



ODOUR MANAGEMENT PLAN

DEVELOPMENT: Erection of a Free Range Poultry Unit, 16,000 Birds

LOCATION: Land North of Glanmyddyfi
Pentrefelin
Llandeilo
Carmarthenshire

CLIENT: Mr Terry Davies

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The following tables detail the likely sources of Odour from the Free Range Laying Unit proposed on the land North of Glanmyddyfi.

Actions and measures that will be taken to prevent where possible or minimise odour emissions at the site.

The site plan submitted as part of the planning application confirms all material storage areas and potential odour emission sources.

The plan is to be reviewed every year, prior to any changes (major) being made to any operations, or following a complaint, or changes to any management plan the document is to be dated and signed.

The free range laying unit extension upon the land north of Glanmyddyfi is to be based within a single poultry house, where the levels of odour would be at their highest concentration.

ODOUR RELATED ISSUES	POTENTIAL RISKS	ACTIONS TAKEN TO REDUCE THE ODOUR AND ODOUR RISKS ON FARM	COMPLETION DATE
FREE RANGE POULTRY UNIT 16,000 BIRDS TOTAL	Odour Levels	<p>Twice daily checks coinciding with bird inspections, normally between 07:00-10:00 hours and 16:00-19:00 hours.</p> <p>Any abnormalities to be recorded and investigated.</p>	As and when required
Manufacture and selection of Feed	<p>Milling and mixing of compound feeds.</p> <p>Use of poor quality and odorous ingredients.</p> <p>Feeds which are unbalanced leading to increased excretion of ammonia.</p>	<p>No on site milling to take place.</p> <p>Feed specifications are prepared by a Nutrition Specialist.</p> <p>Feed is supplied only from UKASTA accredited feed mills, so that only approved raw materials are used.</p>	In place
Feed Delivery and Storage	<p>Spillage of feed during delivery and storage.</p> <p>Creation of dust during feed delivery.</p>	<p>Feed delivery systems are sealed to minimise atmospheric dust.</p> <p>Any spillage of feed around the bin is immediately swept up.</p> <p>The condition of the feed bins are regularly checked and routine maintenance undertaken if required.</p>	In place

		Feed deliveries are monitored to avoid dust and spills.	
Ventilation and Dust	<p>Inadequate air movement in the house, leading to high humidity and wet litter.</p> <p>Inadequate system design, causing poor dispersal of odours.</p> <p>Extraction fans located close to sensitive receptors</p> <p>Dust</p>	<p>Use of high velocity gable end extraction fans in the house to aid dispersion, checked prior to the cycle commencement by a qualified electrician who will provide 24-hour breakdown cover.</p> <p>The ventilation system is regularly checked and adjusted to match the age and requirements of the flock.</p> <p>The ventilation system is designed to efficiently remove moisture from the house.</p> <p>Humidity recorded daily and maintained in the range of 55-65% keeping a balance of dry litter and avoiding dust production.</p> <p>Stock inspections carried out only by trained staff to avoid panicking birds therefore creating dust.</p> <p>Dust levels if present controlled during clean out operations.</p>	In Place

Litter Management	Odours arising from wet litter	<p>Controls on feed and ventilation (see above) help to maintain litter quality.</p> <p>Additional controls include;</p> <p>Use of nipple drinkers with drip cups to minimise spillage.</p> <p>Daily checks of drinker height and pressures to avoid capping.</p> <p>Insulated walls and ceilings to prevent condensation.</p> <p>Concrete falls to prevent ingress of water.</p> <p>Stocking levels at optimum to prevent overcrowding.</p> <p>Use of veterinarian bespoke health plan.</p>	In Place
Carcase Disposal	Inadequate storage of carcasses on site.	<p>Carcasses placed into plastic sealed bags, store in sealed, shaded and vermin proof containers away from sensitive receptors.</p> <p>Frequent collection of carcasses.</p>	In Place

		Daily levels of mortalities recorded with abnormalities investigated.	
House Clean Out	<p>Creation of dust associated with litter removal from houses.</p> <p>Use of odorous products during cleaning.</p>	<p>Litter carefully placed into trailers at end of production cycle.</p> <p>Trailers sheeted before leaving fill position.</p> <p>Only DEFRA approved and suitable products used. Chemicals containers triple washed at point of use.</p> <p>Wash water sump levels monitored during washing and emptied as required to prevent overflow.</p>	In Place
Used Litter	<p>Storage of used litter on site.</p> <p>Transport of litter and landspreading.</p>	<p>Storage in sealed manure store.</p> <p>Removal of litter at end of production cycle.</p> <p>All trailers sheeted before leaving fill position. Put in a covered manure store dealt with in accordance with the submitted Manure Management Plan.</p> <p>Litter used on applicants controlled land in line with the Manure Management Plan.</p>	In Place

<p>Washing operations including vehicles</p>	<p>Loss of dirty water to land or watercourse</p>	<p>Use of specialist contractors for washing operations.</p> <p>Bespoke terminal hygiene program followed, detailing quantities of water and chemical dilution rates.</p> <p>Key staff monitoring washing operations ensuring effective drainage to dirty water tanks.</p> <p>Dirty water tanks monitored during wash down to maintain freeboard.</p> <p>Vehicle washing at designated wash point.</p> <p>All sediment traps and drained cleaned both before and after washing operations.</p>	<p>In Place</p>
<p>Fugitive Emissions</p>	<p>Leaks to doors, bin pipes, feed bins, fuel and chemical storage.</p>	<p>Checks to feed storage and fuel pipes.</p> <p>Fuel oil in approved bunded storage tanks.</p> <p>Chemicals – only small amounts of footdip disinfectant held on site in secondary containment.</p>	<p>In Place</p>
<p>Dirty Water Management</p>	<p>Standing dirty water during the production cycle or at clean out.</p>	<p>Working areas around houses are concreted and kept</p>	<p>In Place</p>

	Application of dirty water to land.	cleaning during production cycle. At clean out dirty water from house together with lightly contaminated yard wash is directed to the storage tanks before removed off site and spread to land.	
Abnormal Operations	Water leak/pipe failure Bird Health/Sickness	Water consumption monitored daily ensuring early detection, wet area – blanket covered with top up bedding material to prevent increased odour. Veterinarian contacted (24 hour care) Litter covered with fresh top up bedding to minimise increased odour until bird health recovered. Abnormal events documented, dated and signed, appropriate plans reviewed and updated to prevent re occurrence.	In Place
Waste Production/Storage	Odour from production or storage areas.	No storage or production of odorous waste on site. Waste management plan in force detailing types and quantities produced along with disposal routes. Records to be kept on site.	In Place

		Cleaning Chemicals Supplied and used by cleaning contractor not stored on site.	
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ODOUR COMPLAINT FORM GLANMYDDYFI POULTRY UNIT

REFERENCE NUMBER

DATE RECEIVED

Name and address of the caller	
Telephone number	
Location of caller to installation	
Time and date of complaint of offending odour	

Has the caller any other comments about the odour?	
Other comments from caller	
Weather conditions	
Wind direction/speed	
Any previous complaints relating to this odour?	

Any other comments	
Other information	
Potential source of odour that could give rise to the complaint	
Operations being carried out at time of complaint	
Follow up date and time caller contacted	

Action Taken	
Amendments required to the plan	

Completed By

Dated

Signed