



MANURE MANAGEMENT PLAN



DEVELOPMENT: Erection of an Organic Free Range Egg Production Unit including silos and associated works

LOCATION: Cae Mor Farm
Llwynmawr
Llangollen
LL20 7BE

CLIENT: E & J Morris

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MANURE MANAGEMENT PLAN

The Manure Management Plan presented has been prepared for E & J Morris of Cae Mor Farm, Llwynmawr, Llangollen, LL20 7BE.

The farm extends to approximately 18.2 hectares (44.97 acres) which is owner occupied. The farm currently has 16,000 free range hens.

The manure management plan has been prepared for the total stock of 40,000 free range hens.

The assessment below in Table 1 shows the minimum amount of land necessary for the volume of livestock proposed to be carried on the farm.

No manure from the poultry units (existing and proposed) will be spread on site as the farm will be using all of its land for ranging areas.

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

Table 1:

Stock Unit	Number of Stock	Months House	Hectares needed per stock	Total area required (ha)
1000 laying hens	40	N/A	2.32	92.8
Minimum land needed				92.8

Table 2:

Total Nitrogen Production					
Group	Kg N Produced	No of Animals	Total Kg N	Kg N (Year)	Calculation Commentary
Laying hens	0.55	40,000	22,000	22,000	40,000 laying hens will be on the holding 365 days of the year
Total N Produced				22,000	

Table 3:

Total Phosphate Production			
Group	Kg P Produced	No of Animals	Total Kg P (Year)
1000 Laying hens	390	40	15,600
Total P Produced			15,600

Manure Management Plan

All manure will be exported to AD plants belonging to W H Gittins and Sons, Wykey Farm, Ruyton X1 Towns, Shrewsbury, Shropshire, SY4 1JA – Permit Number AB3236AD.

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, and will also be exported off site to Wykey Farm.

During and after a potential disease outbreak, the wash water from the unit will be collected by a specified waste services company or a permitted anaerobic digester, 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 manure/slurry on the farm.