



# DUST AND BIOAEROSOL MANAGEMENT PLAN

**DEVELOPMENT:** New IPPC Permit: Ellerdine Grange Farm Poultry Unit

**LOCATION:** Ellerdine Grange Farm, Ellerdine, Telford, Shropshire, TF6 6QR

**CLIENT:** E Agri Ltd

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***Reviewed: March 2026***

**There are one receptors within 100 metres of the development site for the pullet rearing unit at Ellerdine Grange (include receptors owned by operator/operator staff)**

<b>NAME</b>	<b>EASTING</b>	<b>NORTHING</b>	<b>Distance from unit to residential curtilage (m)</b>	<b>Direction from Site</b>
<b>Ellerdine Grange Farm, Ellerdine, TELFORD, Telford and Wrekin, TF6 6QR</b>	<b>360712</b>	<b>320822</b>	<b>50-100m away</b>	<b>South</b>

## **Dust Management Plan Objectives**

Dust can be a source of nuisance, odour and air pollution and may affect human health. It originates from bedding, feed and the animals themselves. This management plan highlights how dust control methods are being used on the installation.

The control of dust can be divided into two categories:

- control at source
- control at exhaust

## **Conclusion**

The assessment demonstrates that dust risks at Land at Ellerdine Grange will be effectively controlled through a combination of well-designed infrastructure, strict operational practices, and continuous monitoring. Key dust-generating activities, such as feed handling, ventilation, litter management, and clean-out, are all managed using sealed systems, accredited suppliers, controlled ventilation, and carefully planned procedures that minimise emissions at source. Additional measures, including the use of scrubbers, high-quality litter, spill-prevention systems, and covered transport, further reduce the potential for dust to escape into the environment.

Across all stages of the operation, the actions in place ensure that dust creation is kept to a minimum and that any unavoidable dust is contained and managed responsibly. With these controls fully implemented and maintained, the site operates in a way that protects workers, livestock, and the surrounding environment from dust-related impacts.

## DUST MANAGEMENT PLAN

### Typical dust Sources and Actions Taken to Minimise Dust

Dust Related Issue	Potential Risks and Problems	Actions taken to minimise dust and dust risks at Land at Ellerdine Grange	Completion date
Manufacture and selection of feed	<ul style="list-style-type: none"> <li>•Milling and mixing of compound feeds</li> <li>•The use of poor quality ingredients</li> <li>•Feeds which are 'unbalanced' in nutrients, leading to increased excretion and litter moisture which then to be dried using extra ventilation and dust production</li> </ul>	<ul style="list-style-type: none"> <li>•No on-site milling. Mixing will be done within a sealed steel building.</li> <li>•Feed specifications are prepared by the feed compounder's nutrition specialist</li> <li>•Feed is supplied only from UKASTA accredited feed mills, so that only approved raw materials are used</li> </ul>	Before first crop arrives
Feed delivery and storage	<ul style="list-style-type: none"> <li>•Spillage of feed during delivery and storage</li> <li>•Creation of dust during feed delivery</li> </ul>	<ul style="list-style-type: none"> <li>•Feed delivery systems are sealed to minimise atmospheric dust</li> <li>•The condition of feed bins is checked frequently so that any damage or leaks can be identified</li> </ul>	Before first crop arrives
Ventilation system	<ul style="list-style-type: none"> <li>•Inadequate air movement in the house, leading to high humidity, wet litter followed by excessive ventilation</li> </ul>	<ul style="list-style-type: none"> <li>•The ventilation system is regularly adjusted according to the age and requirements of the flock</li> </ul>	Before first crop arrives

	<ul style="list-style-type: none"> <li>•Inadequate system design,</li> </ul>	<ul style="list-style-type: none"> <li>•The ventilation system is designed to efficiently remove moisture from the house. The ventilation is low velocity in the side of the sheds and not directed at any receptors.</li> <li>•Scrubbers are used to reduce dust output. When pop holes are opened ventilation will be increased to ensure negative pressure is maintained and the scrubbers are working effectively.</li> </ul>	
Litter management	<p>The use of insufficient or poor quality litter</p> <ul style="list-style-type: none"> <li>• Spillage of water from drinking systems</li> <li>• Disease outbreaks, leading to wet litter</li> </ul>	<ul style="list-style-type: none"> <li>•Controls on feed and ventilation (see above) help to maintain litter quality. Additional controls include:- Use of nipple drinking systems with cups which minimise spillage, insulated walls and ceilings to prevent condensation, concrete floors to prevent water ingress, stocking density at low levels to prevent overcrowding, addition of extra bedding material. Use of a health plan, with specialist veterinary input used as necessary.</li> </ul>	Before first crop arrives
House Clean Out	<ul style="list-style-type: none"> <li>•Creation of dust associated with litter removal from houses</li> </ul>	<ul style="list-style-type: none"> <li>•The fans in the sheds are remotely controlled to reduce ventilation during clean out. Clean out also only occurs after 2 hours from the birds leaving the shed to reduce emissions.</li> <li>•Litter is carefully placed into trailers at the back of each house as per the Installation Plan. When full, the trailer is covered.</li> <li>•Doors kept closed whenever possible.</li> </ul>	Before first crop arrives
Used litter	<ul style="list-style-type: none"> <li>•Storage of used litter on site</li> </ul>	<ul style="list-style-type: none"> <li>•Litter is dried in the manure drying tunnel. All air from the manure drying tunnel passes through the scrubber before exiting the building.</li> </ul>	Before first crop arrives

		<ul style="list-style-type: none"> <li>• Minimal litter is stored on site</li> <li>• Litter is transported in covered trailer</li> </ul>	
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## COMPLAINTS PROCEDURE

If a complaint is received from a local resident, an investigation shall be instigated within one working day to identify the cause of the non-compliance/complaint and the Complaint Form, will be filled in and appropriate action will be taken to remedy the problem should the complaint be validated.

A complaint investigation may involve the identification and cessation of the activity or activities considered to be the cause of the non-compliance/complaint and/or the investigation of mitigation measures to reduce the noise emission levels from the activity or activities, for example the replacement of noisy plant with quieter alternatives and/or the use of temporary screening mounds.

Any deviation from agreed working practices shall be identified immediately and conformance to the working practice reinstated.

If it is not possible to identify the source of the complaint it may be necessary to undertake a noise survey. If this is needed a suitably qualified person should be employed to undertake the required survey work. The date and results of the noise survey should be logged and reported to NRW.

**DUST COMPLAINT FORM**

<b>Ellerdine Grange</b>		<b>Date Recorded:</b>	<b>Reference No:</b>
<b>Name and address of caller</b>			
<b>Telephone</b>			
<b>Location of caller in relation to the installation</b>			
<b>Time and date of complaint</b>			
<b>Date, time and duration of offending noise</b>			
<b>Callers description of the noise</b>			
<b>Has the caller any other comments on noise?</b>			
<b>Weather conditions</b>			
<b>Wind strength and direction</b>			
<b>Any previous complaints relating to noise?</b>			
<b>Any other relevant information?</b>			
<b>Potential noise sources that could give rise to the complaint</b>			
<b>Operating conditions at the time of the offending noise</b>			
<b>Follow up – date and time caller contacted</b>			
<b>Action taken</b>			
<b>Amendment requirement to Noise Management Plan</b>			
<b>Form completed by (print)</b>		<b>Signed and date</b>	