

## Housing Review for Badcocks Farm Poultry Unit

Farm comprises two present day poultry houses used for rearing turkeys Nos.1-2. Proposing refurbish the interior and equipment in the larger house No.1 for rearing broiler chickens, without any material changes to construction or size as constructed in 2009. Proposing demolish the smaller house No.2 to erect a larger house in same place for rearing broiler chickens. Conducted a housing review in accordance with Environment Agency (2010) EPR 6.09 Sector Guidance Note: How to comply – Intensive Farming Version 2, Appendix 7 Undertaking a housing review. Used the technical standards on poultry housing design and management on pp23-25: -

Table 1 Summary of poultry house

Name of building	Function	Is Building Management BAT or not BAT?	Is Building Design BAT or not BAT?	Is it identified in Housing Improvement Plan?
Poultry house No.1	Rearing broiler chickens	BAT	BAT	Not required

Table 2 Housing improvement plan

Area needing improvement	What needs to be done – possible solutions	Proposed cost	Proposed timescale for completion	Timescale agreed with the Environment Agency
Design changes	N/a	N/a	N/a	N/a
Management changes	N/a	N/a	N/a	N/a

Table 3 Housing design – the route to BAT

Condition	Best available techniques (BAT) used
Does the housing design conform to a BAT standard as set out in How to Comply?	<ul style="list-style-type: none"><li>• Will be well insulated and have a damp proof course, concrete floor poured over a continuous damp proof membrane to prevent water ingress, fully insulated walls and roofs to reduce heat loss and condensation.</li><li>• House will be insulated with a U-value of 0.4W/m<sup>2</sup>/°C, or better.</li><li>• Fan ventilated house with a fully littered floor and equipped with non-leaking drinking system.</li></ul>

Table 4 Housing management - the route to BAT

Condition	Best available techniques (BAT) used
1. Is litter managed to the standards in How to comply?	<ul style="list-style-type: none"> <li>• Litter will be kept loose and friable and its quality will be inspected to ensure it does not become excessively wet or dry. Any change in quality will be investigated, and steps taken to rectify the problem. Solutions may involve: - <ul style="list-style-type: none"> <li>○ Addition of extra material or provision of heating to the problem area. Capping or wet litter will be avoided and may be due to birds drinking and excreting more due to illness, high temperature, a feed problem or increased humidity.</li> <li>○ Use of nipple drinkers with drip cups will minimise water spillage.</li> <li>○ Managing the floor of the house to minimise seepage of water either from the ground or entry of rainfall – an impermeable floor and damp proof course will give the best protection.</li> </ul> </li> </ul>
2. Is ventilation managed to the standards in How to comply?	<ul style="list-style-type: none"> <li>• Ventilation will match the health and welfare needs for the age and number of birds.</li> <li>• Air speeds across the house will not be largely different from one area to another and housing will be free of draughts.</li> <li>• Ventilation rates and house conditions will at all times be adequate to provide sufficient fresh air for the birds. In particular accumulations of ammonia, hydrogen sulphide, carbon dioxide, and dust will be avoided.</li> </ul>
3. Is temperature managed to the standards in How to comply?	<ul style="list-style-type: none"> <li>• Temperature will meet the health and welfare needs for the age and number of chickens.</li> <li>• Extremes of temperature will be avoided, and draughts will be minimised.</li> <li>• Artificial heating will be provided, controls will be used to match heating needs to ventilation needs so that heat is not wasted, by being drawn out of the building</li> <li>• Insulating house will provide a long-term option and will reduce energy consumption.</li> </ul>
4. Does the general management conform to the standards in How to comply?	<ul style="list-style-type: none"> <li>• Floors and walls will be kept clean.</li> <li>• Cracks and damaged areas of floors and walls will be repaired.</li> </ul>