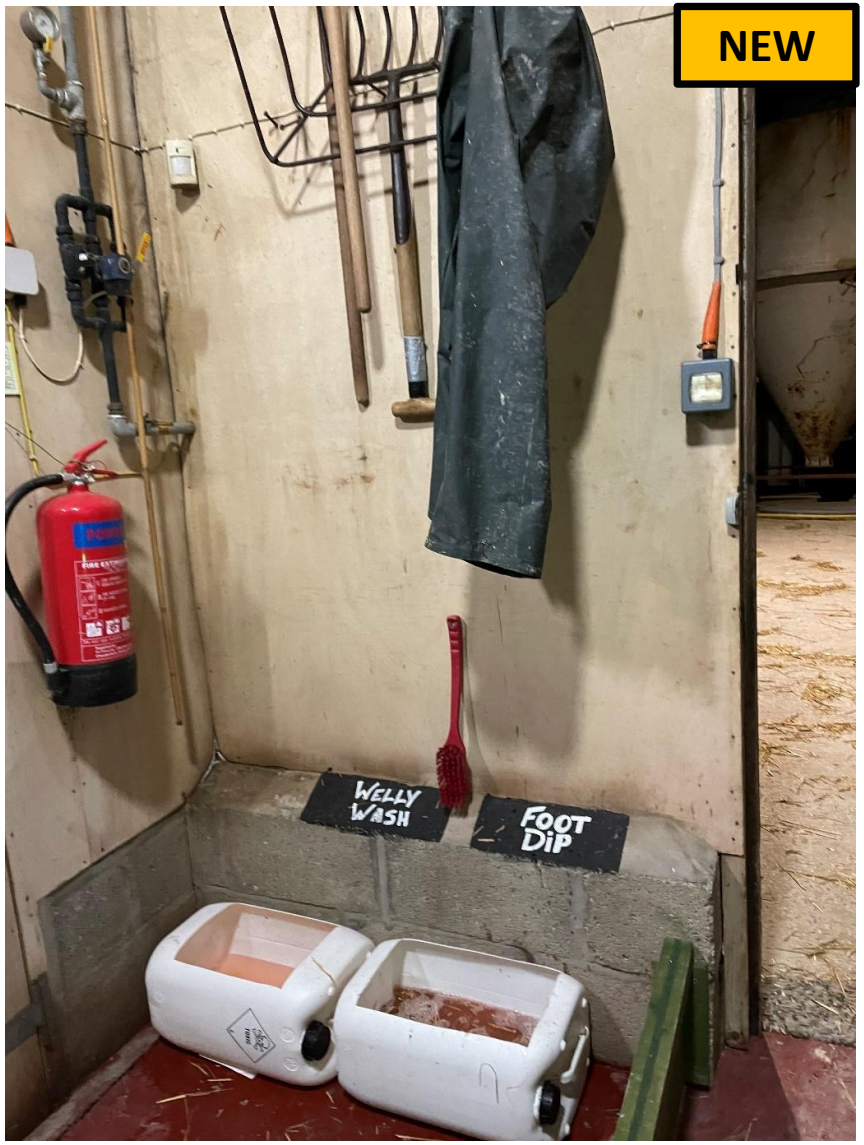
Solid and secure swing over hygiene barriers.



21. Shed Entrance

(b) Step-over barrier

Good, BUT



Boot wash and brush provided to allow thorough cleaning of boots before disinfection, **but** the aperture size may be challenging to allow effective immersion and cleaning of larger boot sizes.

ALSO: the disinfectant foot dip appears to be more heavily contaminated with material than the welly wash, casting doubt on how effectively the prior welly wash is actually being used before the disinfectant?

21. Shed Entrance

(c) Footdips

Poor

Footdip requires a cover and would be better placed directly under raised door so cannot be by-passed, to prevent recontamination of footwear after use but before entering the bird area.

No water source or brush to clean footwear before disinfection.

No water source or brush to clean footwear before disinfection.

21. Shed Entrance

(c) Footdips

Poor

Footdip cover not properly in place.

How effective is this footdip actually likely to be, given the grossly muddy environment?

21. Shed Entrance

(c) Footdips

Poor

Shallow, small footdip – no measuring lines on it to facilitate accurate mixing of disinfectant at correct dilution.

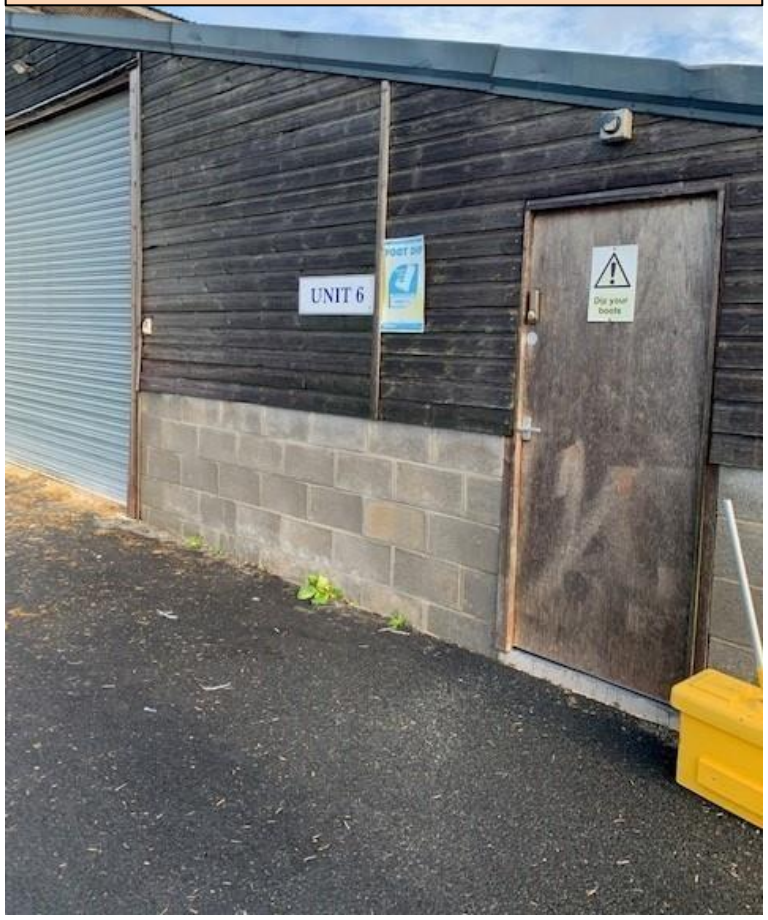
Have to step back onto concrete before entering the building.

21. Shed Entrance

(c) Footdips

Poor

Good quality covered footdip but located on wrong side of door opening necessitating stepping back onto the tarmac before entering the house.



Boots likely to be re-contaminated once stepping out of the disinfectant.

21. Shed Entrance

(c) Footdips

Good quality covered footdip but located on wrong side of door opening, necessitating stepping back onto the tarmac before entering the house.

Poor

Footdip some distance from door.

21. Shed Entrance

(c) Footdips

Good, BUT

Footdip not covered.

Placed close to door, but unlikely to allow full immersion of footwear.

Covered footdip with string to open.

Would be better placed under the raised door so cannot be by-passed.

21. Shed Entrance

(c) Footdips

Good, BUT

Good points:

- Covered external footdip
- Good depth of disinfectant.
- Disinfectant is clean (is it being used?)

Points for improvement:

- No hand-brush.
- Placement could be better so that the footdip cannot be by-passed.
- No clear guidance or measures for mixing disinfectant at correct strength.
- Need Log of when the disinfectant was replenished.

Boot brush scrub with water source to facilitate cleaning before disinfection.

Would be better placed on a clean solid base and closer to door to avoid recontamination of footwear after use.

21. Shed Entrance

(c) Footdips

Good

Good size sturdy plastic tray to allow full immersion of whole foot.

Brushes to facilitate cleaning.

Sturdy, deep footdip with brushes incorporated.

Cover with handle to facilitate use.

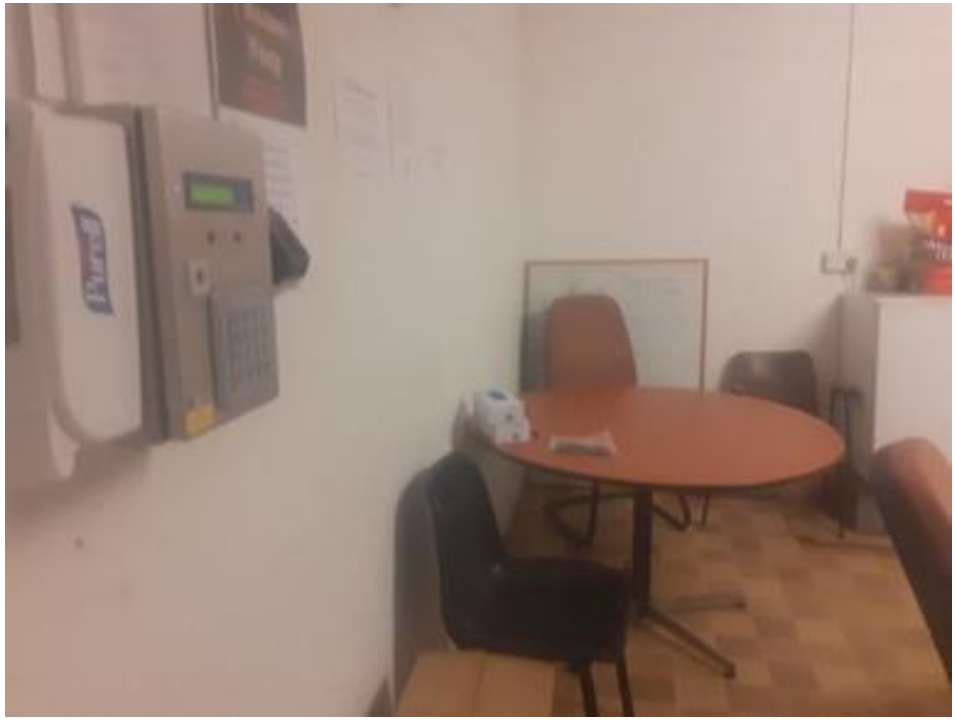
NEW

Well maintained and coverable footdip for outdoor use containing in-built brushes to aid cleaning.

22. PPE

Poor

This staff canteen was used as a common clocking in/out point, for staff working on various sites. Dirty footwear is present.



22. PPE

Poor

Disposable boot covers are fragile and easily torn and may give a false sense of security if used in place of dedicated house footwear, or thorough disinfection.

No clear hygiene barrier between inside and outside.

22. PPE

Poor

Apparent mix of indoor and outdoor footwear within the barrier area.

Provision of seat facilitates. Questionable placement of footdip?

Separation of indoor and outdoor boots not clear and appears to be an indoor boot in the outdoor section.

22. PPE

Good

Tidy and clean swing over hygiene barrier area with very clean boots.

22. PPE

Good

Well organised and stored disposable overalls of various sizes.

Hand sanitiser available.

Provision of brushes and hand sanitising facilities

23. Showers and Changing Areas

Poor

Disinfectant mats not as effective as immersion footdips.

Door, when open, exposes anyone to the outside. Poor privacy – unlikely to encourage fully effective use of showers.

No barrier to keep outside footwear separate from the interior.

23. Showers and Changing Areas

Good

Clean and tidy showering facility.

24. Water header tank

Poor

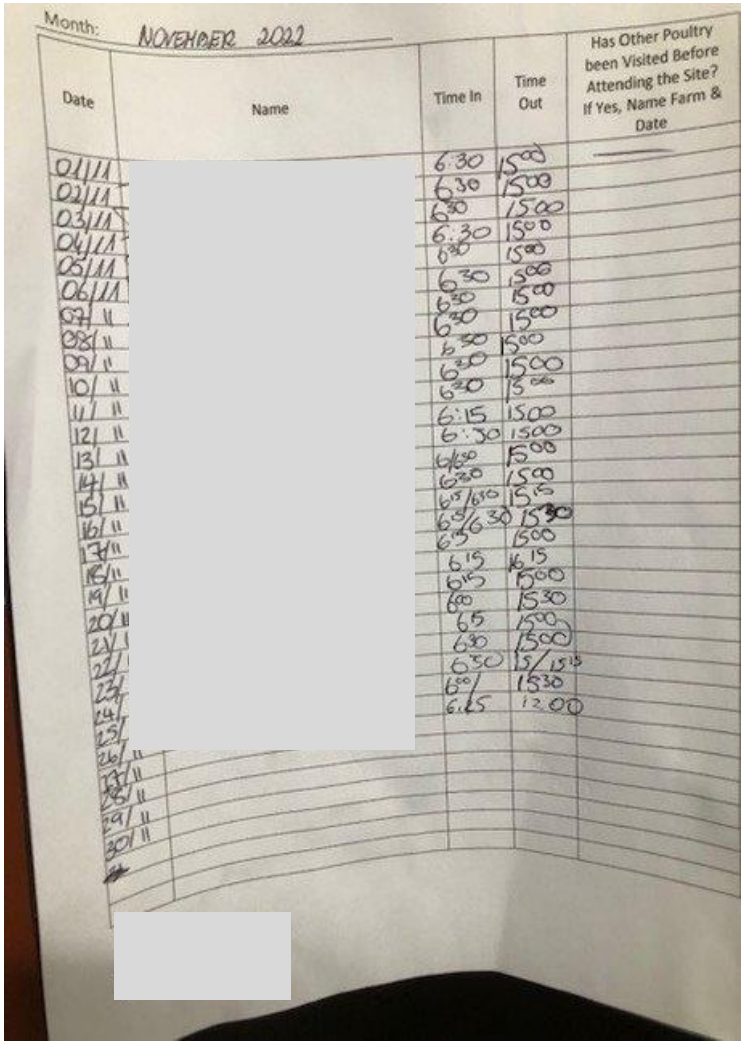
NEW

Water header tank lid appears to be incompletely secured potentially allowing access by rodents.

Record keeping

24. Personnel, including Managers

Good



Legible staff attendance records.

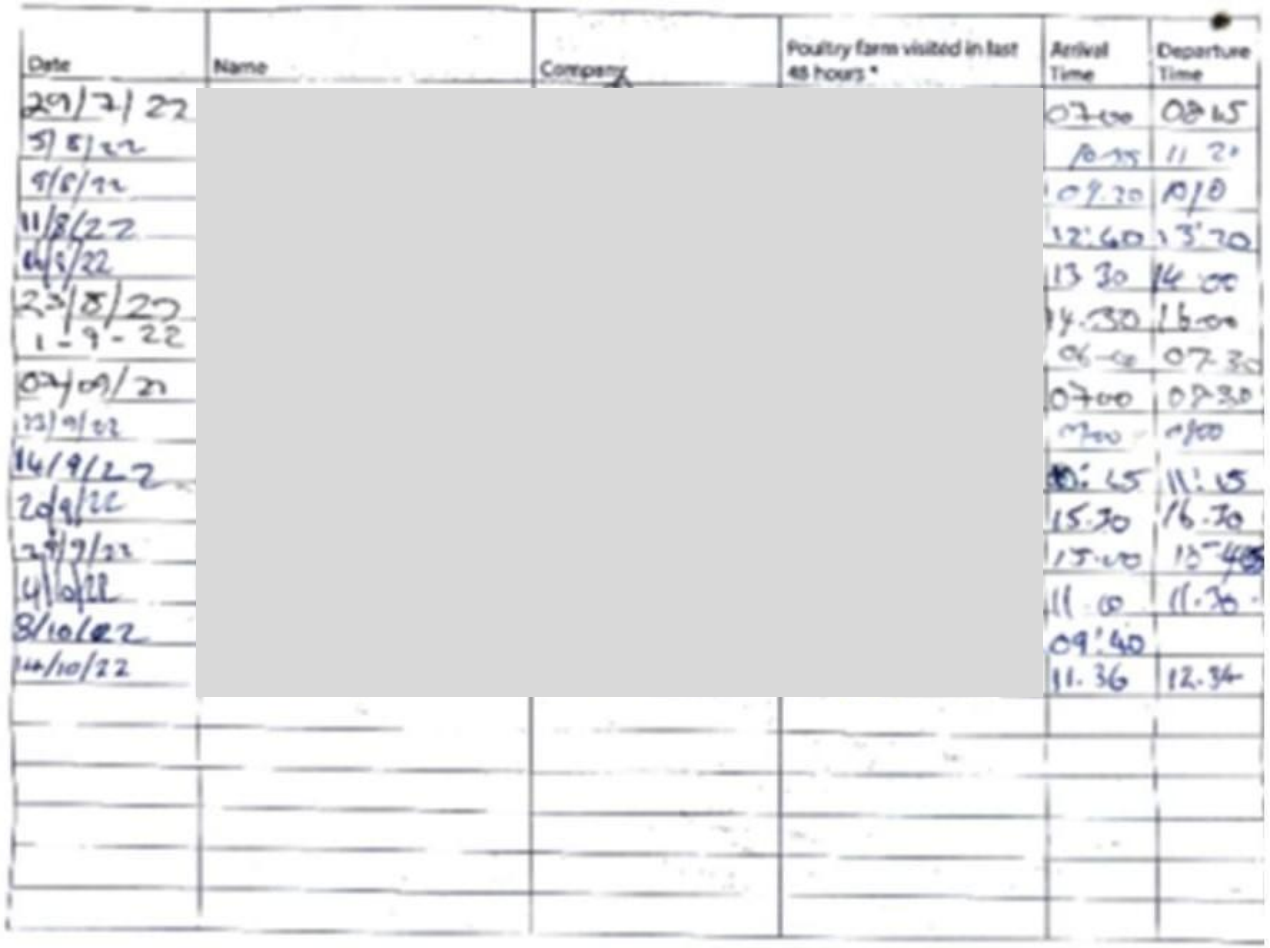
Need to record **all** staff visits, including area managers etc., unless e.g. manager lives on site and not working elsewhere.

25. Visitors' book

Poor

No provision for full name or specific contact details.

No provision of reason for visit or whether bird areas accessed.

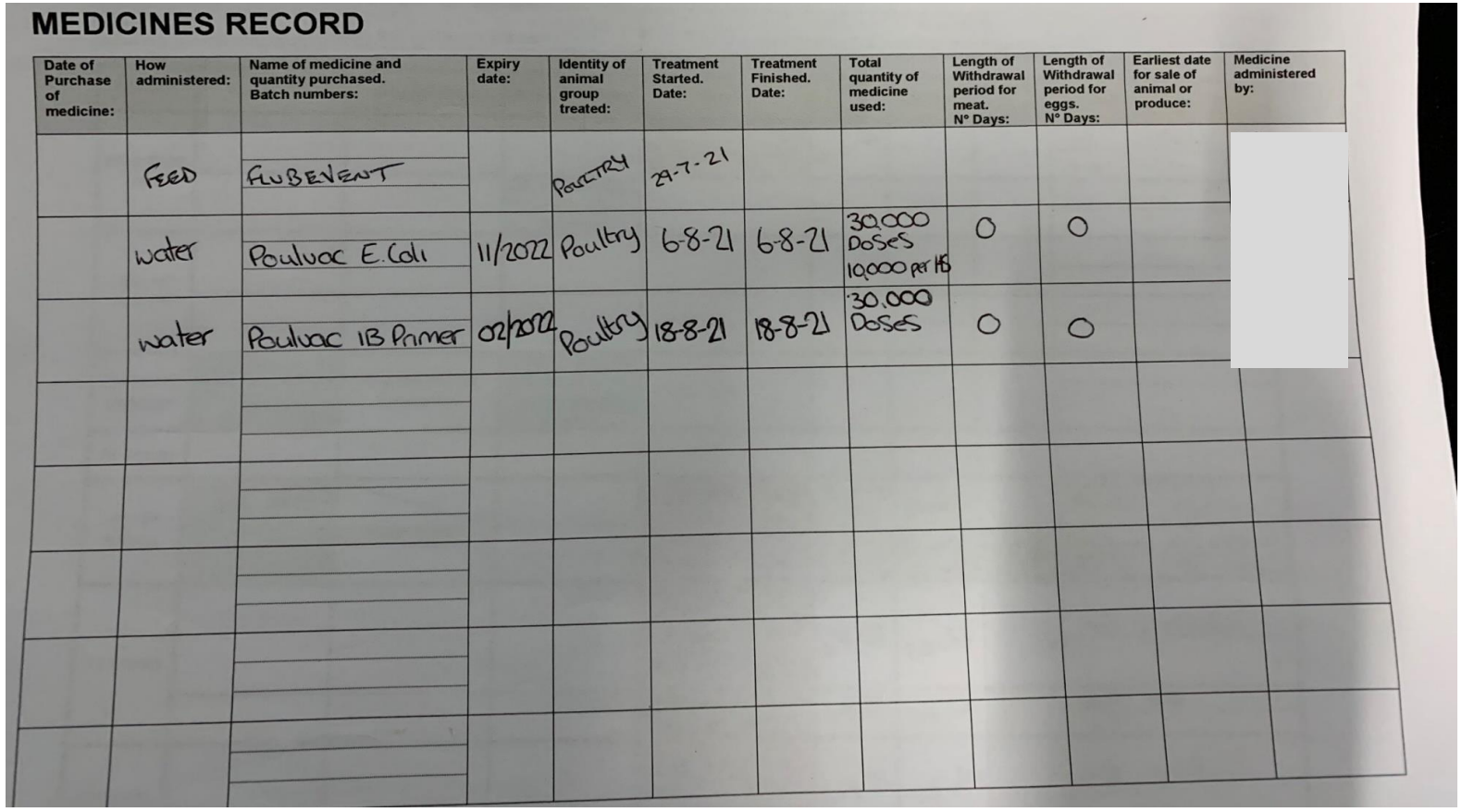


Date	Name	Company	Poultry farm visited in last 48 hours *	Arrival Time	Departure Time
29/7/22				07:00	08:45
5/8/22				10:15	11:20
9/8/22				09:20	10:10
11/8/22				12:40	13:20
16/8/22				13:30	14:00
23/8/22				14:30	16:00
1-9-22				06:45	07:30
02/09/22				07:00	07:30
12/9/22				10:00	10:00
14/9/22				10:45	11:15
20/9/22				15:30	16:30
29/9/22				15:40	15:45
4/10/22				11:00	11:30
8/10/22				09:40	
11/10/22				11:36	12:34

26. Medicines

Good, BUT

Clearly legible medicine records (albeit not complete).



MEDICINES RECORD

Date of Purchase of medicine:	How administered:	Name of medicine and quantity purchased. Batch numbers:	Expiry date:	Identity of animal group treated:	Treatment Started. Date:	Treatment Finished. Date:	Total quantity of medicine used:	Length of Withdrawal period for meat. N° Days:	Length of Withdrawal period for eggs. N° Days:	Earliest date for sale of animal or produce:	Medicine administered by:
	FEED	FLUBENVET		POULTRY	29-7-21						
	water	Poulvac E.Coli	11/2022	Poultry	6-8-21	6-8-21	30,000 Doses 10,000 per 1L	0	0		
	water	Poulvac IB Primer	02/2022	Poultry	18-8-21	18-8-21	30,000 Doses	0	0		

27. Production and Mortality

Ideally in an electronic format (with any password protection disabled, when appropriate) to allow rapid electronic graphing and analysis (with colour coding) to aid production of source and spread timelines.

If not, then must be fully legible.

Avoid use of white boards that are then wiped once weekly data is sent to head office – need daily (to compare with weekly) figures to produce accurate source and spread timelines.

28. Feed and Water

Good

Clearly legible water consumption records.

WEEKLY RECORD SHED 1

Day	Age days	Stock Check 1st	Stock Check 2nd	Temperature max	Temperature min	Water Reading	Water Use	Light %	Light On Hrs	Shavings Use	Soft Chip Use	Straw Use	Stag Feed (Bags)	Notes
M	96	GU	GU	18	14	71478	2588	-11-	-11-					
T	97	GU	PC	19	7	73977	2499	-11-	-11-					
W	98	GU	PC	19	11	76211	2234	-11-	-11-					
T	99	PC	GU	17	13	78899	2688	-11-	-11-					
F	100	PC	GU	18	11	81470	2571	-11-	-11-					
S	101	GU	PC	19	14	84200	2730	-11-	-11-					
S	102	GU	GU	19	14	86512	2312	-11-	-11-					
M	103	GU	AB	20	13	88970	2458	-11-	-11-					
T	104	PC	AB	17	11	91281	2311	-11-	-11-					
W	105	GU	PC	19	11	94058	2772	-11-	-11-					
T	106	GU	GU	20	13	96072	2014	-11-	-11-					
F	107	GU	AB	20	16	98515	2443	-11-	-11-					
S	108	AB	PC	18	13	100109	2504	11	11					
S	109	AB	AB	22	14	103536	2517	11	11					