<u>Dust/Bioaerosol Management Plan</u> <u>Setchey Farm</u>

Setchey Farm operations have sensitive receptors within 100m of the site boundary.

The main possible dust sources/operations are listed below:

- 1. Feed Deliveries
- 2. Feeding Systems
- 3. Bedding
- 4. Litter management
- 5. Stock inspections
- 6. Ventilation
- 7. Clean out Operations
- 8. Bird numbers

A table listing these sources with measures to control/reduce dust emissions is listed below.

Source	Method	Reduction	Implementation
		Technique	
Feed	Feed delivery to	Vents from silos	In place
	Silos	covered to prevent	
		release to	
		atmosphere	N/A
	Feed milling	No milling	Continuous
	Feed Type	undertaken	Continuous
		Use of pelleted	
		feed	
	Feed Ingredients	Oil coating on	Limited as not in
		pellet	operator control
		Some use of maize within diets	In place
	Feed delivery	Sealed pipe	Continuous to prevent
	system	delivery into poultry	dust or potential
		houses, feed piped	contamination of water
		down into hoppers	course
		minimising dust,	

	Feed spillages Bins and delivery pipe work	pan feeding system on timed feeding preventing over feeding Any feed spills cleared up immediately. Daily visual checks on integrity of bins and pipework, not to be used if a defect is found.	
Bedding	Bedding Type	Use of dust	In place
	Bedding depth Bedding application	extracted shavings Bedding layer will be either green sawdust which has high moisture content minimising dust or dust extracted shavings, not blown into poultry house. Shavings spread inside house with only minimum ventilation in operation to minimise dust release. Top up bales spread during cycle with light intensity reduced to prevent birds panicking minimising dust.	In place In place
Litter Management	Excessive dry litter	Computer controlled environment	Relative humidity controlled between 55 and 65% keeping balance between dust and odour production
Stock inspections	Increased bird activity	Stock inspections by trained personnel	Light levels reduced to prevent birds panicking and reduced stress
Ventilation	Ventilation Type	Use roof extraction fans on houses 1 - 12	In place on all houses increasing dispersion/concentration

House Cleaning	Dust production during de littering/cleaning operations	Litter removed carefully during cleanout minimising dust. Full trailers sheeted before leaving installation. Houses and exhaust vents pre- soaked with low pressure hose to minimise dust release. Exhaust vents then high pressure hosed minimising any lightly contaminated water release onto roofs.	In place/continuous In place/continuous
Bird numbers	Stocking Density	Stocking rate determined by integrator	N/A

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Plan to be reviewed every four years or following a substantiated complaint, with Area officer being notified of any changes for approval.