

**NOISE MANAGEMENT PLAN**

**SUTTON VENY POULTRY UNIT**

**Sutton Veny Poultry Unit**  
***Amber Real Estate Investments Ltd***  
**Deverill Trading Estate**  
**Sutton Veny**  
**Warminster**  
**Wiltshire**  
**BA12 7BZ**

**Pre-App no: EPR/PP3232EF/A001**

**Grid Reference: ST888 417 (388881, 141745)**

<b>Issue date</b>	<b>Review date</b>	<b>Review by</b>
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## Introduction

This bespoke Noise Management Plan (NMP) has been prepared to support the overall Environmental Management System in place at Sutton Veny Poultry Unit. The overriding principle of this NMP is to ensure the day to day activities are carried in accordance with this document to help minimise the overall environmental impact. As there are number sensitive receptors within close proximity of the installation this OMP has been prepared as Best Practice.

## Installation Background

The installation is approximately 5.5 acres in size and located at National Grid Reference ST888 417 (388881, 141745). Sutton Veny Poultry Farm is situated at the south east corner of Deverill Road Trading Estate, a small scale industrial estate 800 metres south west of the village of Sutton Veny and 3km south of Warminster. The installation is at an elevation of 120 metres situated in a valley with wooded covered hills to the north and steep escarpments within a few hundred metres which rises to 200 meters.

The nearest sensitive receptor is an allotment on the western boundary of the site with the closest residential receptor approximately 160 metres North West of the new buildings.

Since the original permit application, a number of positive changes have been implemented to the proposal. The scale of the development has been reduced from 5 buildings to 4 buildings and, as a result, reduced site capacity from 223,900 bird places to 179,120 bird places and more in line with original stocking numbers.

These steel clear span poultry houses will be built in accordance with B.A.T. using high levels of insulation to reduce energy demand and a state of the art ventilation system to minimise the effects on nearby designated sites/receptors. Originally each building was to use high speed roof mounted fans exhausting the air at no less than 7m/s and a number of large gable mounted fans to be used as summertime ventilation during hot weather. The revised system comprises high velocity roof mounted fans positioned at the top of a bespoke air / dust collection chamber situated on the eastern gable end of each building. The 920mm high velocity fans will exhaust air at no less than 16m/s at a height of 8 metres with fresh air being drawn into the building via inlets mounted in the side walls and the rear gable walls.

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At 35 days a proportion of the birds are removed for slaughter, with the remaining birds being processed by around 41/42 days of age.

At the end of the growing cycle all birds are depleted off site with the building being dry; cleaned by means of compressed air being used to remove dust build up from the building internals and equipment before litter is removed.

All spent litter will not be stored on site but will be disposed off site by third parties with the appropriate licenses or permits.

Following dry cleaning the buildings are then washed clean using high pressure water which is collected and removed from site. Once dry all the building internals are disinfected to point of run.

On average there are 7 crops per annum with a turnaround of 5-7 days between crops. Mortalities are removed from the sheds daily and the numbers recorded.

The purpose of this Noise Management Plan is to:

- Establish the likely source of noise arising from the farm.
- Set out procedures at the farm in order to mitigate or minimise the risk of noise.
- Formalise an effect method of dealing with any noise complaints quickly and efficiently.

### **Potential Noise Sources**

In undertaking a detailed Noise Risk Assessment and Acoustic Survey, the following sources have been identified as contributing to a potential medium - high risk odour source.

- Noise arising from vehicle movements into and around the site.
- Noise arising from ventilation systems and operations.
- Noise arising from de-populating (thinning and final depletion).
- Noise arising from cleanout (machines and loading of trailers).
- Noise arising from standby generators and other mobile plant.

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## Pathways and Receptors

The pathway for all of the above sources would be via the atmosphere, with the most sensitive receptors being inhabitants of nearby residential dwellings. The wind direction will significantly influence how receptors are affected.

In order to minimise the effects of any potential noise all activities, vehicle movements and ventilation will be carried out at the east side of the site. Only vehicles entering and exiting the site will use the western end of the site.

## Noise Management and Control Measures

Noise Related Issue	Potential Risk and Problems	Actions taken to prevent and minimise risk
<p><b>Noise from vehicle accessing and manoeuvring</b></p> <p><b>Specifically HGV's</b></p>	<p>Vehicles arriving at the site.</p> <p>Revsing of engines.</p> <p>Reversing sirens.</p> <p>Rattling of empty trailers loading with catching modules (depopulation specific).</p> <p>Rattling of empty bulker trailers.</p> <p>Release of air brakes.</p>	<p>15mph speed restriction in place for any HGV's coming to or leaving the site, 5mph restriction once on site.</p> <p>8am – 6pm vehicle movement curfew in effect.</p> <p>Revsing of engines to be kept to a minimum at all times.</p> <p>Reversing sirens not to be used on site when safe to do so.</p> <p>Speed restrictions to be observed at all times</p>
<p><b>Noise from machinery working on site</b></p> <p><b>Catching forklifts (depopulation specific)</b></p>	<p>Loading and unloading of live bird modules on/off intake trailers and movement around site.</p> <p>Cleaning out machines scraping internal floors to remove litter.</p>	<p>Catch team are to unload no more than 2 modules at any one time and to work in a one on one off basis to minimise movements to a specific area.</p> <p>Machine operators are to work inside buildings. There is to be no scraping of external concrete aprons – these areas are to be mechanically brushed only.</p>

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<p><b>Skid steer, long reach loaders and compressors (muckout specific)</b></p>	<p>High pressure compressed air used for blowing down building internals.</p> <p>Long reach loaders used for loading bulker trailers (externally).</p>	<p>High pressure air compressors are to be positioned within the building being blown down to help reduce external noise through running of engines.</p> <p>High volume long reach loaders are to load trailer at the Eastern end of the site only are to do so as close to the building as possible.</p>
<p><b>Ventilation systems and operational techniques</b></p>	<p>Noise created from backdraft shutter in vent chimneys.</p> <p>Noise created from worn fan motors and bearing.</p> <p>Noise created from large belt driven.</p> <p>Additional noise created through fans running in air chamber</p>	<p>All fan chimney backdraft shutters are mechanically operated and sit on a tight rubber dampener to minimise movement while non-operational.</p> <p>All fans are inspected and maintained at the end of each cycle to maintain operational efficiencies.</p> <p>Air chamber is to internally clad and insulated the minimise an echoing effects</p>
<p><b>Noise from feed deliveries (Delivery of feed into feed silos)</b></p>	<p>Engine noise from both vehicles and blowing motors.</p> <p>Delivery of feed through pipework into silos.</p> <p>Location of feed silos in relation to sensitive receptors.</p> <p>Times of deliveries</p>	<p>Request the use of modern well silenced vehicles.</p> <p>Delivery drivers will be requested to deliver feed under minimum pressure.</p> <p>All silos are positioned at the furthest locations possible away from any sensitive receptor without comprising operational requirement. Silos are positioned at the western end of the buildings behind the control rooms.</p> <p>With adequate storage capacity on site feed deliveries are restricted to the 8am – 6pm curfew Monday to Friday and 9am – 12am Saturday. No deliveries are requested for Sundays.</p>
<p><b>Noises from washing / disinfection operations</b></p>	<p>Prolonged engine noise from wash pumps running.</p>	<p>Modern low noise pumps requested through the approved contractor.</p>

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	<p>Location of washing trailers in relation to sensitive receptors.</p> <p>Times of washing operation.</p>	<p>All wash pumps will be located with the service area (concrete apron) at the western side of the site</p> <p>The washing operation is restricted to the 8am – 6pm curfew Monday to Friday and 9am – 12am Saturday. With no washing being carried out on Sunday's</p>
<p><b>Waste removal / recovery</b></p> <p><b>Litter removal</b></p> <p><b>Waste water removal</b></p> <p><b>General waste</b></p>	<p>Vehicle movements.</p> <p>Access times.</p>	<p>All vehicle movements are restricted to the 8am – 8pm curfew Monday to Friday and 9am – 12am Saturday. No deliveries are requested for Sundays.</p>
<p><b>Excessive noise created by bird depletion</b></p>	<p>Bird excitement / stress.</p> <p>Loading of modules onto trailers.</p>	<p>Only approved contractor trained in the catching of poultry are to be instructed to load drawers in modules.</p> <p>Schedule loading so that birds are quickly loaded onto trailers and removed from site once complete.</p>
<p><b>Noise from standby emergency generator</b></p>	<p>Location of generator.</p> <p>Building construction.</p> <p>Routine testing of generator.</p>	<p>The standby generator is located next to the site office away as far as practical possible from any sensitive receptor.</p> <p>The building in which the generator is housed is an insulated timber constructed building with an internal acoustic lining to help minimise any excessive noise.</p> <p>As it is a requirement to ensure the generator is in working condition at all times the power unit must be run and documented for two hours every week. This will be done by two single one hour tests every Tuesday and Thursday throughout between the hours of 10am - 2pm.</p>

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		<i>Following any failure in power supply to the site the generator will automatically take over the supply to the site and will therefore run for as long as required without any restriction</i>

### **On Farm Monitoring and Continual Improvement**

- Weather conditions are monitored and recorded daily; the use of a mobile monitoring station would be introduced should any continual problems / complaints arise.
- Complaints and Subsequent actions are to be logged on site.
- Staff will receive annual training regarding Environmental Permitting Regulations which will include noise management and any new company procedures.
- If requested in-house ammonia monitoring can be carried out at specific times during the flock cycle to help gauge further background information on odour release.

### **Noise Complaints Procedures**

Any noise complaints received in direct relation to the installation shall be recorded on a complaints form. Noise complaints shall be fully investigated and available at future inspections. Complaints received directly from the public will be notified to the Environment Agency.

Investigations shall take into account,

- The activities taking place at the time of the complaint.
- The timing of the complaint.
- The weather conditions at the time of the complaint.
- Any abnormal operations either on site or nearby.
- Any changes that may have been made to a standard operational procedure.
- The receptor and the impact that may have been caused.

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Following all investigations into complaints, if the issue is caused by an operation at the site a discussion will be had with the Environment Agency. Any practical proactive measures which can be agreed will be implemented to help minimise the impact.

### **Noise Monitoring and Reduction Plan**

A detailed continual 12 month noise assessment is proposed to clearly identify if there is any risk of noise level being greater than that currently set as acceptable background noise levels. This will be undertaken as and when the buildings are first populated.

If the noise assessment identifies significant risk and/or Environment Agency substantiated complaints are received, monitoring will be carried out in conjunction with the Environment Agency and a third party monitoring company.

Monitoring will be undertaken in line with current guidance to identify the root cause of the noise and whether noise from the site correlates with specific times within the flock cycle. If normal operations are deemed to be the root cause, and no further reasonable and financially viable mitigation can be implemented to reduce the noise pollution; then an agreed destocking system will be put in place to help reduce the levels of noise to an acceptable level assessed by the Environment Agency to a level below that deemed to cause pollution outside the permitted boundary and be kept at that level until such time as furthers measures can be put in place.

### **Community Engagement**

Contact will be made with the Parish Council to open up lines of communication with the Parish Council and the operator. Updates regarding the site will be provided to the Parish Council as and when required.

### **Review**

This NMP will be subject to review following any Environment Agency substantiated complaint or every four year whichever is sooner.

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