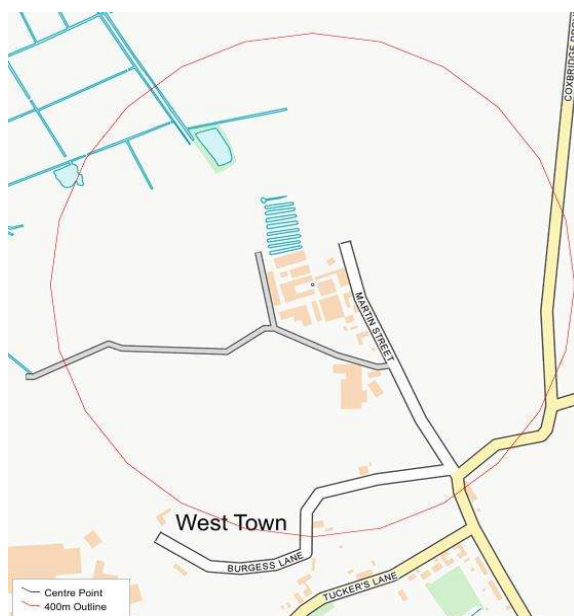


EPR: Odour Risk Assessment

Site Name: J & A Moon

Site Address: Yarrow Hey

This plan establishes the likely sources of odour arising from swine housing, and outlines the risks and procedures in place to prevent and minimise odour produced as a result of the farming practices. There is no history of odour complaints resulting from the activities at the existing pig sheds.



The map to the left shows a 400m radius from the centre of the installation.

The prevailing wind direction for this site is South-westerly.

Receptor	Distance from site	Direction	Type of receptor	Grid Reference
Dwelling 1	Within 100m	NW of centre of installation	Residential Dwelling linked to the business	ST 53854 35633
Dwelling 2	Within 100m	SE of centre of installation	Residential Dwelling linked to the business	ST 53894 35557
Dwelling 3	Approximatley 100m	South of centre of installation	Residential Dwelling linked to the business	ST 53897 35512
Constructed Wetland	Within 100m	SE of centre of installation	Surface Waters	ST 53784 35662
Farm and Dwelling 4	100+m	SW of centre of installation	Residential Dwelling and farm not relating to the business	ST 53908 35434
Dwelling 5	Approximatley 300m	SW of centre of installation	Residential Dwelling not relating to the business	ST 53905 35296
Dwelling 6	Approximatley 400m	SW of centre of installation	Residential Dwelling not relating to the business	ST 53839 35212
Surface waters linking with Butt Moor Middle Rhyne	Within 300m	NW of centre of installation	Surface Waters	ST 53677 35823

Hazard	Receptor	Pathway	Preventative Measures for Odour Management	Probability of exposure	Consequence	What is the overall risk?
Feed content & type leading to higher levels of ammonia in manure	Neighbouring dwellings	Air	Feed composition is closely matched to pigs' requirements, especially protein Sows are fed two diets, through separate feed bins and wet/dry feeding systems Growing and finishing pigs are fed three different diets, either ad-lib dry or through the wet feed system Diets are continually reviewed with a professional nutritionist to ensure good performance Records of crude protein levels and diet formulation are kept in the site office Feeds are bought as pre-mixes from Trouw nutrition or mixed on farm (Soya from Mole Valley, Barley from James Boulton, Wheat from local farmers)	Unlikely	Odour annoyance	Not significant if managed carefully

Hazard	Receptor	Pathway	Preventative Measures for Odour Management	Probability of exposure	Consequence	What is the overall risk?
Odour from feed delivery and storage	Neighbouring dwellings	Air	All feed is delivered in blower lorries and stored in silos to prevent feed from getting wet and spoiling. All storage is checked regularly by the site manager, any spillage is cleaned up and investigated. Dry feed is mixed within a shed, all spillages are cleaned up and disposed of promptly. · Dry feeds and feed ingredients are stored in covered hoppers to prevent the feed from getting wet and spoiling · The feed storage and distribution pipework is checked by the site manager in accordance with the site's preventative maintenance schedule. Any leaks will be repaired quickly and any spillage cleaned up · Dry feed is mixed within a shed. All spillages are cleaned up and disposed of promptly · Waste foodstuffs are not allowed to enter long-term slurry store	Unlikely	Odour annoyance	Not significant if managed carefully

Hazard	Receptor	Pathway	Preventative Measures for Odour Management	Probability of exposure	Consequence	What is the overall risk?
Odour from poor ventilation in pig housing, causing higher ammonia levels in bedding.	Neighbouring dwellings	Air	Ventilation corresponds to animals' needs and is checked to be functioning correctly: -Air outlets positioned to optimise dispersion to atmosphere. -Buildings insulated and insulation kept in good order. See ventilation plan for sheds. Electrician is called for any repairs required – back up systems are in place, including a generator in case of loss of power.	Unlikely	Odour annoyance	Not significant
Carcase Disposal and storage	Neighbouring dwellings	Air	Pig carcasses are kept in covered storage and collected regularly by a professional fallen stock company. Storage container is sealed, preventing leaks.	Unlikely	Odour annoyance	Not significant
Manure Management- Cleaning out of sheds, manure handling and spreading.	Neighbouring dwellings	Air	Regularly collect manure to avoid buildup. Passageways are scraped and manure is stored in a covered FYM store to reduce exposure to moisture and air. All slurry is exported off the holding for suitable storage or landspreading off-site.	Unlikely	Odour annoyance	Not significant