## MARTIN O DONOVAN'S PIG FARM COOLIGBOY, TIMOLEAGUE, BANDON, CO CORK

# ATTACHMENT NO. 3

# FLORA & FAUNA REPORT

# FLORA & FAUNA REPORT

# FOR

# MR MARTIN O DONOVAN'S

# PIG FARM

# AT

# COOLIGBOY, TIMOLEAGUE, BANDON, CO CORK

#### 1. Introduction:

This report which reviews the ecology of the proposed site whereupon it is proposed to construct the new sow housing accommodation with new modern design buildings, adjacent to the existing pig farm is required to support a planning application for the development of said buildings at Cooligboy, Timpoleague, Bandon, Co Cork.

#### 2. FLORA & FAUNA IN THE EXISTING ENVIRONMENT

#### 2.1 Habitat types

The survey area around the proposed development site is currently an open grassland area, which appear's to be paddocked for grazing

From an ecological viewpoint the survey area of grassland areas and hedges are of interest2.1. (a)

#### (a) Grassland/tillage

The grassland areas adjacent to the site all obviously well managed land which has also been fertilised with manures resulting in fields dominated by agricultural grasses such as ryegrass (Lolium sp.) Although other grasses such as fescue (Festuca sp.), cocksfoot (Dactylis glomerata), Yorkshire fog (Holcus lanatus) and bents (Agrostis sp.) are present and although some of these grass species will be wild strains, the vegetation is dominated by agricultural cultivars selected for their vigour. Such a distribution is to be expected where farming is intensive and where much of the land is improved pasture. Where broad-leaved plants are present they consist primarily of clover (Trifolium sp), dock (Rumex sp.), thistle (Cirsium sp), ragwort (Senecio jocobacea) and nettle (Urtica diocia). These are all common species, many of which thrive in fertile ground

Given the nature of the grassland areas, it is considered extremely unlikely that any rare, endangered or uncommon

species are present within these habitats and no such species were noted

#### 2.1.(b) (b) Hedgerows

In intensive managed agricultural systems species diversity is often greatest at habitat interfaces such as hedges, ditches and herbaceous strips between fields. Studies have shown that almost 45% of flora may exist in these habitats, which may cover 8 - 10% of the landscape (Buckley 1989). Mature hedgerows therefore fulfil an important role on intensively farmed land where, in addition to providing food and nesting sites, they function as wildlife corridors allowing fauna to move easily from one habitat to another.

Typical tree hedgerow species include hawthorn (Crataegus monogyna), ash (Fraxinus excelsior) and sycamore (Acer psuedoplatanus) and these species make up the majority of the hedges surveyed. Other woody species include furze (Ulex europeas), elder (Sambucus nigra), bramble (Rubus fruticosis), ivy (Herera helix) honeysuckle (Lonicera periclymenum) and bindweed (Calystegia sepium). Typical understorey plants include hartstongue fern (Phyllitis Scolopendrium), nettle (Urticadiocia), Woodavens (Geun Urbalum), Hedge woundwort (Stachys Sylvaticia), Herb Robert (Geranium Robertianum), umbellifers such as hogweed (Heraclbum Sphondylium) and Cow Parsley (Anthriscus Sylvestris) and barren strawberry (Potentilla sterils)

## 2.1(e) Fauna

Birds noted during the survey included species normally common in mixed farmland of this type including members of the crow family (corvus sp), pigeon (columba palumbus) and blackbirds (turdus merula), wren (troglodytes troglodytes), and kestrel (falco tinnunculcus). Other common birds include wagtail (montacilla sp), members of the tit family (parus sp), thrushes (turds sp), and other finch species

A number of the mammal species utilize farmland habitats including field mouse (apodmus sylvatica), brown rat (rattus norvegicus), rabbit (oryclalagus coliculus), fox (vulpes), badger (meles meles), irish hare (lepus timidius hibernicus). Of the three Irish amphibians, only the common frog (rama tenporaria) is likely to be present in low numbers. Invertrabraes species on this type of ground will include a number of common species but the presence of rare species is considered unlikely.

It is considered very unlikely that these developments will impact negatively on vertebrate life as these lands are already intensively farmed. As such the vertebrate present on this type of ground will be typical of intensively farmed agricultural land and no additional impacts would be expected from a continuation of this type of farming.

## MARTIN O DONOVAN'S PIG FARM COOLIGBOY, TIMOLEAGUE, BANDON, CO CORK

# ATTACHMENT NO. 4

ARCHAEOLOGICAL REPORT

# ARCHAEOLOGICAL REPORT

# **FOR SITE**

**OF** 

# MARTIN O DONOVAN'S PIG FARM

AT

COOLIGBOY, TIMOLEAGUE, BANDON, CO CORK

#### 1. SCOPE OF THE STUDY.

This report assesses the impact on the archaeological environment if any, of the construction of the proposed new sow housing development, with new modern design buildings, adjacent to the existing farm at Coolgboy, Timoleague, Bandon, Co Cork.

#### 2. RESOURCE MATERIAL CONSULTED.

The archaeological status of the lands where it is proposed to construct these new buildings, adjacent to the existing pig farm was established by consulting the 'SITES AND MONUMENTS RECORD (SMR) for County Cork.

#### 3. ARCHAEOLOGICAL MONUMENTS IDENTIFIED.

This review indicates that there are no archaeological sites on or adjacent to the area referenced.

# 4. IMPACT OF PROPOSED DEVELOPMENT OF NEW LOOSE SOW HOUSE ADJACENT TO EXISTING PIG FARM ON THE ARCHAEOLOGICAL ENVIRONMENT.

The construction of these proposed developments will require minimal ground disturbance, which when overlayed with the lack of evidence of any historical sites from SMR Records for Co Cork, it is clear this proposed development poises no immediate danger to any listed sites.

#### 5. THE SITE.

A review of the archaeological Sites & Monuments Record Maps (1925), indicates that there are no archaeological sites recorded on or adjacent to this proposed site

#### **SUMMARY**

- (i) There are no archaeological sites recorded on or adjacent to this proposed development site.
- (ii) There is no known archaeological reason to prohibit the construction of the above mentioned buildings.

MARTIN O DONOVAN'S PIG FARM COOLIGBOY, TIMOLEAGUE, BANDON, CO CORK

#### ARCHAEOLOGICAL REPORT: JULY 2009

On 9th January 2009 Cork County Council completed the Review of the County Development Plan 2003 and formally adopted the Cork County Development Plan 2009, which came into force on 6th February, 2009, which included the objectives listed below relevant to Archaeology

Development Plan Objectives: Archaeology		
ENV 3-1	Sites, Features and Objects of Archaeological Interest (a) It is an objective to safeguard sites, features and objects of archaeological interest generally. (b) It is an objective of the Planning Authority to secure the preservation (i.e. preservation in situ or in exceptional cases preservation by record) of all archaeological monuments included in the Record or Monuments and Places as established under Section 12 of the National Monuments (Amendment) Act, 1994, and of sites, features and objects of archaeological and historical interest generally.  In securing such preservation, the planning authority will have regard to the advice and recommendations of the Department of the Environment, Heritage and Local Government.	
ENV 3-2	Newly Discovered Archaeological Sites It is an objective to protect and preserve archaeological sites discovered since the publication of the Record of Monuments and Places.	
ENV 3-3	Zones of Archaeological Protection It is an objective to protect the Zones of Archaeological Potential located within both urban and rural areas as identified in the Record of Monuments and Places.	
ENV 3-4	Archaeology and Infrastructure Schemes The Council will have regard to archaeological concerns when considering proposed service schemes (including electricity, sewerage, telecommunications, water supply) and proposed roadworks (both realignments and new roads) located in close proximity to Recorded Monuments and Places and the Zones of Archaeological Potential.	
ENV 3-5	Underwater Archaeology It is an objective to protect and preserve the archaeological value of underwater archaeological sites. In assessing proposals for development, the	

## MARTIN O DONOVAN'S PIG FARM COOLIGBOY, TIMOLEAGUE, BANDON, CO CORK

# ATTACHMENT NO. 5

LANDSCAPING REPORT

# Landscaping Proposal

Martin O' Donovans Pig Unit, Cooligboy, Timoleague, Bandon, Co. Cork

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#### 2. Introduction

NRGE are required on behalf of Martin O'Donovan to prepare a landscaping proposal in respect of expansion of his pig unit in Cooligboy, Timoleague, Bandon, Co. Cork

#### 3. Description

On inspection the above farm on behalf of NRGE Ltd, Mooresfort, Lattin Co. Tipperary. I found that the site is on an incline and is partially visible from a number of locations adjacent to the public roadway, the land surrounding is generally undulating so the site is visible from some areas but not others.

There is some existing screening, but this proposed development, introducing an earthen burm adjacent to the proposed unit provides an ideal opportunity to screen this site.

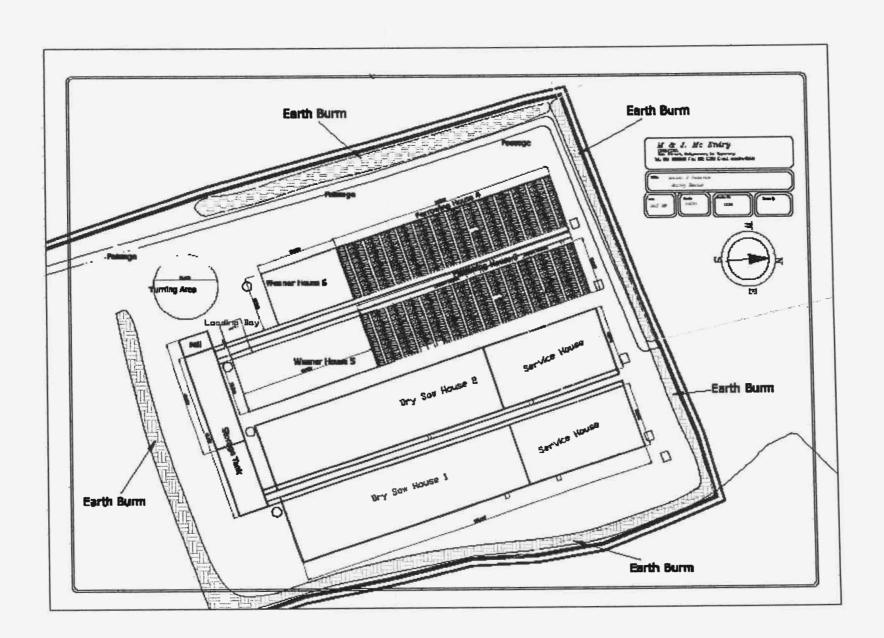
#### 4. Recommendations

Excavation for the proposed development of the site will generate a small excess of material over the requirements for re-instating surrounding the proposed buildings. I propose that this excess inert material be stock-pilled to form a burm along three sides of the site.

In order to minimise visual impact of the site I propose the planting a minimum of three rows of native species: Holly (*Ilex Aquifolium*), Alder (*Alnus Glutinosa*) and Hazel (*Corylus*). These native species trees will act as a screen around the site.

The proposed specifications for the planting schedule are;

- 1. Planting to take place in October (as soon as transplants become available).
- 2. Use 60 90 cm transplants.
- 3. Spray the site with round-up (4 litres/Ha) pre-planting to eliminate competing weeds.
- 4. Pit plant all trees at 2.5 metre spacing's for good silvacultural practice.
- Three rows will be adequate to achieve screening, i.e. two deciduous and one evergreen.
- 6. Some specimen plants to be planted at the site entrance.



# MARTIN O DONOVAN'S PIG FARM COOLIGBOY, TIMOLEAGUE, BANDON, CO CORK

# ATTACHMENT NO. 6

# PIG WELFARE REQUIREMENTS



# PIG WELFARE REQUIREMENTS



European Communities (Welfare of Calves and Pigs) Regulations, 2003. (S.I. No. 48 of 2003). European Communities (Protection of Animals kept for Farming Purposes) Regulations, 2000. Diseases of Animals (Protection of Animals during Transport) Orders1995, 1997, 2001

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#### INTRODUCTION

Market changes within the European Union are influenced by changes in thinking of consumers and their demands. Changes in legislation follow to reflect this evolving process. Consequently, change within pig farming practices become necessary to keep a foothold within this evolving market place. The strongest focus on change falls on food safety, animal welfare and the environment.

The key to good welfare of pigs is good health and the ability to express natural behavior. These two basic criteria form the logic and foundation on which pig welfare legislation is built. Good pig health stems simply from the provision of food and water within a clean environment. Pigs, as all animals, possess an internal drive to express their behaviour in a natural way. Depressing this internal drive negatively affects the capacity of pigs to cope. Ultimately, excessive pressure on natural behaviour over-stretches their coping capacity. This causes undue stress on pigs within the farm environment (e.g. high stocking densities, poor ventilation, dim light, lack of rooting material, elevated chronic disease levels). Such stress levels lead to a breakdown in health and welfare. This in turn slows daily liveweight gain and negatively affects achievement of targets on farm.

Promotion of the good welfare of pigs, through minimum standards for pig health and expression of natural behaviour, is at the core of recent amendments in European and Irish legislation. These amendments come into force from the 1st of January 2003, with some derogations until 2006 and 2013 as explained below.

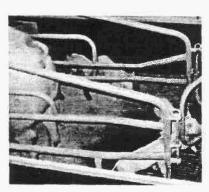
The obligation on pig farmers to ensure the welfare of pigs in their care fall under three broad categories. These are:

- 1. Pig health and behaviour.
- 2. The environment in which the pigs are kept.
- 3. The management and husbandry systems on the farm.

1. PIG HEALTH AND BEHAVIOUR

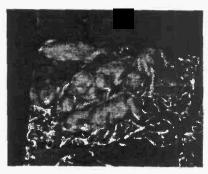
The welfare of pigs can be ensured by maintaining a good standard of health and by providing an environment which allows for the expression of natural behaviours. The responsibility for the care and welfare of pigs kept on farms lies with the herd owner or with the person in charge of the pigs. A flexible 'Health and Welfare Programme', dedicated to the unit, is the best method of achieving the required standards. The requirements in this section are outlined below.

- 1.1 All pigs All pigs must be able to lie down, rest and stand up without difficulty. All pigs must have a clean area to rest. All pigs must be able to see other pigs.
- 1.2 Boars Boars must be able to turn around. They must be able to see, smell and hear other pigs. Their pen must provide them with at least 6m<sup>2</sup> unobstructed floor area, including a clean resting area. If the pen is used for natural service it must be larger. From 1.1.2003 any such new or renovated service pens must be at least 10m<sup>2</sup>. From 1.1.2005 all such pens for natural service must be at least this size.



1.4 Piglets Piglets must be provided with a source of heat. The lying area must be solid and comfortable and allow all the piglets to rest at the same time. Piglets must be protected from over-lying by the sow.

1.3 Sows and gilts Sows and gilts must be treated for internal and external parasites and be clean before moving to the farrowing area. Sufficient space must be provided behind the sow or gilt to allow natural or assisted farrowing.



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Suckling access to the sow must be unhindered. Tail and tooth clipping may only be performed where either of two situations arise i.e. (a) where damage to sows' teats or (b) tail biting of other pigs cannot otherwise be prevented. Where practiced, such procedures must be done before 7 days of age.

- 1.5 Weaning age Piglets may not be weaned before 28 days of age, unless the health or welfare of the sow or piglets would otherwise be affected. An exception to this rule allows for earlier weaning which must be no younger than 21 days of age. In this situation separate specialised accommodation must be provided for the weaned pigs. This accommodation must be fully cleaned and disinfected prior to the introduction of each new group of weaners.
- **1.6 Weaners** Weaners must be grouped as soon as possible after weaning to form stable groups. Subsequent mixing must be minimised to avoid risk of aggression.

#### 2. ENVIRONMENT

The standard of accommodation also has a significant bearing on the welfare of pigs. A minimum level of safety, design and maintenance is required.



- **2.1 Housing materials** All housing materials (especially crates, feed and water supply equipment and electric circuits) must be made of materials and maintained so that they are not harmful to the pigs. Such materials must be easy to clean and disinfect (except electrics).
- **2.2 Floors** Floors must be smooth and non-slippery. They must be adequately

drained and suitable for the age, weight and type of pig. From 1.1.2003, any new or renovated systems must be designed to meet extra specific technical requirements (see 3.6, 3.9 – 3.13 below).

**2.3 Lighting** All pig accommodation must be well lit (at least 40 lux) for 8 continuous hours a day. The light source may be either natural or artificial.

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This may be achieved by windows or by artificial light connected to a timer. It is illegal to keep pigs in continuous darkness. An adequate source of light must be available to inspect the pigs at any time.

**2.4 Ventilation** The ventilation, heating and insulation system must ensure adequate air circulation. These systems must ensure that the temperature, dust levels, relative humidity and gas concentrations are not harmful to the pigs.



- **2.5 Noise** Pigs must not be exposed to continuous noise which is louder than 85 decibels.
- **2.6 Fire alarm** A fire alarm is required which must be tested at least once a month and maintained in proper working order.

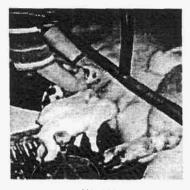
#### 3. MANAGEMENT

The factor which links a good standard of environment with pig health and welfare is management. The stockman must inspect the pigs daily and ensure that the basic welfare needs of the pigs are met (e.g. adequate feed and

water supply, ventilation, hygiene, care of sick pigs and correct stocking density).

The requirements of this section are outlined as follows:

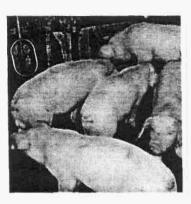
3.1 Experienced personnel There must be a sufficient number of experienced personnel to look after the pigs. Any person who employs staff on a pig farm is legally obliged to ensure that the staff have been given instruction and guidance on pig welfare and that they are familiar with the pig welfare legislation.

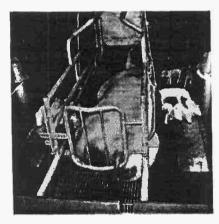


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3.2 Feed and water Pigs must be fed an adequate and nutritional diet at least once a day. The diet must be adapted to the age, weight and behavioural and physiological needs of the pigs to promote a positive state of well-being. To reduce aggression and bullying, each pig kept in a group must have access to feed at the same time, unless the group is fed ad lib or by an electronic sow feeding system. All pigs over 2 weeks of age must have permanent access to a sufficient supply of fresh water. This equally applies to sick pigs.





3.3 Cleaning and disinfection Accommodation and equipment with which the pigs come in contact must be cleaned and disinfected with an approved disinfectant to prevent cross-infection and the build up of disease causing organisms. Faeces, urine and uneaten or spilt food must be removed, as necessary, to prevent a fly or rodent problem developing.

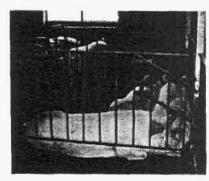
**3.4** Health and welfare inspection The health and welfare of all pigs must be inspected at least once a

day. Any sick or injured pigs or victims of aggression, must be treated appropriately without delay. If necessary, such pigs should be isolated and receive veterinary attention. Specific hospital pens should be available with dry, comfortable bedding. Water must be provided even if the pigs are normally wet fed, as sick or injured pigs may be off their food, but yet need to drink.

**3.5 Sick and injured pigs** Terminally sick and severely injured pigs must be euthanased humanely. They must not be allowed to linger indefinitely when treatment has not been successful. Pigs should be euthanased by a

veterinary practitioner or by a stockman using an approved method. The stockman must be trained and competent in any such procedure adopted on farm.

- **3.6 Pens for sick, injured or bullied pigs** Sick, injured or bullied pigs may be transferred temporarily from group pens to individual pens. From 1.1.2003 such pigs must be able to turn around easily in the pen in any newly built or renovated holding. From 1.1.2013 all such pens must allow pigs to turn around easily.
- 3.7 Inspection of automated or mechanical equipment All automated or mechanical equipment essential for the well-being of the pigs must be inspected at least once a day. Any defects must be rectified immediately or an alternative backup employed. This particularly applies to the feed and water supply and to ventilation. Where pigs are dependant on mechanical ventilation, a back-up system must be in place to maintain a supply of fresh air. The housing must be alarmed to inform the owner or person in charge of a breakdown. The alarm must be tested at least once a month and maintained in proper working order.
- **3.8 Tethers** It is essential, where tethers are still used, that they must be inspected regularly and closely. Tethers that become tight can cause serious injury and chronic pain. The introduction of tethers into new houses has been banned since 1.1.1996. Their routine use will be completely prohibited from 1.1.2006. From this date, buildings already used to house sows and gilts in tethers prior to 1.1.2003, may convert to stalls or group pens. After 1.1.2006 tethers may be used for a brief period e.g. treatment administration; A.I. service.
- 3.9 Stalls and group housing of sows and gilts after service. New rules apply from 1.1.2003 in any houses which are newly built or rebuilt or brought into use for the first time. Sows and gilts must be kept in groups during the period starting from 4 weeks after service to 1 week before the expected time of farrowing. Buildings already used to house sows



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and gilts in stalls prior to 1.1.2003 may continue as they are until 1.1.2013.

Ultimately, all sows and gilts must be group housed during the period starting from 4 weeks after service to 1 week before the expected time of farrowing by 1.1.2013.

- **3.10 Dimensions of group pens for sows and gilts after service** Group pens must have sides greater than 2.8 metres in length. However, if the group is smaller than 6, the pen side length must be at least 2.4 metres.
- **3.11 Space requirements in group pens for sows and gilts after service** (See Tables 1-3 below). The total unobstructed floor area available in a group pen must be at least 1.64 m<sup>2</sup> for each gilt and 2.25 m<sup>2</sup> for each sow. However, if the group is comprised of fewer than 6 gilts the minimum space must be increased by 10% to 1.81m<sup>2</sup> for each gilt. Similarly, if the group is comprised of fewer than 6 sows the minimum space must be increased by 10% to 2.5m<sup>2</sup> for each sow.

If, on the other hand, the groups size is greater than 40, there is the option of decreasing the space for each pig by 10%, i.e. 1.48m<sup>2</sup> for each gilt and 2.025m<sup>2</sup> for each sow, which takes account of the space shared by pigs.

**3.12** The lying area in group pens for sows and gilts after service (See also Tables 1-3 below). Part of the floor space within group pens must be a designated lying area in the form of a continuous solid floor i.e. the drainage openings must be no more than 15%. There must be at least 0.95m<sup>2</sup> of this flooring available to each gilt in a group pen. Similarly, there must be at least 1.3m<sup>2</sup> of this flooring available to each sow in a group pen. The remainder of the floor may be either solid or slatted.

Table 1: Group pens for 5 sows /served gilts or less

Minimum pen side length	Area	m2
2.4 m	Minimum total floor area /sow	2.5
	Minimum total floor area /gilt	1.81
	Minimum exercise area /sow	1.2
	Minimum exercise area /gilt	0.86
	Minimum lying area /sow	1.3
	Minimum lying area /gilt	0.95

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Table 2: Group pen for 6 to 39 sows/served gilts

Minimum pen- side length	Area	m2
2.8 m	Minimum total floor area /sow	2.25
	Minimum total floor area /gilt	1.64
	Minimum exercise area /sow	0.95
	Minimum exercise area /gilt	0.69
	Minimum lying area /sow	1.3
	Minimum lying area /gilt	0.95

Table 3: Group pen for 40 or more sows / served gilts

Minimum pen- side length	Area	m2
2.8 m	Minimum total floor area /sow	2.025
	Minimum total floor area /gilt	1.48
	Minimum exercise area /sow	0.725
	Minimum exercise area /gilt	0.53
	Minimum lying area /sow	1.3
	Minimum lying area /gilt	0.95

# **3.13 Details of concrete slats for all pigs** If floors are made with concrete slats, then the following dimensions must be used:

Table 4: The maximum width of the slat opening must be no more than:

Pig category	Maximum slat opening
Piglets	11mm
Weaners	14mm
Finishers	18mm
Sows and gilts	20mm

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Table 5: The minimum slat width must be at least:

Pig category	Minimum slat width	
Piglets and weaners	50mm	
Finishers, sows and gilts	80mm	

# **3.14 Stocking densities for finishing pigs** Finishing pigs must not be kept in overcrowded conditions.



Table 6: The current minimum space requirements for growing pigs. (These figures are to be reviewed in a Commission report following research in 2008):

Average weight	Min. space/pig (m²)
Up to 10 kg	0.15
10 – 20 kg	0.2
20 – 30 kg	0.3
30 – 50 kg	0.4
5085 kg	0.55
85 –110 kg	0.65
More than 110 kg	1.0

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**3.15 Environmental enrichment** From 1.1.2003 all pigs in holdings which are newly built or rebuilt or brought into use for the first time must be provided with manipuable material. This includes boars, dry and lactating sows and gilts. However, this requirement does not apply to sows and gilts until 1.1.2013 in those houses which have been in use since before 1.1.2003.

Manipuable material has two functions: (a) to satisfy the rooting and investigatory behaviour of pigs and (b) to reduce the risk of injuries due to vices (e.g. tail biting). Examples of manipuable material are chopped straw, hay, wood, sawdust, mushroom compost, peat or a mixture of such materials. Whatever material is used, it must not affect the health of the pigs.

**3.16 High fibre food for sows and gilts** From the 1.1.2003, all dry pregnant sows and gilts must be given sufficient quantity of bulky or high-fibre food in addition to their normal energy food. This requirement is to prevent these animals from suffering from hunger throughout pregnancy and to satisfy their need to chew. This is a separate and quite different requirement from manipuable material, unless the manipuable material is edible e.g. sows group housed on straw, where the straw both serves as manipuable material and satisfies their hunger. (The requirement for added fibre does not apply to lactating sows as they are fed enough to prevent hunger developing).

Table 7: Exceptions to the legislation on pig welfare which applies from the 1st January 2003.

REQUIREMENT	OPERATIONAL DATE
Installation of new tethers for sows/gilts	Prohibited since 1.1.1996
Complete prohibition on tethers for sows/gilts. (This includes lactating sows).	1.1.2006
Group housing of pregnant sows and gilts from 4 weeks after service and 1 week prior to farrowing	1.1.2003 in any houses built or rebuilt or brought into use for the first time
Houses with tethered sows or gilts in use prior to 1.1.2003	Convert to stalls or group housing by 1.1.2006

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Table 7 (contd.)

REQUIREMENT	OPERATIONAL DATE
Houses with pregnant sows or gilts in stalls in use prior to 1.1.2003	Convert to group housing from 4 weeks after service and 1 week prior to farrowing by 1.1.2013
All pregnant sows and gilts in group housing from 4 weeks after service and 1 week prior to farrowing	1.1.2013
Pens for sick, injured or bullied pigs	From 1.1.2003 such pigs transferred to individual pens must be able to turn around easily in any newly built or renovated holding. From 1.1.2013 all such pens must allow pigs to turn around easily.
Permanent access to manipuable r (i) for all growing pigs (ii) for sows, gilts and boars	naterial 1.1.1995 1.1.2003 in any houses built or rebuilt or brought into use for the first time 1.1.2013
(iii) for all sows, gilts and boars  New details for concrete slatted floors	1.1.2003 in any houses built or rebuilt or brought into use for the first time
All concrete slatted floors	1.1.2013
Boar pens 6m <sup>2</sup> unobstructed floor area	1.1.1995
Boar pens used for natural service must provide 10m <sup>2</sup>	1.1.2003 in any houses built or rebuilt or brought into use for the first time
All boar pens used for natural service must provide 10m <sup>2</sup>	1.1.2005

Department of Agriculture and Food - The Welfare of Pigs on Farm and In Transit  $page\ 12$ 

# THE WELFARE OF PIGS DURING TRANSPORT

#### 1. PIG HANDLING

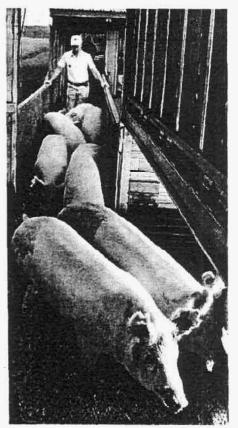
Any person involved in the transport of pigs is legally obliged to handle them with care and not to mistreat them. Pigs must not be transported in such a way as is likely to cause injury or unnecessary suffering.

During transport, including at loading and unloading, pigs must not be suspended by mechanical means, nor lifted or dragged by the head, ears, legs or tail.

1.1 Fitness to Travel It is illegal for anyone to cause or permit the transport of pigs unless they are fit for the intended journey. Suitable provision must be made for their care during the journey and on arrival at their place of destination.

A pig may be unfit to travel if it is new-born, aged, diseased, ill, injured or fatigued. It is illegal to transport a pig if it has given birth within the preceding 48 hours or likely to give birth during transport. Navels of new-born pigs must be dry and fully healed.

However, it is permitted that pigs which are only slightly ill or injured may be transported, so long as the transport will not cause them unnecessary suffering.



Department of Agriculture and Food – The Wellare of Pigs on Farm and In Transit
page 13

- **1.2 Segregation during Transport** Adult boars must be separated from females during transport.
- **1.3 Space** The transporter must ensure that the vehicle is not overcrowded. Pigs must be accommodated in such a way as to avoid any risk of injury or unnecessary suffering.

Pigs must be provided with adequate space to stand in their natural position. Where necessary, partitions must be used to protect the pigs from injury due to vehicle motion. Pigs must be given sufficient space so that all can lie down at the same time. Finished pigs of 100 kg must be given at least 0.425m<sup>2</sup> each. Alternatively, the loading density on board must not exceed 235kg/m<sup>2</sup> for pigs of 100kg.

Pigs are particularly sensitive to heat stress. Consequently, the stocking density should be further reduced during hot weather, especially when transporting cull sows or boars.

Any means utilized to encourage the movement of pigs must not cause any unnecessary pain or suffering.

# 2. VEHICLE STRUCTURE AND MAINTENANCE

The vehicle must be suitable to transport pigs. The vehicle must be escapeproof and sufficiently strong to bear the weight of the pigs it is to carry. The walls, partitions, floors and side-protection gates must be free of any sharp edges, protrusions, gaps, holes and spaces that are likely to cause injury. Slippery conditions on floors must be avoided.

**2.1 Ventilation and Inspection** Sufficient apertures must be provided in the walls of the transport vehicle to provide adequate ventilation for the pigs.

Sufficient space must be provided inside the pigs' compartment and at each of its levels (tiers) to ensure that there is adequate ventilation above the pigs when they are in their natural standing position. Apertures suitable for the inspection of pigs during transport must be provided.

**2.2 Roofs** The vehicle should be fitted with a strong, weatherproof roof which protects all pigs on board. The roof must also prevent the pigs from escaping. Care must be exercised, however, as the placing of a roof on an existing vehicle may compromise ventilation requirements.

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**2.3 Ramps** Suitable equipment for loading i.e. ramps including the slats; bridges; gangways and side-protection gates, must be used. Ramps must be sufficiently well maintained to prevent slipping, tripping or injuries. (It is highly recommended that pigs are unloaded on the level).

#### 3. VEHICLE CLEANLINESS

Vehicles must be thoroughly clean prior to loading and, where appropriate, disinfected.

In multilevel transport vehicles, floors must be impervious to excreta to prevent pigs below from becoming soiled.

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Department of Agriculture and Food - The Welfare of Pigs on Farm and In Transi page 16 Department of Agriculture & Food Agriculture House Kildare Street, Dublin 2, Ireland



## MARTIN O DONOVAN'S PIG FARM COOLIGBOY, TIMOLEAGUE, BANDON, CO CORK

# ATTACHMENT NO. 7

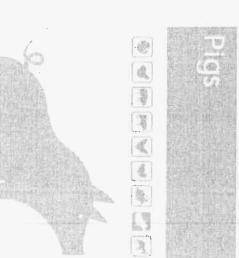
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Code of Recommend



Recommendations for the Welfare of Livestock: Pigs

Note

After consultation, this Code, Ninch consists of paragraphs 3 to 127h has been put before both Houses of Parliament for authority to issue it under Section 3 of the Agricultine Miscellaneous Provisional Act 1968.

This Section allows "the Ministers" to produce codes of recommendations for the wedging of beinglock and to see such codes over they have been proposed in out by short his state of failurenst, Beweere, the out by short his state of the section 50 of the section 50

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Any reference in this Code to advisory publications is for information only and does not form part of this Code.

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#### Preface

This preface is not part of the Code, but is intended to explain its purpose and to indicate the broad considerations upon which it is based. Similarly, the legislation quoted in the boxes throughout the document is not part of the Code but is intended to highlight the relevant legal requirements. The law, as quoted in these boxes, is that in force on the date of publication or reprinting of the Code (please turn to the back cover for this information). You should be aware that any of the legal requirements quoted might be subject to change - you should seek confirmation before assuming that these are an accurate statement of the law currently in force. (See the Appendix for a list of relevant legislation).

The Welfare of Farmed Animals (England) Regulations 2000 (5.1, 2000 No. 1870), Regulation 10, provides that:

- Any person who employs or engages a person to attend to animals shall ensure that the person attending to the animals:
- · is acquainted with the provisions of all relevant statutory welfare codes relating to the animals
- · has access to a copy of those codes while he is attending to the animals; and
- · has received instruction and guidance on those
- Anv person who keeps animals, or who causes or care; and knowingly permits animals to be kept, shall not attend to them unless he lies access to all relevant statutory welfare codes relating to the enimals while he is attending to them, and is acquainted with the provisions of those codes.
- In Regulation 2 it states that "statutory welfare code" means a code for the time being issued under Section 3 of the Agriculture (Miscellaneous Provisions) Act 1968.

To cause unnecessary pain or unnecessary dictress to any livestock on agricultural land is an offence under Section 1 (1) of the Agriculture Misreelaneous Provisions) Act 1988. The breach of Accode provision, whilst not an offence in itself, can nevertheless be used in evidence as tending to establish the guilt of anyone accused of causing the offence of cataling unnecessary pain or unnecessary distress under the Act (Section 3 (4)).

The Welfare of Farmed Animals (England) Regulations 2000 (S.I. 2000 No. 1870), Regulation 3 (1), states that owners and keepers of animals shall take all reasonable steps: . to ensure the welfare of the animals under their

- . to ensure that the animals are not caused any unnecessary pain, suffering or injury.
- In Regulation 3 (3), it states that:
- In deciding whether the conditions under which animals are being bred or kept comply with the requirements set out in Schedule 1 of the Regulations, the owner and keeper of the animals shall have regard to their species, and to their sharitare regard to their species, and to their degree of development, adaptation and domestication, and to their physiological and ethological needs in accordance with established experience and scientific knowledge.

#### In Regulation 11, it states that:

· Where an authorised person considers that animals are being kept in a way which is likely to cause unnecessary pain, suffering or injury, or in any other way in contravention of any provision ary other way in contravention of any provision of these Regulations, he may serve a notice on the person appearing to timit to be in charge of the animals requiring that person within the period stated in the notice, to take any action that the authorised person considers to be reasonably necessary to ensure compliance with these Regulations and the authorised person shall give his reasons for requiring that action to be taken.

#### In Regulation 13 (2), it states that:

 In any proceedings against an owner or keeper of animals for a failure to comply with Regulation 3 (1) or 3 (2). Ne owner or keeper as the case may be, may rely on his compliance with any relevant recommendations contained in a statutory welfare code as tending to establish his compliance with the relevant Regulation

The Code aims to excourage all those who care for farm animals to adopt the highest standards of husbandry. Without good stockmanship, animal welfare can never be adequately protected. If stock-keepers follow this code it will help them to meet the necessary welfare standards. No matter how acceptable a system may be in principle, without competent, diligent stockmanship, the welfare of the arimals cannot be adequately catered for.

The walfare of pigs is considered within a framework that was developed by the Farm Animal Welfare
Council and known as the "Five Freedoms". These form a logical basis for assessing animal welfare within any husbandry system, together with the notions recessivy to safeguard animal welfere within the limitations of an efficient livestock inclustry.

#### The Five Freedoms are:

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- 3. They done from put growing or of your Telpsecopres or to apply angless fast it is only like.

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In acknowledging these freedoms, those people who care for livestock should demonstrate: -

- · carring and responsible planning and
- · skilled. knowledgeable and conscientious
- stockmarrhip: appropriate environmental design (for example.
- of the husbandry system);
- · considerate handling and transport;

humane slaughter.



Section 12 (2) the 1811 Acceptors, police in controls to glose, is rule cutsfort peemle for though of possing apprehended on antiferior bringer for the Act surfaire and oil proceedings on the court order to electron of the police of the resconds cross involved, including any sensorary welversing yntermit, an excurred by the police than the owner upon condition.

Under Section 1 of the Protection of Animals Chronoforces Act 1854, a secretarized by the 1988 Act. 16 coint has the power to despelly a presson convicted under those Acts to the very catalody of any animal. The lant us specify a particular kind of animal or all animals for setal period in the scarr Philist R. 48

The Princetion of Animals (Amendment) Act 2000 supplements the 10th Act planning a court to things are distincted by the construction of the subgrape of animals key for construction to their are the supplements of the construction to their act of their act of their act of the defined in the 2000 Act to their action to Service. Construct pelopertures and house that conduct prosecutions clown Prosecution? Service. Construct all post process and to the Departure of the formore in the contract of the Departure of the contract of the conduct Art in the China. The conduct then the shows proposed on the processing of the shows proposed on the processing of the shows proposed on the processing of the construction of the proposed on the processing of the construction of the processing of the processing

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THIS WELFARE CODE WAS ISSUED ON 11 MARCH 2003.

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No changes should be made to husbanday equipment or prodiction mat the possible effects an unital to Welsh delve bent considered. In particular, the possible effect on animal welfare should be considered before installing make

# Stockmanship

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Animals shall be sared for the a sufficient number of 198

steff who possess the appropriate ability, brownday The Welfate of farmed Avinna's (England) Regulations 7000 (S. 1.200 No. 1987) others a "kerper" as any person responsible for or in charge of initimals whether on a permanent or temporary basis."

F. Stock-Leepers should be knowledgeable and completent in a work range of armost health and welfare sidh, which should include:

• handling skills (see paragraphs 14 - 17):

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the Worktove of Farmed Animols, (England)
(Amendment) Equationis, 2020, (6.1, 2003) Mp. 299)
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10. The stock-leeper should aways be looking our for signs of ill health in pigs, which include: (al separation from the group:

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Commission (Explained State) 12, 2, 2003 by 289,
Schoolde, 6, For It possigation 4 and 5 state that:

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You should be able to anticipate problems or ecognise; them in their earliest slagpes and, in many sees, you shauld the able to intensity the cases and ut matters right immediately, Always consider the

pushlitify that the pigs may be afterted by a mordicule decease been prographs. 36: 37), if the cause is not obnous, or it your immediate actions, it will refer the articular system or other expert should be called in merciation) - take to do so may cause unnecessary suffering.

The Welfare of Farmed Annusis (England) egoplatives 700 (SLL 2000 No. 1870). Schedule 1, paragraph 30, states that:

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(iii) completion.

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Subject to sub-paragraph (6) below itsings.
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coustracted of any loading equipment shall be

1997 No. 1480) Schedule Z. paragraph 10 states that: J.2) 1881 rebrio (mogenent) demind to see tielly sett

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Z. No person shall use encessive force to control

Animals shall not be suspended by mechanical means, nor lifted or dragged by the head, hours, loss or tall.

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47) and the design shall be such as to swoit. So far se possible, any risk of strangulation, pain or white uderfieled aware roo are and tot a uderfieled (2) Each tether shall be of sufficient length to allow the pigs to move as slipulated in

sediment and seliming on necessary to ensure a accordance with paragraph 4, they shall mut cause injury to the pigs and shall the inspected 2. (4) Where the use or rethern a permitted in

Marking, make size only non-toxic sitosiances are E you are using aerusols or paints for temporary

ressels and ridges of cartiloge. \*: When eat lagging, notching or tallcoing, you much properly restrain the investigate and investigate the control page to the control of the

or punching, you should use appropriate equipment management purposes, ear marking is by notching of north captured immediately prior to transporting the pigs to skughter Where, for herd transporting the pigs to skughter Where, for herd assum gouseur aigesdasse uv si Bunseur ders, stild out only by a trained and competent operator using property maintained indicatives and under hygienic conditions. Ear tags should be subpleted for use in or body tertooing or ear tagging, should be carried

Section 1 - Recommended on the All Section

Bosecurity means reducing the risk of deeses occurring or spreading to other animals. Good biosecurity can be obtained through: 1. Exacting tacklities and where possible feed bins by the bins of the unit perhaps which can which were other piper as a pure selection of the where the death is should be breast as defended but death is should be the death and addition. an agreed period, as stipulated in your herd health and weltate plans A system shauld be provided to sleft staff of visitors at the gate.

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hard weak unit clothing and footwert. A visitor book shalled be provided and vivious shall a sign to they have not been near other pigs or investor. For

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and observatest incoming stock for a suitable period when they arrive, before they join the test of the tent

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presentiors when you many within the farm or you move animals and equipment, you can greatly reduce the chance of spreading any disease.

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t you and your stock-keepers take proper

vacrination and worming programmes.

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#### BIOSECURICY

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(i) brewention and control of vices such as talk biting. pue : BuibBet ree se cons 'semperord' surmor (i) (n) iameness monitoring and roof care, (d) external and internal parasite control:

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теаш те изедраву шолу раметра ад нез равр farm units being more secure from the introduction of new infectious diseases: and vehelicary medicinal products, including vacures, are used. Useful information on the health status of the bed can be obtained from feedback at meat passase, you should ensure that brilly authorised good furbandry and effective ventilation. Vaccinations may be appropriate against certain is Maintenance of good health is the mast basic requirement affecting the welfare of the big Measures to protect helital include good regiene. · MIECHAR DESIRES COURD MEMBERS SPENS

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The Indowing at the main notified closures in which which the places must read the hours of the

For more information on these diseases contract your veterboary surgeon or tocal Aminol Health Divisional Office.

nacing, vox storid rate place sensals for preaten

Sick and Injured Antimals

noccidence, with westery ables. Organiproduces, in carticular, should seek vereinvay states. The Wateriner of Erend Animals Engand

on the special of their level health and wellow plan.

Equipment for Vaccinnation

insale Leave for appropriately without deby; and

insale Leave for appropriately without deby; and

intale Leave for appropriately without deby; and

(if Riyou suppert that any arminal is suffering from a see lupand or appear that any arminal is suffering from a see lupand or appear the receiving from the receiver with any application of the control of the control

The health and welline plan should specify a processine to health and welline plan should specify a common processing and consisting and careful or seek of seek of the seek o

As an enceptory of the register for the first the stand with a single manual interesting the stand with a single manual interesting to present in Auditory 10 stand feet for a single manual interesting by content for a single manual interesting to the single manual interesting the single manual per a single manual manu

It is a general delivers under the helither of derivals (Statigue or living) floodscires, 1995, for 1711s severable the Mellender of Atminist 1711s severable the Mellender of Atminist 1711s severable the Mellender of Statigue or Killeng I foresthrend Regulator or 1998 (1.1996) for diffu; in case or permit any avoidable excitorent point or suffereng to say armed carrier paragraph or a Melleng freeglation of (1). "of an unit animal does not respond to treatment. It should be hurrowshy liked on-darn [culeuf). You should cull any avernals suffering from painful and increable conditions irransitable? The Welfare of Animals (Transport) Order 1997 (S.) 1987 No. 1489), Antales 4 (1) and 6 respectively, provide that; •

The general otherce applies in all cases, but the detailed provisions in respect of the revellend of staughter or killing do not apply when an strinal has to he killed memodiately for emergency mosons degulation 13 (2)). Ne person chall transport any arintal is a way the which cuses or is feely to cuse may or say attenders any affecting to that armed.

No person shall trinciport any arintal universe. But it is the the interfraction journ

5. If you have to staughter the aximas on-larm in a forn-emergency shallon, you must do so using a permitted method that is in any with current welfare at staughter legistation (see box below).

The Welface of Animals (Stugister or Billing)
Regulation (1985 E. 11985). All 118 amended
by the Welface of Animals Stategier or Halling
Abrendance (1984) (1985 E. 1985). All 01
animals (Buchlour) (1985 E. 1985). All 01
animals the Welface for Animals (stugistered or Welface
or Start, it must be due use sing a permitted
method, the aminal could use for these proposes an event age of the correlation of the first form of the first fo

The contempty revergort as uniformal if you are contempts or exercited starters that when it is a wine rank surgant for treatment if you are charged starters and reversely surgicine to the contempts provided they are not included to the reversely increase of their uniformation cannot be found in Debat you will not a surgicine that the provided they are a surgicine to the provided they are a surgicine to the properties of surgicine to the owner as a surgicine to the properties of surgicine to the owner as a surgicine and surface to the properties of surgicine to the owner as the surgicine to the

Record Keeping

otton 1. Roommindetoni los al pigo

Anticle 5 of the Animal By-Products Dates 1999 \$1. Schedde 1, participate is states that.
1999 bits Gell impaired that halves unced are adopted.
1 The record electric of a period for a period of the record of a period of the record of the record

corrections armitide currently give a contraction of the contraction o - enclering:
- in cestain circumstances, busila in such a way that
carrescous animals cannot gain access to the
carcas, or barning.

The second bridge of partial of the second o

 In terms of individual animal management, you
may find it useful, as part of the feelth and welfare
that us note Sperific cases of mastits, fameness and
offer disorder, and where appropriate, the relevant
treatment given. The Welders of Farmed Animas (England) for Regulations 2000 151, 2000 Mo. 1870; Schedule 1. no prography 7 stein that ... A record shift his making that the shift of A record shift his making that to animate, and lib the number of modulities found on each repaction or medican treated or it is accordance with ship of the following promision.

12. Where pigs are kept in a building floors shall -la) be smooth but not slippery so as to prevent injury to the pags:

# Accommodation

Section 1 - Reconstitutibilities, Br. (ii)

He Welline of Formed Animath England.

1. A page 10 control of the Control of Anima Streamer Streamer

<sup>27</sup> Yet should seek appropriate wellans advisor when new huldings are to be constructed or enisting huldings modified. Some spreaked buildings use nompler mediatival and electrical engigment which applies additional death recognisers gifts.





 air citulation, dust lavels, tomperature, relativa humdity and gas concentrations shall be kept within limits which are not trainful to the animals; The Welfare of Farmed Arimals (England) Regulations 2000 (5.1, 2000 No. 1870), Schedule 1, paragraph 13 states that: Ventilation and Temperature

(c) be suitable for the size and weight of the pigs; and

The Welline of Farmed Animosis (England) (Animoshers) (Englands, 2005) (Schedule, E. Parli, Engagines, 2002) (S. 1707) 840. 289), Schedule, E. Parli, Engagine IT Asities bells: Person and | Bower to little is provided, form a rigid
| Bower of state is provided, form a rigid
| Bower occurrent state forces are used for pigs
| Bower occurrent state forces are used for pigs
| Bower occurrent | Bower occurrent |
| Bower o

A new building stoud be designed with the winnest control in hord, and with the am of preventing repristory of deseas. The building, should provide mental profits of the season in the provide mental profits of the season of the page. Also and number of stock to be instead in them. It as darked mental profits of years, he added to the season of the page in the system should be degigned to enoid designs, allesting the page. Weig space. "Good law dega and degate new demand especial People stratificated foots. State the served proposy mended to the weightess of lay and strates and are wear and der demander and surject to the forest only of the strategies of proper and the second of the strategies of properties of the second of the served of the second of the second of and may use of physical demange. Demanged floors must be required inmediately.

1. Tinche wendeling in general to the web being of the stock as retrouched men are increased as govern and a few incurding intercenture. Excessive pages and a sky incurding the procedure. Excessive pages and a sky incurding the sectional as incursion of the entire to the incursion of the entire wise, not and reflect the being area or by the provident of adequate the bring area or by the provident of adequate bedrup, their page is to burden; an extinorial way and mod-be memmed by the establishment in the walks and mod-The Welface of Farmed Animals (England) (Americaneal Regulatives 2003 S.I. 2003 No. 289). Schedule 6, Part II, Innesgraph 11 requires: Where backing is provided, the must be clean, dy and not hearnful to the play.

No. Pigs have a very further shelling in sweat and are activity securities for least stress further control activities and produced on the securities of the posterior of antiply where gap and or the linear with a system or a maniply where gap are of the linear with a hossigue, can be used to ensure risk gap, and the linear post on the bone demandered in hot wealther. Here a build not only become ensured and and are a market of dricks as latter the pigs can inswelled many from the coder corderors. 1: The lying awa should always be kept by and any horse, suchaing the despite area, should be the area of the such and the such and the this must be chen and dry legalitry tropped up the crivings, and not determine that to the leadth of the pips.

Lighting and Noise Levels

18.1% sled not be exposed to constant or sunden note. Note levels above 85 c8A shall be avoided in that part of any building where pays are kept.

(a) You should have enough freed or portable lighting moliable at any time if you need to inspect any animals, for example, thanky farrowing.

on loaned stock. Any beit or buzzer which is likely to if ony defect is found whieller when the spaten cocce employe, for exemple, which the spaten is impreched or tested in scrotdware with this secure beautieshify but on strats harmon entering partiagach or at any other time). It shall be restilled but without easing under seam to the stock.

Automated and Mechanical Equipment

Pre-Window or farmed Avenue, England
Pregations and Control of the Standard
The American of the Standard
The Standard The Standard

# Feed, water and other substances

The Webberr of Fig. 2007 04, 1791. Should 1, pagits it is complete drivens untamiliar to the Regulation 2006 fil. 2007 04, 1791. Should 1, pagits it is completed to provide already to the species of th Where pigs are fet on a national feed leavel to control inlate, you should ensure that adequate fough space is provided to ensure that all play can tecever their allocation. The following guidelines for Imagin space per og apply:

55 10 15 15 15 15 15 15 15 15 15 15 15 15 15	
	10
	13
	15
	30
	23
***************************************	28
120	98

4: Good hygene a necessary for slowage and feeding spatems as mouths can develop in stale feed which can have a distrimental effect on pigs. Feed bins should be cleaned out regularly.

The Wellere of Farmed Animals (Frgland) (Americhaen) Regulations 2003 (ST 2003 No. Schedule G. Part II, paragraph 15 states that

The Welfare of Ten med Animals (England)
Combined (England 2016) 2013 (2018) 2019
Combined (England 2016) 2013 (2018) 2019
That Jish grown Steff or liest cores a day.

(2) Where pgs are housed in less cores a day.

(2) Where pgs are housed in going and on the contribution becase to less! or service of my service or for less than the less of the contribution becase to less! or service or less than the less of the contribution becase to less or the contribution of 24.All aremals shall have access to feed at internals appropriate for their physiological needs form of any these, as lessed orders of day, except where a velering suspern acting in the exercise of this profession atherwise directs. 26 feeding and watering equipment shall be designed, constructed, placed and maintained so that combinities of froot and water and the harmful effects of competition between animals are minimised.

... When introducing tigh to unaccustomed.

All tighs need two terms that the airmab. See permanent access to a sufficient quantity of flesh table to find the feest and valler partity that the maintains are permanent access to a sufficient quantity of flesh table to find the feest and valler partity that the terms and valler partity that the terms are travel to pets where yet increases plages are invited to pets where yet. All pigs next a between daily det to maintain full health and vigour. You should plan any changes in the diel and introduce them gradually.

V. At mains electrical equatment should meet relevant shandards and be properly earthed. safeguarded from rodents and out of the pigo, reach.

All equipment, huhding feed hoppers, dinivas, vertibution equipment. healing and lighting units. fire extinguishers and alvim systems, shaudo be beared and inspected regularly and kept in good working order.

The Welfare of Farmed Animals (England) Regulations 2000 [S.I. 2000 No. 1870], Schedule 1, poragraphs 3 and 16 state thet: Where an area are kept in a building, adequate lighting (whether fined or portable) stell be available to enable them to be thoroughly inspected at eay time.

The Welface of Termed Avimals (Trybard)
Overections in Management (Trybard)
Arout 6. The III, prograph 6 a med 18 search flow.

B. Where Appear exists in manifolds to Relating
the Welface from it intends of at least of the Indiagon with an intends of at least 40 table part by the Indiagon with an intends of at least 40 table part by which to proposed for a memirum protofol 6 house to graduate or for the Velocity of the Indiagon III in the Indiagon II i

30 The string of marbinery such as feed milling units should be appropriate to minimise the rose mag.

\*\* Heavening group aber floor type, air speed and the relative the recurrence for the control of the control of

Weared pigs (5 -4 weeks) 22 - 22 81 - 50 (6. Autures kapt in britishings sitel incide to kept without an appropriate period of rest from artikele lighting. for chi 15 - 27 59 - 70 15 . 20 59 - 68 Laber weamed pigs (5 weeks +): 22 - 27 71 - 80 13 - 18 55 - 64 25 - 30 77 - 84 Finishing pigs (becomend Finishing pigs (porkers) Suchling pigs in creeps Category of Pig

\*\* Yes a Yould avoid wide or alongs fluctuations in transposation white any Chause presents white his Albusan print which fluctuations to the day temperature of the second with training and the second with the second representation to the second with the second training or disease such as premanent, but you shad members in algorithms around level of against as I these frees.

" When pigs are mixing to new accommodation, the possibility of cold siles, occurring as a result of sudden changes in the thermal environment shauld."

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- stuß puz swis

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0.5

TO DOID BRIDGE SIR HOUR WHICH BIR DRING DIVING

systems are used, the following guidelines should

To pigs given sufficient flow rates. Where trough

stioned feeding. On unrestricted feeding, one apple drinker should provide adequate supply for

Where nipple chinkers are used, a chinking point should be available for each ten pigs on

various heights when groups of pigs of a range of when pigs are returned together or when pigs are

neignreadustable, or several currerent, ourners at

water nipples and bowls are placed. All pags must be site to access the drinking point. If its might require

Ago should carefully consider the height at which

porsed find a sor ried a re besuon

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FAST GASH REAL

water requirements for various weights of pig:

the total volume available:

water to bids:

There are several factors you should take into
 Whate water and excessive flow rates can be consideration when hooking at the provision of
 detrimental, particularly for sows in farrowing

SIRRING OU LOS SUBURIOS. or established experience that the effect of that substance is not derrimental to the health or

to detaile and three problems is a property of the control of the

(S) Facces, turne and unesten or split food must

requirement as unerseast to biowest \$1000-10.(1) Housing, pers, equipment and utentles used for pigs must be properly cleaned and

(865 July 1003 1.2) E003 anotherugal (h

the law by a trained and competent operator or a castration is necessary. Castration is a mutilation and should be avoided wharever possible. If it cannot be shoulded, it must be carried out its accardance with the proceedings of the proceedings of the proceedings of the proceedings. Stock-keepers should consider candially whether

POSET 1954 (SOUBLISES OF) witerinary surgion in accordance with the provisions of the Protection of Antark day of life it shall only be performed by a 23.(2) if cashelion is carried out after the seventh

tised in conjunction with materials such as those listed above, or are changed on a weekly basis. some of the pigh behavioural recent, but can quickly loss their novelty lactor. The long-term use of such they are their novelty lactor. The long-term interest in your recommended unless they are then? Objects such as footballs and chains can saisfy

bedding, straw can provide the pig will physical and to material which the pig can east the pig is shie to mot so base nartw , but ; wents gnot ritiw yeld brie in neuroporari suci bulkarsi peede: it buorides si appone opportunity to root, investigate, chew and play, straw is an excellent material for environmental enrichment as it can safely many out the pigs.

art) ritiw apiq asbivorų triamfainia letnaminaliviti.

wood, sawdish, mushroom cumpos), peet or a mirture of such which does not adversely affect the health of the animals.

and other technical advisers, modify your health and others plant to impensent the necessary changes with a study to preventibly findure outbreaks of tail biting. and pagedas e or reunia an avoisar one removed to a thospital pen and treated without deta if possible, you should try to identify the instigator - having identified areas for improvement, in consultation with the berd's veterinary surgeon. Act) closes to no suggest the stage streets and streets and sasearous fundin to aarigab and the may are inguity nelq sistlaw bis officad yhbold. thisis bring does occur, it can spread quicity

quind to different persons fine same unit. te noifitegenan, gentlikuszewo, veksel enistenegen feedang, enecesse tipin levels, elevated dustrinostous gas levels, oli literent causes may be ferriant in enterest mer vas ten element. 102000 to Stuffer in heavening a south-and such as interruption or insdequals supply of feed or water, lack of eminumental emichaneas.

33

#### Get bussippe carees

Hole the position of pens and rumbers of page affected, check records of previous incidents.

#### meldord acti ylitinsuD -

therefore recommended to adentify the particular cause of an outbreak on the unit and one appropriate couries to the problem. ough assessment and planned approach is produce a definitive solution suitable for all cases. A oractical on-takin experience, it is not possible to dealing with outbreaks of vice such as tail biting about dought much has been learnt trunt and wragraphs 8 and 22), you should have a strategy for ess) ned your bred health and wellare plan (see

operator before the severah day of lite, or by a vereithary strigeon. All equipment used must be cleaned and disintected between pags. common ware the say by a competent, darred recessary to tail dock, it must be carried out in management have proved inathestral Where it is clocking should only be used as a last resort, after improvement and Routine tak docking is not permitted. Tail





demonstrated by scientists strates of animal wellare or secontrical administration of monthly and responsible of for the memory and the former of the property of t No other substance, with the exception of those tent sets to right 27 states that: The Wellars of Farmed Animals (England) Regulations 2000 [5.1, 2000 No. 1970), Schedule 1,

of enuseant land the skat bloods too. .... framow all pigs from seas that are in imminent anyon of tooding.

rues eas rade aun caunada cues eaur paddocks clear of debris, such as wite, placks and sharp objects, that could highre the pigs or hip out three should keep all buildings, fields and

be removed as often as necessary to minimise smell and avoid attracting fives or rodents.

infection and the build-up of disease carrying

Schedule 6, Part II, paragraph 10 states that: (briggist) demind bernet to sistingly and

health and shall, at all times, have access to a well-Animals not kept in buildings stall, where necessary and possible, be given protection trans arteres median constitutions, predators true after their havaginativ states mac

Regulations 2000 (S.L. 2000 No., 1870), Schedule 1, (brisign3) aleaning barries to sistiaW off

Management

(bindign3) slaminA borns to shall wife Welfer or Section (CLL 2003 Mo. 2003). (Accordance of Section 13 per 14 per 15 per Environmental Enrichment

senses to princes seams ob beyong an 22 Male pigs may be carbated provided the means

Pris Wellare of Farmed Animals (Exglass), Bod (by 299). Schedule 6. Part III, paragraphs SS and SS (S) state that noitenzaa

aris rasts suo bainea èi aisa lo gnisaob li (f.).CS bamotiag ad vino lieste ii alii la vab straviae bagnolosq isrositibbe bna alantaserra rabra

.notmos tement

Schedule 6, Part II, paragraphs 21 and 23 (1) state (Americanni) Regulations 2003 (S.L. 2003 No. 299), (busign3) deminA banne1 to stellsW stf

#### Tail Docking

SECRET RECES.

enternal weather conditions can also trigger an

oust and monitors gases (i.e. ammonia) and lack of drawn onmental emichment. Sometimes changes in

sacions, excluding; overstocking, feed cleficiencies,

incorrect temperature levels, fluctualing temperature levels, inedeprate verillation, diaughts, inight levels of

Diguid: sie vandowied with soute torm of stress. They

Triff bitting send other vices, such as ear and flank.

seen taken in order to prevent tail biting or

but no tail docking may be carried out unless

offine measures to improve environmental conditions or managenism systems have

21.The following procedure shall not be carried out torthibity bir only where there is evidence that injuries to sover teats or to other pigs:

поэдизгу учентания учищее

that ent to trea e to griddob.

ERIS OF TRES PAYE OCCURTED:

.eitheem as rhous nwob Ymo1oeseV, rollscrimeeril (straight) and the straight of the road of the rollscrimeeril (straight) and straight of the rollscriperil (straight) and str

SOM JEUDO SO GUISIO JIEZ BURNEJO O other measures to improve environmental conditions or management systems have been taken in order but no looff reduction may be carried out unless

- uniform reduction of conner leeth of pigles by of grading an expension and later then the severals day of life of the pigles's leaving on intact unooth surface. The Collowing procedure Shell not be connot out routinely but only where Shere is evidence that higher ears or table there out on the other page, ears or table there occurred:

(Amendment) Regulations 2003 (5.1, 2003 No. 299). Schedule 6. Part R. paragraph 21 states that: the Weltare of Farmed Animals (England)

Reeth Clipping/Grinding

ad the light behinding definite and to wis of

or Subject to sub-paragraph (2), natural or sufficient or setting procedures, which causes, cuttering or injury course, cuttering or injury be caused of the finely become all first however at the first per cause of the first person and further course.

pen, and then exposed to a boar in order to encousage the standing retiral before artificial insemination takes place. insemitration, at which time they can be moved to an appropriate stall or pen and assemblated. Sows appropriate stall or pen and assemblated own in the stall or pen a source of the submed they are sourced to a local in reder to pen and they are submediately to a local in reder to

ravodand seuturo Asessanau usus satiura sou provided that the period during which it is so kept is

of the purpose of service, authorities are measion of

ะดีนเดทอน The Welfare of Fermand Johnshift (England)
(2003, Lot 2003, Lot 20

evoid injury to books and sows through excessive part of your health and welfare plan, your found discuss with the herd's welvinary surgeon how to

anderfoot are not suitable for matting animals. As ": All boars should have good and safe service conditions yiegids but a floors should be service conditions. Settled floors and supplied to the services and services are services and services are services and services and services and services are serv

are likely to cause minimal or momentary suffering or injury or that might necessize the injury are that might necessize the injury are the season sometimes. (S) Sub-payage in a filticial breeding procedures that of natural or artificial breeding procedures that

Specification may drift be camed out by a vereinning shid experienced onliby a tramed, competent and experienced operator. Vasectomy or electro-

The Vereinary Surgnore Act 166, as amended by the Vereinary Surgnore Act 166, and the Surgnore Act 166, and the Vereinary Surgnore Act 166, but 526, brownstrain) chart 1968 (pt. 1968 but 526, brownstrain) chart 1968 (pt. 1968 but 528) and the performance of a wasectomy or the Company Surgnore Oliver Company Surgnore Surgnore

Semen collection and articles insemination

pens must allow the animal to furn round easily.

einfiniem on tebro in quong teath riolger ab bluock eiduude resMV yrbineniri quong ents mirthw grieglud viesensqae benneq ad yann swoz. basu a noukerumaen nud "rothenirmeen laucese ein withe eahmirte 05. littist Green a secure entre de la contra la section de contra de la contra del la 5) Sows should be left tindisturbed, to allow uterine contractions, for up to thirty minutes after strikest insermention land natural service), but the

cen be by arthroal healing. For evample, owethed infin-red learning as heat underfloor hearing or infinerratively by providing a well-hedded lying area. The cow, humawer, his different encuronmental inter are coverdensby deferent in an environmentally controlled fanowing house a healed creep area - up to 32°C - should be provided for the pignes. This bag was off to streamsingst fathamonivos sett. ::

Meaning material should be provided, whenever or roted earlier in the S4 house, parket, build billion-sen or sen sives and yield showing the billion sen or sen sives and yield and provided.

should be aimed at just prior to farrowing. You should then greet the feeding regime to minimising any loss to body condition eluning lestation. bine awas to gnibas) soft agenem blueds uoV 15: le multibrios ybod aldebinis e ni-ans yadil seft no zilitji A - 8.5 to singa lagust A gniwomit to aviit arti uoV prilivamet at mini tuu is bamile ad historia.

send during fatrowing, sows and gills may be kept out of the sight of other pigs. 35.161 the week before the expected farrowing time.

slies griwones as have some meens of protecting the piglets, such

34. Farmwang pens where sows are kept loose must GUMACINE DAISSE IO REMIEU

british dans betautisdonu ris (grinvonet) griful.C.E.E to esse arti not aldelisva ad lient ling to wor arti

nii genwond bathare engel and a word and a se on a SE considerate and a se on a ni central principal and a se on a ni central yilinate in walther in lishing a principal yilinate and a se on a ni se of the set some sind dire shari de monduit cresueer.

chalping so woe anti yed somewharm mont are required, contain to the same of some of the sound o

necessary be treated against external and 30 Pregnant gits and sows shall, where

Schedule 6, Part IV, paragraphs 30 to 35 state,

Where overhead lampsters are used they should be securely fixed and should be protected

yhide gwirlinn tail ture skithy The vivelence of Famed, Animasis (England)

(Englands)

are employ and thoroughly cleaned and distributed and thoroughly clean from housing group and which are separate from housing where other soms are kept.

risities eyeh revise of qui barriew ad yem claight. Na risirtivi agrilauori trazileisega ofni beworn ere yent ti here beneate debugged byte bestome are

age of less than 28 days unless the wellan or THE WAYS SHE HADTE DRIVING SHE TOTH HERE CHARGES UP-

partial safety and beau a self of principle and of self of self self of self o

together at the same thme, mad be sold or covered with a met or be littered with a treat or be littered with sure or exercise with a treat or better or the control of the

bins are staligid anti anariw roof latot anti to may A.M.

techniques of farrowing and should pay particular facilities to hygiene, especially at assisted alternaming historyming alias should only be from wings to string a properties of the should only be that he is trained.

Schedule G, Part V, paragraphis 43 to 47 state: The Welfare of Farmed Animals (England) (Amendment) Regulations 2003 (S.I. 2003 No. 299),

used by a trained, competent operator.

ises at element and walls of figures spiral a fairly

ed seivnento bluow stalgiq to make anti lo milese

Denistry Principals

withous difficulty.

with ones seems unweigh

can rest at the same time. mant to be seen was an mon years and ting 63.If necessary, piglets stall be provided with a solice of firest and a solice by aint constantal

Farrowing sows and piglets

disease, such as coupling or rapid or labration for properly you should seek advice from your properly you should seek advice from your weterhost surgeous.

if is particularly important that you watch piglets carefully for signs of distribuses or respiratory

previously been completely emptied of pigs, cleaned

disease introduction or spread on a renk Where of page to provide up to the second provided the page of the page o

seven days certier, At weaning, pigliets should be seven days certier, At weaning, pigliets should be

Juanard or samurranddo sasuumeu finishou fiel

than 28 days, although orphaned, sick and surplus pigliets requiring special attention are obvious exceptions. The altitus illusing system of managing exceptions.

bebaluisib bus

12

bridkes, causing chilling in plakeb, and provides the ideal environment for micro-organisms to flourish,

nugreus is egold connect rule suce ou reef suc

especially to ensure that damage through edges that or by the pigs does not produce sharp edges that

" son auomio bubbenk wasuraw arcs and prints"

sow and litter at farcoving, during the suckling pened and for newly weared pigs.

All accs and huts used should be libreally provided with beddings and lave a warm, draught the lymphostoms to the libre lying uses. The lymphostoms and the libre lying uses.

provides peace of mind, healthy stock and a more vieble business." (see the Appendix).

Approaching salies, undecapated steen aut in number

organisms, you should re-site arcs between batches

season to retenent bine qui-blind with travery of 141

incoming replacement stack will also need to be

. ii. It you take proper precautions when you move

(8Z · £Z sydeifieled aas) aseasip hulpeaids

DUE SIGNIFIE BAOW BOX TO RIDGE SITE FIRMAN

of plugs and the straw bedding etc. should be

зрежите акади дот политионилогос

Accommodation

create greater welfare problems than the cold. as

crearging weather circumstances. Wet conditions

the doorways can be adjusted to allow for Shokild he well tisked to the ground, perheularly in cold which conditions and should be sized so that the doctors of sectors and should be

muminim are avode sod aft ni saratili aff 💥

90 and a sering by the second of the second BS kg but less than or equal to 110 kg: (f) 5.65 m² for each pig where the average weight of the pigs in the group is more than

30 kg but less than or equal to 50 kg: weight of the pigs in the group is more than (d) 0.40 m² for each plg where the average this pe or semba up usua ssay and this ne

weight of the pigs in the group is more than ic) 0.30 m² for each pig where the average

essau to fix ou su doorfi aus un sfied aus un viñiaw.

he ad flaris quorg e ni barear grid grimear to average The unobstructed floor area available to each

Sõid Sulleal pue slaueann

ennecessary sextral activity as gifts come into

blove of equorp rae smee ni ed bluorle grinaties

shower spraysprinklers can all help to minimise aggression at mixing. Wherever possible, pigs for aggressing strough to around

бизт рис денистие измещиовале завізшть

. . . . . . Jont people and welfare plan should

shall be immediately investigated and appropriate measures shall be taken.

seaues and needge unlined eleves to angle nerthy, F.C.

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to the one of transplanting medication are set to a full to a ferroligacian of ballimit at Merk grissim excition.

de provides with adequate opportunities to

age ne grand et acone at a young an age as possible, prefetably before or gu no ne week liste week haven mys arm mand they sail

escape and hide from phier pigs.

include a strategy for managing mixing and establishing groups of pigs, Plenty of space.

is nevig ed taum stilig bris avvoz trisngerig yib IIA. Silv se bool andi digid to yillad to yilmeup imadifuz rou que coos sus bioseurs.

salbumu sauu Aisues os mons Afriania rubiu se nava

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to it ned to 6 bins 3 angappined to zinammupen (%) rigespaned evode took sett seal, skithakla2 aid: terit behvorg vilkinkinin legal ad kem savoz GF erit ritiur saligmun cumbles with the 40.5avs and gits kept on holdings of fewer than

of 15% is reserved for drainage openings. faint was ring im E.1 bins filig ted im 26.0 feed murnisem is doirfur to rooff bilos accumitmos to ad 27.1 for to are area reclused in paragraph as edual to at 39. For gilts after service and pregnant sows a part

40 or more individuals the unobstructed floor area may be decreased by 10%. gilt after service and to each sow when gilts and conserves are tept in groups must be at lens! I.64 m' and S.S. are respectively. When these 38 The folsi unobstructed floor area available to each

when the sides of the pen must be no test than ewind sum relegate the group of lever must have sides greater than R.S. night except where sides greater than the manufacturer are the group.

bidiets tosteredt is complete. di timit the period between seven days before an expedition of the many and the day which have meeting to piglest jimited any also person of the common of the also person of the common of the common of the also person of the common of the c 36. Sows and gifts shall be kept in groups except

The Welfan of Farmed Animals (England) (Armerdmend Regulations, 2003 (S.), 2003 No. 299), Schedulle 6, Part M, paragrapha 36 or 45 states

Affaints in some and this is strongly gniauori exod ni pribbed to noieivorg edit 1551

the group can obtain their allocation. interference from peo-maites. You need to pay special attention to the proper functioning of such equipment and also make sure that all members of anough full and grammas sednessing war to be a first

anch a way to ensure that all members of the group bat ad nao demine risiday ni saiditat gnibas a per fed

should remove any animal suffering persistent bullying to different accommodelium. or expression or rood, does not rake place, you separate groups. Stock-treepers should ensure that persistent builying, which could lead to severe injury se patienem ad bisona monthino ybod teol avent the time of mining solvs so that animals can escape from aggressors. First painty sows and sows that animals, Adequate space is particularly important at answar a finateriques control in groups of street in groups, brut and street sows are the problem where so we have a fire transment of individual Much depends on the temperament of individual.

or bathvorg pribbed freshfits to yb tiges ab bluode give adequate go or first proving striving striving. The use of sense of the striving striving the sense of t mended for metrid bridges, the whole floor area

fouddes to asia

sponia be provided in the lying area, in a pen Brildhall ying sasortard griful to! bazu ii 'm 2.7 ne not notabommosoa laubvidate, guide e 2A ..." : nedt cest ton to ease well is west blaude mad tiebe

controlled environmental temperature. Enrance of temperature con lead to temperary infertility and temperature con lead to temperary affect a base of way affect a botar's witingness or abuity to want. need either plenty of bedding material or a closely

can see other pags. You should not entire boar pens overstoe eachy from the pen if the boar becomes prevent boars clembing and/or jumping into adjacent pens, Pens should be sited so that buars of riguons rigid be bloom showing be high enough to

selbstedo yns lo een ed Jam bas service the floor sees must be at least 100 mil letuten 101 beet also shed for metal for natural letuten 101 beet also also green for natural (S)

adult bow shall be 6 m² save as set out in ne sof esse sooft tistaurisdomu muminim ent (f), es

28. The lying area shall be dry and comfortable.

and sinell of her pigs, and sloal contain clean onable of the board of the second of the constitution of the control of the contr 

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West) has conditione, predictural and roles in a sectional read to condition and read of the prediction and roles are consistent and roles are con Animals not lept in failuidings shall where recessary and consistent or stell part of self in the stell of self in the stell of self in the self in the stell of self in the s

necessary to prevent milities to other animals or for

neus surers / Ludeubered The Welfare of Farmed Animals (England) Regulations 2000 (51, 2000 No. 1870), Schedule 1.

padducks in snow or severe wet weather.

faming' (see the Appendix).

fluzarit in nonword refers as it is a stone and secure as

include a strategy for dealing with emergency

bluoriz risid ensiles has difesed been about the

cutificions and feed promision to the site autificions

11. Stock selected for authors production must be

ot in externe circumstances during petiods of adverse weather. More information can be tound in Define's booklet. "Site suitability for outdoor pig simmer, (see the Anneada).

SPUS IRRUM SSOLUD SOUSCIDE GUIDROUS APPURAL DE PAGE

management, A guideline of 25 sows per heciare overall is researchable for suitable artes You may

Bild stocking densities must reflect the

Search frame roughly sons, in town tanners areas,

with freevy solls (especially in press with high rainfall), are generally unsurable for ourdoor

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asen you must distribute the feed widely and in system that does not include some form of protection during feeding. recommended. However, it you level sows using a and transfer refreshit and throughout referent and

DIY sows and gifts

The Welfare of Farmed Animals (England) (Amendment) Regulations 2003 (c.f. 2003 No. 299).

ereceing the lying seas excluding the duriging and averce consists to solve of size to select solves of the place solves and the place of the common their sides at the su due fluerou ro adás aux 'suamamba

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50 kg but less then or equal to 85 kg:

(e) 0.55 m² for each pig where the average

eggraves and selection of the sverage of the control of the piece of the piece of the piece of the period of the p

ed or event revitons and drive usilimatou agiq 11.6% 48. Pigs shell be placed in groups as soon as possible after weaning, they had be kept in groups with as little mining as possible. The Welfare of Tearned Atrimats (England) (Amendraent) Regulations 2003 (5.1, 2003 No. 299). Schedule 6, Part VI, paragraph 52 states:



3:1 Adequate shelter must also be provided to 13.7 Adequate shelfer mixt also be provided to project the anims from the sam is summer Validovs should be provided for breeding slowle to allow them to cool themselves and to produce multiple anims of the shelf in the same of the shelf in the shelf pics" (see the Appendix).

#### Feed and water

- 15 Food should be distributed widely and evenly to minimise aggression between animals, unless an alternative method is used to ensure even
- (7) You should carefully monitor the body condition of pigs during extremes of weather and adjust feed provision if necessary.
- The Welfare of Farmed Animals (England) (Amendment) Regulations 2003 (S.I. 2003 No. 299). Schedule 6. Part II. paragraph 15 requires: All pigs over two weeks of age must have perminent access to a sufficient quantity of fresh drinking water.
- 7.3 Arrangements should be in place to ensure the supply of water to stock in all weathers. Particular attention is needed at times of freezing

#### Fences

🐃 Electric fencing should be designed, constructed, used and maintained properly, so that when the animals touch them they only feel slight discomfort. All power units for electric fences must be properly earthed to prevent short circuits or electricity being conducted anywhere it should not, for example, gates and water troughs.

333. New breeding animals are unlikely to have

12: Every effort should be made to protect pigs, particularly young piglets, from predation. Steps such as a predator control programme and possibly for fencing should be considered.

#### Farrowing sows and piglets

175. In hot conditions, factating sows may be prompted to leave the arc to seek more comfortable conditions outside, effectively abandoning her litter Farrowing arcs should be insulated and have provision for some degree of extra ventilation such as manually controlled flaps.

The Welfare of Farmed Animals (England) (Amendment) Regulations 2003 (S.I. 2003 No. 299), Schedule 6, Fart M, paragraph 35 states that: Farrowing pens where sows are kept loose must have some means of protecting the piglets, such

518 Farmwing arcs should be sited on level ground to reduce the risk of overlying. Suitable restrainer boards should be used to prevent very young piglets from straying theing the post-formwing period.

#### Nose ringing

The Welfare of Farmed Animals (England) (Amendment) Regulations 2003 (S.I. 2003 No. 299), Schedule 6, Part II, peragraph 25 states that: Mose rings may not be put in animals kept continuously in Indoor husbandry systems.

1.27 Nose ringing is a miraliation and should be avoicible wherever possible. It is countly confied out to deter examision of the paddocks and damage to the cover regeration strongly excessive cooling. Nose intiging can induce the risk of environmental pollution, where there is a risk of serformmental pollution, where there is a risk of self-environmental pollution. Where it is necessary to nose ring pigs, it should only be tarried out by a suitably trained and competent operator. All equipment should be cleaned and disinfected between pigs.







#### Useful publications

#### A. Useful Publications related to pig welfare as at February 2003

PB number	Tirtle
0409	Code of Practice - the weffere of animals in fivestock markets
0621	Farm fires: advice on farm animal wetfare
1147	Emergencies on livestock farms
1148	Lameness in Pigs
1316	Heat Stress in Pigs - Solving the problem
1381	Guidance on the transport of casualty farm animals
2594	Explanatory guide to the Welfare of Animals (Slaughter or Killing) Regulations 198
3480	Condition scoring of pigs
3575	Assessment of practical experience in the handling, transport and care of animals: guide to employers
3766	Guidance on the Wellare of Animals (Transport) Order 1997
4444	Site suitability for outdoor plg farming
7350	Better biosecurity provides peace of mind, healthy stock and a more viable busine
Code of p	ractice on the responsible use of animal medicines on the farm (2001)

(Veterinary Medicines Directorate)

You can get copies of all these publications. free of charge, from:

Defra Publications Admail 6000 London SW1A 2XX

Telephone orders (for free publications): Telephone orders for time pusinous 0845 855 6000 Felophone enquiries: 0845 855 6000 Email: defra@ifoncegroup.com Website:http://www.defra.gov.uk

These publications are updated regularly. for more information on the most current versions and new publications, please conta Defra's Animal Welfare Division on: Tel no. 020 7904 6521

#### B. Legislation related to pig welfare as at February 2003

S.f. number	Title:
	Dogs Acts 1906 - 1928
	Protection of Animals Acts 1911 - 2000
	Protection of Animals (Anaesthetics) Act 1954, as amended
	Voterinary Surgeons Act 1966
	Agriculture (Miscellaneous Provisions) Act 1968 .
S.I. 1974 No. 798	The Docking of Pigs (Use of Anaesthetics) Order 1974
S.I. 1982 No. 1884	Welfare of Livestock (Prohibited Operations) Regulations 1982
S.I. 1990 No. 2627	Wetfare of Animals at Markets Order 1990
\$.I. 1995 No. 731	Welfare of Animals (Slaughter or Killing) Regulations 1995
5.I. 1997 No. 1480	Welfare of Animals (Transport) Order 1997
S.I. 1997 No. 1729	Animals and Animal Products (Examination for Residues and Maximum Residue Limits) Regulations 1997
S.I. 1998 No. 2537	Welfare of Animals (Staging Points) Order 1998
S.I. 1998 No. 463	The Specified Animal Pathogens Order 1998
S.I. 1999 No. 1622	Welfare of Animals (Transport) (Amendment) Order 1999
S.I. 1999 No. 400	Welfare of Animals (Slaughter or Killing) (Amendment) Regulations 1999
T 1 1000 No. 840	Andreas Dr. Daneton at Control about

5.1, 1999 No. 646 Animal By-Products Order 1999 S.I. 2000 No. 1870 Welfare of Farmed Animals (England) Regulations 2000

S.I. 2000 No. 1618 Transport of Animals (Cleansing and Disinfection) (England) (No.2) Order 2000 S.I. 2003 No. 299 Welfare of Farmed Animals (England) (Amendment) Regulations 2003

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Telephone orders: 0870 600 5522 Email: book.enquiries@theso.co.ul Mahalteistts://www.elish.co.org

You can get copies of the legislation quoted in this Code from the Stationery Office at:

15 paddestance centure of the active about this Code, please contact your local Animal Modific Divisional Office or Defra's Animal Welfare Division on Tel no: 020 7904 6521.

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33 34

# MARTIN O DONOVAN'S PIG FARM COOLIGBOY, TIMOLEAGUE, BANDON, CO CORK

# ATTACHMENT NO. 8

# COPY OF MANURE DELIVERY REGISTER

# PIG MANURE/DIGESTATE REGISTER

# IPC REG P0621-02

	PIG MANURE	PIG MANURE SPREAD BY	FARM CODE	FARMER NAME	VOLUME PIG MANURE DELIVERED M3	KGS N 4.2Kgs/M3	KGS P 0.8Kgs/M3
						0	0
						0	0
						0	0
						0	0
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