

## Odour Management Plan

<b>Farm Name:</b> Crockway Farm	<b>Applicant:</b> Crockway Farms Ltd
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**Updated;** 10/01/2024

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BAT 26 and 12 are only applicable to cases where an odour nuisance at sensitive receptors is expected and/or has been substantiated. Given the nearest sensitive receptor that is a private dwelling is over 94 meters away it is not expected to generate complaints, there is a receptor within 35 meters but this is a commercial receptor and both of these are shielded by trees and scrubs. The Odour Management plan sets out odour reductions and management on farm which reduce odour.

There is no history of odour complaints about the unit itself and there is good separation distance to receptors from the upper yard at Crockway Farm, the site is kept clean and tidy with slurry storage tanks covered and no open slurry channels, such that the unit does not represent a high risk of causing odour nuisance.

Measures that help minimise odour impact off-site are summarised in the following tables.

This plan will be reviewed at least every year or in the light of any building and management changes or on the outcome of any substantiated complaints.

When receiving an odour complaint, an 'Odour Complaint Form' will be filled out in detail by the person informing the complaint. Reasons for collecting this information is to;

- Identify source or specific issue
- Minimise the risk of repetition
- Reduce the intensity of odour experienced
- Investigate the complaint and record findings

When an odour complaint has been received:

- If the odour is still present, we will investigate ways to reduce or eliminate it immediately
- If the odour is no longer present, we will investigate ways to prevent reoccurrence in the future
- If the incident is identified as a 'one off' due to particular circumstances, the complainant will be informed and procedures will be put in place to prevent reoccurrence.
- The applicant will inform the EA of a complaint within 24 hours and report back any findings.
- If an odour complaint is received and odour is detected but the farm is unable to immediately bring the odour situation under control the short term measure

will be to communicate with both local residents and the Environment Agency to confirm the situation and try and put in place mitigation measures depending on the specific cause.

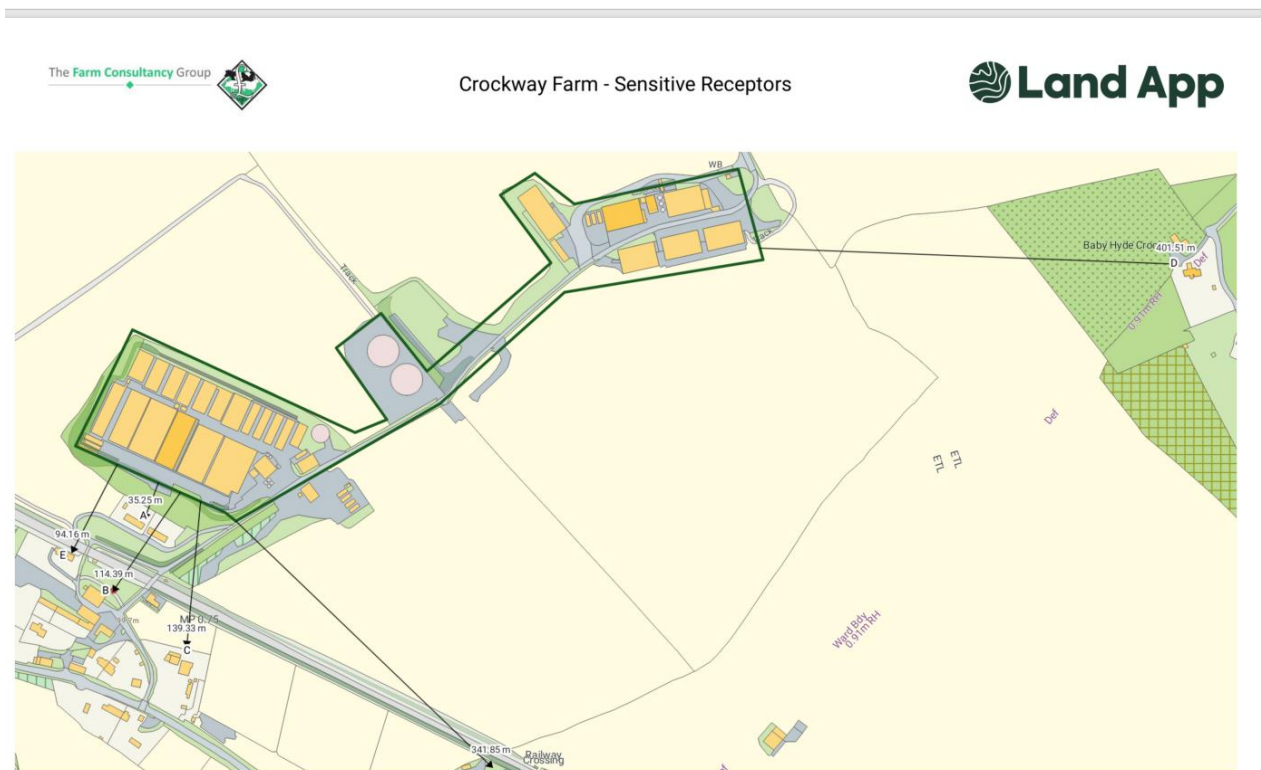
- Unforeseeable situations –
  - Staff illness – all staff on site are aware of the requirements of the OMP and are able to fill in should a member of staff be ill
  - Power cut – there is an on site generator which will be used if needed.

As with any livestock farm there is a risk of odour from “seasonal” handling and spreading of manure and slurry.

Measures to control odour emissions will, in the main, also contribute to the minimisation of ammonia emissions and are summarised in the following tables.

Any odour complaints will be recorded and investigated using the Odour Complaint Report Form within appendix 2. The unit has received very few odour complaints over the years, which shows that odour is controlled well on site. All complaints of odour are kept within the complaints file within the farm office.

Table below identifies the sensitive receptors within 400 meters of the site.



Receptor	Direction	Distance from permit boundary	Co ordinates	Description
A	South	35	361388, 096020	Woodside – Business
B	South	114	361348, 095942	Stables and other residential properties to the south (middle)
C	South	139	361426, 095873	Whiteacre and other residential proeries to the south (eastern side)
D	East	401	362394, 096876	Gardon Cottage – Residential
E	South	94	361305, 095976	The Flats and other residential properties to the south (west side)
F	South East	341	361728, 095774	The Plot – residential

<b>Odour Related Issues</b>	<b>Actions Taken To Minimise Odour</b>	<b>Completion Date</b>	<b>How to Comply Ref..</b>
Effects of diet on odour & ammonia emissions	Feed composition is closely matched to pig's requirements, especially protein, to minimise water consumption and urine excretion, and to help minimise manure moisture content. Low protein diet introduced and agreed by Environment Agency previously. Rations are under periodic review.	On-going	5.1.1
	Two different diets are fed to sows (gestation and lactation)	On-going	5.1.1
	Crude protein levels for all relevant diets are formulated and recorded down by the farm manager for inspection by the EA.	On-going	5.1.1
Manure Storage	Convert the whole system to slurry based, therefore will lead to much reduced manure storage.	On-going	5.3.2
	Dirty water is not allowed to pond and stagnate, the yard is cleaned weekly by members of staff.	On-going	5.3.2
Slurry Storage	The slurry stores are all covered to reduce odour and the particles used to cover the smaller tank are checked and re-filled as and when deemed necessary, and in accordance with the manufactures guidance. Two new concrete above ground stores will have a ridged dome cover. A weekly inspection of the condition of these covers is carried out by the farm manager.	On-going	5.3.1
	Slurry is introduced beneath the surface of the store to reduce odour and a monthly check by the farm manager of the slurry storage system is undertaken.	On-going	5.3.1
Cleanliness of Yard Areas	The whole farm is washed down within 48 hours from when the sheds are emptied to avoid ponding.	On-going	3.3
	A monthly inspection of all drains and concrete areas is undertaken by the farm manager to identify areas to be repaired.	On-going	3.3
	On farm drainage system has the ability to divert clean water and dirty water separately, all staff are given a yearly update on how the drainage system works.	On-going	3.3
All housing and management	<ol style="list-style-type: none"> <li>1. All pens and stock checked for cleanliness as part of daily welfare routines by all members of staff, areas to be repaired are reported to the farm manager.</li> <li>2. Hospital pens - straw pens and buildings bedded and cleaned out daily.</li> <li>3. Potentially odorous spillages (feed ingredients, manure/slurry etc.) cleaned up within 1 hour of being identified by staff members as per DMP.</li> <li>4. Stocking density maintained at or below levels set out in Welfare Regulations</li> <li>5. Housing system on farm offered reduced ammonia emissions compared to standard figures held by the EA.</li> </ol>	On-going	1.4 3.3 5.2
Emissions from Dry Sow Housing	Drinkers over troughs. Weekly maintenance check by the farm manager	On-going	1.4, 3.3 5.2
Emissions from Farrowing House	Drinkers over troughs. Weekly maintenance check by the farm manager	On-going	1.4, 3.3 5.2
Emissions from 1 <sup>st</sup> stage House	High Speed fan ventilation, up to date computer controlled air systems works well in the flat deck weaner house. Daily check by farm manager to ensure all running correctly. Slurry is removed when required from the tanks below the slatted floor, typically every 2-3 days.	On-going	3.3 5.2
		On-going	3.3
Emissions from Gilt houses	We employ fan ventilation system. Daily check by the farm manager to ensure all is running correctly. Manure/slurry not allowed to accumulate above slats.	On-going	3.3

<b>Odour Related Issues</b>	<b>Actions Taken To Minimise Odour</b>	<b>Completion Date</b>	<b>How to Comply Ref..</b>
Spreading Manure	No FYM Produced all fully slurry based apart from small area of hospital accommodation.	On-going	7.3.2
Spreading Slurry	The slurry produced applied by tanker with low trajectory splash plate. Plan to move towards dribble bar application. The local farmer / contractor puts it onto the land he farms, records of all exports kept in the farm office.	On-going	7.3.2
Animal Carcasses	Covered and locked storage and exported off farm on a weekly basis using a licenced dead stock collector. The currently plan is to use an on farm incinerator in the future. Incinerators to be used in most efficient manner to ensure quick and efficient burning. Carcasses will still be kept in covered containers and fed to the incinerator as required.	On-going	1.5
Feed Storage	All the feed is stored in covered hoppers with the exception of a small amount of bagged creep diet. All feed bins are part of a monthly maintenance inspection by the farm manager to identify work to be carried out. Feed storage containers are protected from damage by iron girders.	On-going	1.5 3.3, 5.1
Dust (esp. as an odour vector)	We have never had a complaint because of dust. All dry feed ingredients are stored in covered hoppers/bins, if excess dust is identified on the monthly maintenance check this will be cleaned up and removed.	On-going	3.3 5.1
On Farm Mill	Dust likely to be main vector for odour, therefore dust production to be kept to a minimum and mill kept tidy with monthly maintenance inspection carried out by the farm manager and a monthly cleaning of dust to ensure there is no excess build-up. On farm mill is located at the upper unit furthest away from sensitive receptors.	On-going	3.4
Feed Distribution	All feed pipework's are on a monthly inspection list carried out by the farm manager, should a fault be identified between the monthly inspection this will be repaired with any leaks or spills cleaned up within 1 hour.	On-going	3.4
Biomass Boiler	Moisture content of wood recorded weekly by farm manager to ensure running efficiently. Daily check carried out by farm manager and boiler fully serviced as per the manufacturer's guidance of every 3 months. Monthly cleaning of the boiler and boiler house to reduce dust build-up.	On-going	
Odour Complaints	In the event of a complaint we would log and investigate the cause as per the complaints procedure outlined within Brief and the complaints report form in Appendix 1.	On-going	3.4

## Odour Report Form

Staff Member:	
Time & Date:	
Location:	
Temperature:	
Wind Strength	
Wind Direction	
Intensity (See below)	
What does it smell like?	<b>1      2      3      4      5</b>
Location Sensitivity (See below)	<b>0      1      2      3      4      5</b>
Is the source evident?	
Comments and observations	
Corrective actions taken	
Was the odour eliminated	

1	No detectable odour
2	Faint odour (barely detectable, need to stand still and inhale facing into the wind)
3	Moderate odour (odour easily detectable while walking and breathing normally)
4	Strong odour
5	Very strong odour (possibly causing nausea depending on type of odour)

0	Not detectable
1	Remote (No housing, commercial/industrial premises or public area within 500m)
2	Low Sensitivity (No housing etc. within 100m of affected area)
3	Moderate sensitivity (Housing etc. within 100m of affected area)
4	High sensitivity (Housing etc. within area affected by odour)

5 Extra sensitive (complaints arising from residents within area affected by odour)

## Complaint - Actions and Outcome Record Sheet

### Complainant

Record name, or 'withheld' if requested but not given by complainant, or 'not supplied' if it was not requested by the person receiving the complaint.

Name of person	
Organisation name	
Address	
Telephone	
Email address	

### Complaint about and description

Odour	
Dust	
Noise	
Other	

### Nature and record of complaint

<p>Product / Service / Action / Document / Other (describe):</p> <p>Person who used / expected it:</p> <p>Date used /expected:</p> <p>Nature of deficiency:</p>
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**Complaint Number.....**

**Complaint handled by**

Name of person	
Role	
Received by	Letter / email / telephone / meeting
Date received	

**Action and issues being investigated**

[Record details of any other organization / external person involved, if applicable. Add more action rows if necessary.]

Action 1 (Description)	
Action by (name of person)	
Date by	
Action 2 (Description)	
Action by (name of person)	
Date by	
Action 3 (Description)	
Action by (name of person)	
Date by	

**Outcome**

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**Communicated to**

Date complainant notified	
Date any other parties notified	
Names of any other relevant parties (for each, state person and organization)	

**Keep a copy of this record and file it with any other documents associated with the complaint, actions taken and the outcome**

