

Odour Assessment at Gulham Poultry Unit

HAZARD	RECEPTOR	ROUTE	RISK MANAGEMENT	PROBABILITY OF EXPOSURE	CONSEQUENCE	WHAT IS THE OVERALL RISK
Broiler rearing	No receptors within 400m	Air	Twice daily olfactory checks coinciding with stock inspections (normally 07.00-10.00 hrs and 16.00-18.00hrs) any abnormalities recorded and investigated	slight	Odour annoyance to humans	Not significant
Manufacture and selection of feed	No receptors within 400m	Air	No on-site milling and mixing. Feed specifications are prepared by the feed compounder's nutrition specialist. Feed is supplied only from UKAS accredited feed mills, so that only approved raw materials are used.	slight	Odour annoyance to humans	Not significant
Ventilation and	No	Air	Use of roof extraction fans	Slight	Odour	Not

heating Systems/Dust	receptors within 400m		to aid dispersion, checked prior to cycle commencement by qualified electrician who will provide 24hr breakdown cover The ventilation and heating system is regularly adjusted to match the age and requirements of the flock. The ventilation system is designed to efficiently remove moisture from the house. Indirect heating system giving lower humidity levels. Humidity recorded daily and maintained in the range of 55 – 65% keeping a balance of dry litter and avoiding dust production. Stock inspections carried out by trained		annoyance to humans	significant
Feed delivery and storage	No receptors within 400m	Air	Feed delivery systems are sealed to minimise atmospheric dust. Any spillage of feed around the bin is immediately swept up. The condition of feed bins is checked frequently so	slight	Odour annoyance to humans	Not significant

			that any damage or leaks can be identified. Feed deliveries are monitored to avoid dust and spills.			
Litter management	No receptors within 400m	Air	Controls on feed and ventilation (see above) help to maintain litter quality. Additional controls include:- Use of nipple drinkers with drip cups to minimise spillage. Daily checks of drinker height and pressures to avoid capping. Insulated walls and ceilings to prevent condensation. Concrete floors to prevent ingress of water. Stocking levels at optimum to prevent overcrowding. Use of veterinarian bespoke health plan.	slight	Odour annoyance to humans	Not significant
Carcase disposal	No receptors within 400m	Air	Carcasses placed into plastic sealed bags, stored in sealed, locked, shaded and vermin proof containers away from sensitive receptors. Frequent (3/5 times per	slight	Odour annoyance to humans	Not significant

			week) Incineration of carcasses. Carcass bins checked daily for integrity, damaged containers will not be used and replaced. Containers washed and disinfected with washings directed to dirty water tanks.			
House clean out	No receptors within 400m	Air	Houses sealed immediately following destocking. Minimum ventilation in operation during de littering Litter carefully placed into trailers positioned close to doors. Trailers sheeted before leaving fill position. Only DEFRA approved and suitable products used. Chemical containers triple washed at point of use. Wash water tank levels monitored during washing and emptied as required to prevent overfill. Litter out carried out within 24 hours following destocking per house (48 hours total for site)	slight	Odour annoyance to humans	Not significant
Used litter	No receptors	Air	No storage of litter on site, all litter removed	slight	Odour annoyance to	Not significant

	within 400m		immediately. All trailers sheeted before leaving fill position. Avoidance of double handling.		humans	
Waste production/storage	No receptors within 400m	Air	No storage or production of odorous waste on site. Waste management plan in force detailing types and quantities produced along with disposal routes. Records kept on site.	slight	Odour annoyance to humans	Not significant
Washing operations including vehicles	No receptors within 400m	Air	Use of specialist contractors for washing operations. Bespoke terminal hygiene program followed, detailing quantities of water and chemical dilution rates. Exhaust vents washed under low pressure to minimise both dust and the release of dirty water to poultry house roofs. Key staff monitoring washing operations ensuring effective drainage to dirty water tanks. Dirty water tanks monitored during wash down to maintain freeboard. Washing operations	slight	Odour annoyance to humans	Not significant

			completed within three days, commencing immediately following de littering. Vehicle washing at designated wash point, washings directed to dirty water tanks All sediment traps and drains cleaned both before and after washing operations with any sediment sent off site with litter. Dirty water system flushed with clean water prior to dirty water tanks being emptied, tanks emptied immediately following washing has ceased.			
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