



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

Roger Parry & Partners LLP
The Estates Office, 20 Salop Road, Oswestry, Shropshire, SY11 2NU
Tel: 01691655334 Fax: 01691 657798
Email: richard@rogerparry.net

*Also at: 11 Severn Street, Welshpool, Powys, SY21 7AG
Tel: 01938 554499 Fax: 01938 554462
email: welshpool@rogerparry.net*

*Also at: Hogstow Hall, Minsterley, Shrewsbury, SY5 0HZ
Tel: 01743 791336 Fax: 01743 792770
email: mail@rogerparry.net*

March 2021



The Estates Office
20 Salop Road
Oswestry
SY11 2NU

Phone 01691 655334

richard@rogerparry.net
www.rogerparry.net

Offices also at Minsterley & Welshpool

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.

All manure will be exported off site by Gamber Logistics Ltd (see letter below).

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



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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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E & J Morris
Cae Mor Farm
Llwyn Mawr
Pontfadog
Llangollen
LL20 7BE

22nd March 2021

Dear Sirs

**TO WHOM IT MAY CONCERN – PROPOSED ORGANIC EGG PRODUCTION
UNIT AT CAE MOR FARM, LLWYN MAWR, PONTFADOG, LLANGOLLEN,
LL207BE**

Gamber Logistics Ltd is contracted to purchase poultry litter produced on sites operated by poultry processors, breeders and contract growers throughout the Midlands and Wales. We handle around 75,000 tonnes of litter per annum across > 75 sites and distribute it to more than 200 customers. We are willing to purchase all of the poultry manure from the site above.

The litter is sold to farms as a replacement for artificial fertilisers, as a feedstock for anaerobic digesters or for the manufacture of mushroom compost. The litter is sold by FACTS qualified salesmen, who are able to give advice, when required, on all compliance issues associated with organic manures, including but not limited to COGAP for Soil, Water and Air, NVZ regulations, the Farming Rules for Water, cross compliance and nutrient management planning.

Our customers are required to sign a statement acknowledging their responsibilities relating to the relevant legislation when transporting, storing and spreading litter. Duty of Care notes are produced for litter sent to AD plants.

Gamber Logistics keep electronic records of all sales, including customers names and addresses, dates of collection/delivery, and tonnages. These records are forwarded to site operators on a regular basis.

For further information, please see www.gamber.co.uk

Yours sincerely

Operations Director
Gamber Logistics Ltd
07977 026211 (mobile)
01432 806000 (office)