

EPR: Dust, bioaerosol and fugitive emissions Risk Assessment

Site Name: J & A Moon
 Site Address: Yarrow Hey
 Review Date: 21/10/25

Next Review Date: October 2026



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

What do you do that can harm and what could be harmed?			Managing the risk	Assessing the risk		
Hazard What has the potential to cause harm?	Receptor What is at risk? What do I wish to protect?	Pathway How can the hazard get to the receptor?	Risk management What measures will you take to reduce the risk? If it occurs – who is responsible for what?	Probability of exposure How likely is this contact?	Consequence What is the harm that can be caused?	What is the overall risk? What is the risk that still remains? The balance of probability and consequence.
Dust: Feed, bedding, dry dirt from machinery & vehicles, ventilation.	Neighbouring dwelling houses within 400m of the installation: Nuisance, Contributes to odours, Human and Animal Health - inhalation. Surrounding vegetation: covers leaves and inhibits photosynthesis.	Air	Use of suitable bedding materials, which are kept in clean, tidy stores. Wash down machinery before dirt can dry to prevent dust. Routinely clean machinery, vehicles and yard to prevent dirt and dust from travelling. Use of pelleted feed delivered in sealed systems, provide workers with masks in excessively dusty environments/ carrying out certain jobs such as dealing with dusty feed or bedding. Bedding and manure is moved carefully to a covered store. Care is taken to avoid dust accumulation around exhaust vents.	Likely for the closest houses to the installation.	Nuisance - dust on surrounding vegetation, cars, clothing. Smothering and direct damage to nearby vegetation, inhalation problems in extreme cases.	Not significant if managed carefully.

Ammonia: manure in storage, dirty bedding in pig housing.	Neighbouring dwelling houses within 400m of the installation: Nuisance, Contributes to odours, Human and Animal Health - inhalation. Surrounding vegetation: toxic effect, especially to vulnerable receptors, e.g. ancient woodland.	Air	Measures as described in How to Comply – Intensive Farming, and relevant BAT standards. Bedding kept dry, frequent manure removal where possible, passageways and slats scraped and washed down regularly. Feed formulated to match each stage of pigs. Try to remove manure during low winds, or when wind is blowing in direction away from nearest dwellings.	Likely there may be some odour, but ammonia screening has confirmed that there will be little effect on nearby vulnerable receptors.	Some odour nuisance	Not significant.
Zoonoses and notifiable diseases	Human health & livestock	Air	Detailed biosecurity precautions in place - see biosecurity plan.	Unlikely	Human health & livestock health implications, shut down of site.	Not significant if managed carefully.
Wash Water run off to nearby watercourse	Damage to water quality, affecting wildlife, vegetation, livestock health (if nearby farms have access to the water for livestock drinking)	Land/ Water	All drainage in the farmyard has been investigated and a plan drawn up for pathways. This means all dirty yard water/ wash water should be contained in one of the slurry stores, and all yards to be kept clean. For any spillages, the accident management plan should be followed.	Unlikely	If not properly contained it could lead to pollution of watercourse leading to eutrophication and poisoning of flora and fauna.	Not significant if managed carefully.

Noise Complaints Procedure

If a noise complaint is received, the business (Graeme Moon) will record this within the Noise Complaints Record.

Details of the complaint will be recorded and the business will add the following information: the activity(s) taking place at the time, timing of the complaint and weather conditions at time of complaint.

The likely reason(s) for the complaint will also be recorded, and the complainant contacted as appropriate.

Corrective measures will be taken (where reasonably practicable) to avoid reoccurrence.

The noise management plan will be updated accordingly, and shall be reviewed yearly.