
Manure Management Plan

Erection of two free-range egg production units including silos and associated works at Land North West of Red House Farm, Guilsfield, Welshpool,

Prepared for Mr & Mrs Farmer



land & property
professionals

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Manure Management Plan for Land North West of Red House Farm, Guilsfield

This manure management plan has been prepared for Mr & Mrs Farmer of Red House Farm, Guilsfield.

The holding extends to approximately 134 acres which is owner occupied.

The land holding has been assessed in terms of suitability of individual fields to receive manure. Approximately 4.89 hectares have been excluded from the assessment as being unsuitable for spreading due to topography, sensitive receptor buffers, existing poultry site and the site where the proposed unit will be sited.

A buffer of 10m has been provided to all watercourses and sensitive receptors, and 50m from wells and boreholes, and no spreading will be done in these buffer zones. The farm has therefore sufficient capacity to dispose of all manure produced by all enterprises in accordance with all the relevant regulations and legislation.

Although the applicants have 134 acres of land owned and occupied, we have calculated that they have 38.1ha of spreadable land, when we remove the non-spreadable areas, existing and proposed poultry sites, and buffer zones to sensitive receptors.

The amount of poultry manure applied to a given area in a 12-month period will not contain more than 250kg/ha total nitrogen. Table 1 illustrates this clearly.

The manure storage and disposal will also need to accord with DEFRA's Code of Good Agricultural Practice for the Protection of Air, Water and Soil.

Table 1

Total Manure Production			
Group	Kg N produced	No of animals	Total Kg N (Year)
Laying hens	0.55	12,000	6600
Total N Produced			6600
Spreadable Area			38.1ha
Total N/Ha			173.22

Contingency plan - There are a number of covered areas on the farm to allow for storing any manure, slurry and dirty water produced at times when spreading may not be possible e.g. due to wet, waterlogged or frozen conditions in accordance with the Code of Good Agricultural Practice. This is to ensure manures and slurry are spread at appropriate times to prevent pollution and maximise uptake of nutrients for crop growth.

Wash water will be stored in a dirty water tank below ground which will be compliant with SSAFO Regulations (Wales) 2010 standards and be of sufficient capacity to cope with the build-up of wash water. Once this reaches capacity, it will either be spread on the land directly from a slurry tanker, or taken to the existing slurry pit, which complies with SSAFO regulations.

During and after a potential disease outbreak, the wash water from the unit will be collected by a specified waste services company, which would take the 'hazardous waste' off the farm and dispose of correctly. This will ensure any contaminated wash water/slurry from the outbreak will be kept separate from other manures/slurry on the farm.