



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

The manure management plan has been prepared for the total stock of 24,000 free range hens.

Table 1 shows the minimum amount of land necessary for the volume of livestock proposed to be carried on the farm. This is estimated at 55.68ha of required land for the purposes of spreading.

All of the manure will be taken off the farm and utilised on farmland within a 3 mile radius of Cae Mor Farm.

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	24	N/A	2.32	55.68
Minimum land needed				55.68

Table 2:

Group	Kg N Produced	No of Animals	Total Kg N	Kg N (Year)
Laying hens	0.55	24,000	13,200	13,200
Total N Produced				13,200

Contingency plan

Manure will be exported to AD plants to allow for 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.

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.



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