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# Odour Management Plan

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**Planning Application for  
the Erection of a Free  
Range Egg Production  
Unit Including Silos and  
All Associated Works**

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On behalf of Mr Morris

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## Odour Management Plan

### Introduction

The following table sets out:

The likely sources of odour arising from a typical free range egg production unit  
The procedures to be followed in order to prevent or minimise odour levels

#### Typical Odour Sources and Actions to be Taken to Minimise Odours

<b>Odour Related Issue</b>	<b>Potential Risks and Problems</b>	<b>Actions taken to minimise odour and odour risks</b>	<b>Completion date</b>
Manufacture and selection of feed	<ul style="list-style-type: none"><li>•Milling and mixing of compound feeds</li><li>•The use of poor quality and odorous ingredients</li><li>•Feeds which are 'unbalanced' in nutrients, leading to increased excretion and litter moisture and emissions of ammonia and other odorous compounds to air</li></ul>	<ul style="list-style-type: none"><li>•No on-site milling. Mixing of wheat with feed takes place within a closed building</li><li>•Feed specifications are prepared by the feed compounder's nutrition specialist</li><li>•Feed is supplied only from UKASTA accredited feed mills, so that only approved raw materials are used</li></ul>	In place
Feed delivery and storage	<ul style="list-style-type: none"><li>•Spillage of feed during delivery and storage</li><li>•Creation of dust during feed delivery</li></ul>	<ul style="list-style-type: none"><li>•Feed delivery systems are sealed to minimise atmospheric dust</li><li>•Any spillage of feed around the bin is immediately swept up</li><li>•The condition of feed bins is checked frequently so that any damage or leaks can be identified</li></ul>	In place
Ventilation system	<ul style="list-style-type: none"><li>•Inadequate air movement in the house, leading to high humidity and wet litter</li><li>•Inadequate system design, causing poor dispersal of odours</li></ul>	<ul style="list-style-type: none"><li>•The ventilation system is regularly adjusted according to the age and requirements of the flock</li><li>•The ventilation system is designed to efficiently remove moisture from the house</li></ul>	In place

Odour Related Issue	Potential Risks and Problems	Actions taken to minimise odour and odour risks	Completion date
Litter management	<ul style="list-style-type: none"> <li>•Odours arising from wet litter (see above)</li> <li>•The use of insufficient or poor quality litter</li> <li>•Spillage of water from drinking systems</li> <li>•Disease outbreaks, leading to wet litter</li> </ul>	<ul style="list-style-type: none"> <li>•Controls on feed and ventilation (see above) help to maintain litter quality. Additional controls include:-</li> <li>• Use of cupped nipple drinking systems which minimise spillage</li> <li>•Insulated walls and ceilings to prevent condensation</li> <li>•Concrete floors to prevent water ingress</li> <li>•Stocking density at optimal levels to prevent overcrowding</li> <li>•Use of a health plan, with specialist veterinary input used as necessary</li> <li>.The litter used would be sawdust as this is proved to have the best effect of reducing ammonia production</li> </ul>	In place
Carcass disposal	<ul style="list-style-type: none"> <li>• Disposal of carcasses</li> </ul>	<ul style="list-style-type: none"> <li>•Carcasses are placed in the storage containers immediately after they are removed from the house</li> <li>•They are collected by an approved contractor on a regular basis</li> </ul>	In place
House Clean Out	<ul style="list-style-type: none"> <li>•Creation of dust associated with litter removal from houses</li> <li>•Use of odorous products to clean houses</li> </ul>	<ul style="list-style-type: none"> <li>•Litter is carefully placed into trailers positioned at the entrance to each house. When full, the trailer is covered</li> <li>•Only approved and suitable products are used</li> </ul>	In place
Used litter	<ul style="list-style-type: none"> <li>•Storage of used litter on site</li> <li>•Transport of litter and applications to land</li> </ul>	<ul style="list-style-type: none"> <li>•There is no storage of used litter outside the houses at any time</li> <li>•Litter is transported in covered trailers</li> <li>• All litter is spread on land which is under the control of the farming business. A full risk assessment has been undertaken to ensure the availability of enough land for the amount of manure to be produced</li> </ul>	In place
Dirty water management	<ul style="list-style-type: none"> <li>•'Standing' dirty water during the production cycle or at clean out</li> <li>•Applications of dirty water to land</li> </ul>	<ul style="list-style-type: none"> <li>•Areas around the front of the houses are concreted and remain clean during the production cycle</li> <li>•At clean-out, dirty water is directed to underground tanks for storage. It is then spread onto land, under the control of the farming business.</li> </ul>	In place