

H1 Environmental Risk Assessment v1

What do you do that can harm and what could be harmed			Managing the risk		Assessing the risk	
Hazard	Receptor	Pathway	Risk management	Probability of exposure	Consequence	What is the overall risk
What has the potential to cause harm	What is at risk? What do I wish to protect?	How can the hazard get to the receptor?	What measures will you take to reduce the risk? If it occurs – who is responsible for what?	How likely is this contact	What is the harm that can be caused?	What is the risk that still remains? The balance of probability and consequence

Table A1 Odour risk assessment

Ventilation	People in dwellings & commercial properties within 400m. Nearest is bungalow next to site for employees family. Next two dwellings at Norfolk Wildlife Park and visitors to the Park within 200m. Next at Windy Ridge & Walsis' Farm within 400m.	Odour from vents on the roof	<p>Measures are described in How to comply – Intensive Farming:-</p> <ul style="list-style-type: none"> • Installed high velocity fans with chimneys on roof to exhaust air faster, higher & better odour dispersal • Regularly clearing dust deposits from around vents to prevent build up • Installed computer controlled ventilation and heating systems and regularly adjusted to match age, weight and health requirements, and avoid excessive humidity, manure with low dry matter content, wet litter, ammonia and odour • Maintaining a preventive maintenance programme & record keeping for buildings and equipment with employees and professional contractors • Package generator if electricity supply is disrupted • Site Manager is responsible for investigating complaints, remedial & follow up action & record keeping, including any changes to the Odour Management Plan. 	<p>Rarely detectable.</p> <p>Planning application in 2014 included an Odour Dispersion Modelling Study that predicted odour from the poultry unit would be rarely detectable.</p>	Causing annoyance to residents and visitors.	Not significant, if carefully managed.
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Litter quality	People in dwellings & commercial properties within 400m. Nearest is bungalow next to site for employees family. Next two dwellings at Norfolk Wildlife Park and visitors to the Park within 200m. Next at Windy Ridge & Walsis' Farm within 400m.	Odour from vents on the roof	<p>Measures are described in How to comply – Intensive Farming:-</p> <ul style="list-style-type: none"> • Insulated walls & ceilings to prevent condensation • Concrete floors to prevent water ingress • Controls on feed and ventilation (see above) help to keep litter dry & friable • Monitoring litter daily/weekly and problems with dampness rectified or replacing litter from a stock kept on site • Maintaining a preventive maintenance programme & record keeping for buildings and equipment with employees and professional contractors • Using a Health Plan with professional veterinary input as required • Package generator if electricity supply is disrupted • Site Manager is responsible for investigating complaints, remedial & follow up action & record keeping, including any changes to the Odour Management Plan. 	<p>Rarely detectable.</p> <p>Planning application in 2014 included an Odour Dispersion Modelling Study that predicted odour from the poultry unit would be rarely detectable.</p>	Causing annoyance to residents and visitors.	Not significant, if carefully managed.

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Drinking systems	People in dwellings & commercial properties within 400m. Nearest is bungalow next to site for employees family. Next two dwellings at Norfolk Wildlife Park and visitors to the Park within 200m. Next at Windy Ridge & Walsis' Farm within 400m.	Odour from vents on the roof	Measures are described in How to comply – Intensive Farming:- <ul style="list-style-type: none"> • Installed nipple drinkers to minimise spillage • Checking daily to detect leaks and avoid capping • Maintaining a preventive maintenance programme & record keeping for buildings and equipment with employees and professional contractors. 	Rarely detectable. Planning application in 2014 included an Odour Dispersion Modelling Study that predicted odour from the poultry unit would be rarely detectable.	Causing annoyance to residents and visitors.	Not significant if carefully managed.
Poultry feed	People in dwellings & commercial properties within 400m. Nearest is bungalow next to site for employees family. Next two dwellings at Norfolk Wildlife Park and visitors to the Park within 200m. Next at Windy Ridge & Walsis' Farm within 400m.	Odour from vents on the roof	Measures are described in How to comply – Intensive Farming:- <ul style="list-style-type: none"> • Feed specifications prepared by nutrition specialist • Supplied from certified mills in assurance schemes so only approved raw materials being used • Feeding is precisely controlled, poultry meal is weighed into every house to provide every bird with sufficient energy, protein and nutrition for egg production and without wasting feed or exceeding their target body weight • No on-site milling or mixing. 	Rarely detectable. Planning application in 2014 included an Odour Dispersion Modelling Study that predicted odour from the poultry unit would be rarely detectable.	Causing annoyance to residents and visitors.	Not significant

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Feed delivery & storage	People in dwellings & commercial properties within 400m. Nearest is bungalow next to site for employees family. Next two dwellings at Norfolk Wildlife Park and visitors to the Park within 200m. Next at Windy Ridge & Walsis' Farm within 400m.	Odour from the feed bin pipe when blowing in feedstuffs	Measures are described in How to comply – Intensive Farming:- <ul style="list-style-type: none"> • Installed package silos, pipes and augers • Installed package cyclone dust collectors so dust is collected for use, reducing waste and lessening odour release too • Deliveries twice per week, typically take less than an hour • Deliveries are monitored to avoid dust and spills • Any spillage is immediately cleared up • Maintaining a preventive maintenance programme & record keeping for buildings and equipment with employees and professional contractors. 	Rarely detectable.	Causing annoyance to residents and visitors.	Not significant

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Stocking & destocking	People in dwellings & commercial properties within 400m. Nearest is bungalow next to site for employees family. Next two dwellings at Norfolk Wildlife Park and visitors to the Park within 200m. Next at Windy Ridge & Walsis' Farm within 400m.	Odour from chicken modules during handling	<ul style="list-style-type: none"> • Stocking and destocking every 13 weeks when a pair of poultry houses have completed a cycle, mostly at night time and only takes a few hours each time • Live bird handling modules nearly always covered to protect chickens, and also limits dust and odour. 	Rarely detectable	Causing annoyance to residents and visitors.	Not significant

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Litter removal	People in dwellings & commercial properties within 400m. Nearest is bungalow next to site for employees family. Next two dwellings at Norfolk Wildlife Park and visitors to the Park within 200m. Next at Windy Ridge & Walsis' Farm within 400m.	Odour from vents on the roof and open doors	<p>Measures are described in How to comply – Intensive Farming:-</p> <ul style="list-style-type: none"> • Generally considered to be most odorous activity • Removed every 13 weeks when a pair of poultry houses have been destocked and only takes a few hours to empty each house • Removed and houses cleaned out as soon as possible, maybe as soon as the house is destocked but normally no more than 3 days on Friday and cleaning out on Monday • Litter carefully loaded directly into trailers positioned outside the doors so no double handling • Full trailers covered before leaving • No used litter is stored on site • Site Manager is responsible for investigating complaints, remedial & follow up action & record keeping, including any changes to the Odour Management Plan. 	<p>Rarely detectable.</p> <p>Met Office Climate Report for Eastern England shows wind is from between south and north-west most of the time, blowing odour away from the dwellings and wildlife park.</p>	Causing annoyance to residents and visitors.	Not significant if managed carefully

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Washing houses	People in dwellings & commercial properties within 400m. Nearest is bungalow next to site for employees family. Next two dwellings at Norfolk Wildlife Park and visitors to the Park within 200m. Next at Windy Ridge & Walsis' Farm within 400m.	Odour from vents on the roof and open doors	<p>Measures are described in How to comply – Intensive Farming:-</p> <ul style="list-style-type: none"> • Cleaning out as soon as possible, maybe as soon as the house is destocked but normally no more than 3 days on Friday and cleaning out on Monday • Clearing dust deposits from around vents • Only using suitable and approved products • Dirty water collected in an underground tank designed to have sufficient storage capacity • Keeping drains clear of litter, etc to avoid backing-up, pooling, over spilling on any unmade areas • Maintaining a preventive maintenance programme & record keeping for buildings and equipment with employees and professional contractors. • Site Manager is responsible for investigating complaints, remedial & follow up action & record keeping, including any changes to the Odour Management Plan. 	<p>Rarely detectable.</p> <p>Washing out a few days every 13 weeks.</p> <p>Met Office Climate Report for Eastern England shows wind is from between south and north-west most of the time, blowing odour away from the households & wildlife park.</p>	Causing annoyance to residents and visitors.	Not significant

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Dirty water tank	People in dwellings & commercial properties within 400m. Nearest is bungalow next to site for employees family. Next two dwellings at Norfolk Wildlife Park and visitors to the Park within 200m. Next at Windy Ridge & Walsis' Farm within 400m.	Odour from the tank or from the tanker during removal	Measures are described in How to comply – Intensive Farming:- <ul style="list-style-type: none"> • Installed dirty water storage tank underground • Areas around the houses are concreted & kept clean during the production cycle • Regularly emptied by professional contractors to prevent stagnation 	Rarely detectable. Dirty water collections every 13 weeks and normally take less than an hour.	Causing annoyance to residents and visitors.	Not significant if managed carefully
Dead chickens	People in dwellings & commercial properties within 400m. Nearest is bungalow next to site for employees family. Next two dwellings at Norfolk Wildlife Park and visitors to the Park within 200m. Next at Windy Ridge & Walsis' Farm within 400m.	Odour from open containers especially in warmer weather	Measures are described in How to comply – Intensive Farming:- <ul style="list-style-type: none"> • Storing in plastic bags and secure containers • Containers must be kept covered at all times • Containers located away from sensitive receptors • Frequently removed by an approved transporter under the National Fallen Stock scheme • Frequency can be increased anytime. 	Rarely detectable.	Causing annoyance to residents and visitors.	Not significant if managed carefully

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Waste skip	People in dwellings & commercial properties within 400m. Nearest is bungalow next to site for employees family. Next two dwellings at Norfolk Wildlife Park and visitors to the Park within 200m. Next at Windy Ridge & Walsis' Farm within 400m.	Odour from open containers especially in warmer weather	Measures are described in How to comply – Intensive Farming:- <ul style="list-style-type: none"> • Carcasses must not be deposited in any waste skip and any putrescible material put in bags • Waste containers must be kept covered at all times • Containers located away from sensitive receptors • Frequently removed by a registered carrier • Frequency can be increased anytime. 	Rarely detectable.	Causing annoyance to residents and visitors.	Not significant if managed carefully

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Table A2 Noise risk assessment

Lorry noise	People in dwellings & commercial properties within 400m. Nearest is bungalow next to site for employees family. Next two dwellings at Norfolk Wildlife Park and visitors to the Park within 200m. Next at Windy Ridge & Walsis' Farm within 400m.	Lorries arriving and leaving and moving about the site, reverse warnings, etc especially outside the entrance and at night time	<p>Measures are described in How to comply – Intensive Farming:-</p> <ul style="list-style-type: none"> • Installed new concrete service road, minimising noise especially from empty vehicles. Located on the east side of the site farthest away from sensitive receptors, and with the poultry houses and farm buildings providing some acoustic barrier • Most vehicles arriving and leaving at reasonable times in the daytime • Drivers are made aware of driving slowly on and off the site and minimising noise • Engines must be switched off when not in use • Chicken collections at night time at the end of each cycle pose greatest risk, but normally limited to 2 consecutive nights every 13 weeks • Maintaining a preventive maintenance programme & record keeping for buildings and equipment including cracking or potholes in the site roadway. 	Fairly probable Planning application in 2014 included a Design & Access Statement including traffic flow. Predicted average of 7 vehicles per week with feed deliveries and egg collections being the most frequent twice per week.	Causing annoyance to residents and visitors.	Not significant if managed carefully
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Feed delivery	People in dwellings & commercial properties within 400m. Nearest is bungalow next to site for employees family. Next two dwellings at Norfolk Wildlife Park and visitors to the Park within 200m. Next at Windy Ridge & Walsis' Farm within 400m.	Noise from blowing feed into silos	Measures are described in How to comply – Intensive Farming:- <ul style="list-style-type: none"> • Silos located in between the poultry houses which are providing some acoustic barrier • Deliveries twice per week in the daytime, typically take less than an hour • Site Manager responsible for investigating any complaints, follow-up action and keeping records including changes to the Noise Management Plan. 	Fairly probable	Causing annoyance to residents and visitors.	Not significant if managed carefully
Employees, contractors and visitors	People in dwellings & commercial properties within 400m. Nearest is bungalow next to site for employees family. Next two dwellings at Norfolk Wildlife Park and visitors to the Park within 200m. Next at Windy Ridge & Walsis' Farm within 400m.	Noise from employees, contractors and visitors	Measures are described in How to comply – Intensive Farming:- <ul style="list-style-type: none"> • Normally working reasonable times 07.00-16.00 • Most vehicles arriving and leaving in the daytime • Mot deliveries unloaded inside the transfer building • Employees, contractors and visitors are made aware to carry out any work without shouting, playing radios, or making unnecessary noise 	Somewhat unlikely Chicken collections at night time at the end of each cycle pose greatest risk, but normally limited to 2 consecutive nights every 13 weeks.	Causing annoyance to residents and visitors.	Not significant if managed carefully

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Ventilation fans	People in dwellings & commercial properties within 400m. Nearest is bungalow next to site for employees family. Next two dwellings at Norfolk Wildlife Park and visitors to the Park within 200m. Next at Windy Ridge & Walsis' Farm within 400m.	Noise is normally tonal day & night but likely to be continuous during cleaning or noisy if out of balance.	Measures are described in How to comply – Intensive Farming:- <ul style="list-style-type: none"> • Installed efficient high-speed fans installed inside chimneys. Considered to be low noise relative to typical rural background noise • Maintaining a preventive maintenance programme & record keeping for buildings and equipment including fans, according to the manufacturer's instructions. Noisy, out of balance or worn fans are not efficient and will be replaced. 	Somewhat unlikely	Causing annoyance to residents and visitors.	Not significant
Alarm system and standby generator	People in dwellings & commercial properties within 400m. Nearest is bungalow next to site for employees family. Next two dwellings at Norfolk Wildlife Park and visitors to the Park within 200m. Next at Windy Ridge & Walsis' Farm within 400m.	Barely detectable off-site	Measures are described in How to comply – Intensive Farming:- <ul style="list-style-type: none"> • Installed package generator and used infrequently, low noise and surrounded by the farm buildings providing further acoustic barrier • Noise from alarms will not exceed levels required to alert persons working on the site • Weekly system test (required by law) will be carried out during the daytime of the normal working week. 	Somewhat unlikely	Causing annoyance to residents and visitors.	Not significant

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Chicken collection	People in dwellings & commercial properties within 400m. Nearest is bungalow next to site for employees family. Next two dwellings at Norfolk Wildlife Park and visitors to the Park within 200m. Next at Windy Ridge & Walsis' Farm within 400m.	Noise from chickens at night time	Measures are described in How to comply – Intensive Farming:- <ul style="list-style-type: none"> • Most vehicles arriving and leaving at reasonable times in the daytime • During destocking bird noise will be minimised by careful handling and prompt removal of the lorry from the site when full. 	Somewhat unlikely Considered to be a quiet operation. A noise study by Acorus (2015) on a larger broiler chicken site concluded that other than on the site itself noise output from bird removal at 290m from poultry houses was not significant, and within normal background ranges for rural areas.	Causing annoyance to residents and visitors.	Not significant

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Repairs	People in dwellings & commercial properties within 400m. Nearest is bungalow next to site for employees family. Next two dwellings at Norfolk Wildlife Park and visitors to the Park within 200m. Next at Windy Ridge & Walsis' Farm within 400m.	Noise from repair works	Measures are described in How to comply – Intensive Farming:- <ul style="list-style-type: none"> • If repairs to the site are required, the work will be undertaken with due regard for possible noise nuisance and during the normal working day • In event of major repair work being undertaken which is likely to cause significant noise and disruption, neighbouring residents will be notified in advance. 			

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Table A3 Dust risk assessment

Ventilation	People in dwellings & commercial properties within 400m. Nearest is bungalow next to site for employees family. Next two dwellings at Norfolk Wildlife Park and visitors to the Park within 200m. Next at Windy Ridge & Walsis' Farm within 400m.	Continuous emission of dust from feathers, skin particles, droppings, litter, etc via ventilation fans on to vegetation, cars and clothing.	Measures are described in How to comply – Intensive Farming:- <ul style="list-style-type: none"> • Installed high velocity fans on the roof in chimneys exhausting air faster and higher for better dispersal • Computer controlled ventilation & heating systems regularly adjusted to match age, weight and health requirements • Regularly clearing dust deposits from around vents to prevent build up. 	Probable Met Office Climate Report for Eastern England shows wind is from between south and north-west most of the time, blowing dust away from the households & wildlife park.	Causing annoyance to residents and visitors.	Not significant if managed carefully
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Feed delivery	People in dwellings & commercial properties within 400m. Nearest is bungalow next to site for employees family. Next two dwellings at Norfolk Wildlife Park and visitors to the Park within 200m. Next at Windy Ridge & Walsis' Farm within 400m.	Dust from blowing in poultry meal via silo pipes on to vegetation, cars and clothing.	Measures are described in How to comply – Intensive Farming:- <ul style="list-style-type: none"> • Installed package feed silos, pipes and augers • Installed package cyclone dust collectors so any feed dust is collected for use, reducing waste • Silos, dust collectors and pipes located to avoid collision damage • Deliveries monitored to avoid dust and spills • Any spillage is immediately cleared up • Maintaining regular inspection & maintenance programme & records for buildings & equipment, including silos and collectors. 	Somewhat unlikely	Causing annoyance to residents and visitors.	Not significant

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New litter	People in dwellings & commercial properties within 400m. Nearest is bungalow next to site for employees family. Next two dwellings at Norfolk Wildlife Park and visitors to the Park within 200m. Next at Windy Ridge & Walsis' Farm within 400m.	Emission of dust via ventilation fans on to vegetation, cars and clothing.	Measures are described in How to comply – Intensive Farming:- <ul style="list-style-type: none"> • Chopped straw for bedding normally delivered in plastic wrapped bales rather than bulk • Applied internally rather than blowing in bulk which would be much dustier • New litter used for each batch, never reuse litter. 	Somewhat unlikely	Causing annoyance to residents and visitors.	Not significant

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Litter removal	People in dwellings & commercial properties within 400m. Nearest is bungalow next to site for employees family. Next two dwellings at Norfolk Wildlife Park and visitors to the Park within 200m. Next at Windy Ridge & Walsis' Farm within 400m.	Emission of dust via ventilation fans and open doors on to vegetation, cars and clothing.	Measures are described in How to comply – Intensive Farming:- <ul style="list-style-type: none"> • Generally considered to be dustiest activity • Normally limited to 2 consecutive days every 13 weeks when a pair of poultry houses have been destocked at the end of a cycle • Litter carefully loaded directly into trailers positioned close to the entrance to each house • Litter tipped into trailers from minimal height • Trailers covered when full before leaving • No litter stored on site • No double handling. 	Somewhat unlikely Met office climate report for Eastern England notes wind is from between south and north-west most of the time, blowing dust away from nearest households.	Causing annoyance to residents and visitors.	Not significant if managed carefully

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Table A4 Fugitive emissions risk assessment

Ammonia	2 Special Areas of Conservation (SAC) within 10km of the installation, 5 areas of Special Scientific Interest (SSSI) within 5km and 1 Ancient Woodland within 2km.	Continuous efflux from high speed ventilation fans and open doors	<p>Measures are described in How to comply – Intensive Farming:-</p> <ul style="list-style-type: none"> • Controls on feed and ventilation (see above) help keep dropping and litter dry & friable • Computer controlled ventilation system and high velocity roof fans with chimneys exhaust ammonia higher for better dispersion • Feed is precisely controlled, formulated and weighed at every stage of production to ensure each bird has available sufficient energy and nutrition to maximise egg production, avoiding feed being wasted, excess excretion, ammonia or the chickens exceeding their target body weight. 	Impact of ammonia on conservation sites has been assessed. EA Pre-application Report concluded detailed modelling was required. The modelling report on the dispersion and deposition of ammonia predicted exceeding lower threshold percentage (4%) of the Critical level at the River Wensum SAC to the south.	Aerial deposition and direct toxic effects on trees. Nutrient enrichment of soils and changes to sensitive ecosystems	Significant
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Flies and pests	People in dwellings & commercial properties within 400m. Nearest is bungalow next to site for employees family. Next two dwellings at Norfolk Wildlife Park and visitors within 200m. Next at Windy Ridge & Walsis' Farm within 400m.	Access to uncovered dead chickens & waste especially in warmer weather	Measures are described in How to comply – Intensive Farming:- <ul style="list-style-type: none"> • Stored in plastic bags and secure containers • Containers must be kept covered at all times • Containers located away from sensitive receptors • Frequently removed by an approved transporter under the National Fallen Stock scheme. 	Somewhat unlikely	Causing annoyance or spreading illness and diseases	Not significant

H1 Environmental Risk Assessment v1

What do you do that can harm and what could be harmed			Managing the risk		Assessing the risk	
Hazard	Receptor	Pathway	Risk management	Probability of exposure	Consequence	What is the overall risk
What has the potential to cause harm	What is at risk? What do I wish to protect?	How can the hazard get to the receptor?	What measures will you take to reduce the risk? If it occurs – who is responsible for what?	How likely is this contact	What is the harm that can be caused?	What is the risk that still remains? The balance of probability and consequence
Bacteria and viruses	People, chickens, wildlife	Aerial transmission, cross-contamination by people, flies and pests	Measures are described in How to comply – Intensive Farming:- <ul style="list-style-type: none"> • Using a Health Plan with professional veterinary input as required • Maintaining bio-security precautions to prevent spread of disease • Installed a close board wooden perimeter fence • Installed gates and locked day and night to limit pedestrian and vehicular access at all times • Installed a transfer building for disinfecting vehicles • Signs warning people against unauthorised entry to the installation or buildings • Disinfectants for cleaning houses & boot dips • Clean protective clothing for staff & visitors • Frequent stock inspection. 	Zoonoses diseases or notifiable diseases rarely occur in the UK	Causing illness	Not significant

H1 Environmental Risk Assessment v1

What do you do that can harm and what could be harmed			Managing the risk		Assessing the risk	
Hazard	Receptor	Pathway	Risk management	Probability of exposure	Consequence	What is the overall risk
What has the potential to cause harm	What is at risk? What do I wish to protect?	How can the hazard get to the receptor?	What measures will you take to reduce the risk? If it occurs – who is responsible for what?	How likely is this contact	What is the harm that can be caused?	What is the risk that still remains? The balance of probability and consequence

Table A5 Accident risk assessment

Blocked drains	Surface water	Dirty water overflowing into ditch via surface water drains	Measures are described in How to comply – Intensive Farming:- <ul style="list-style-type: none"> • Cleaners trained in changing diverters in the drains to keep dirty water separate into the storage tank • Keeping yards and drainage channels clear and clean up spilt feed, dust & litter as soon as possible • Maintain the regular inspection & maintenance programme & records for buildings & equipment, including effluent channels and dirty water tank. 	Fairly probable	Possibility of off-site pollution in the ditch	Not significant, if carefully managed.
Dirty water tank	Surface water	Dirty water backing up overflowing into ditch via surface water drains	Measures are described in How to comply – Intensive Farming:- <ul style="list-style-type: none"> • Checking regularly and emptied when necessary so it does not back-up or overflow. 	Fairly probable	Possibility of off-site pollution in the ditch	Not significant, if carefully managed.

H1 Environmental Risk Assessment v1

What do you do that can harm and what could be harmed			Managing the risk	Assessing the risk		
Hazard	Receptor	Pathway	Risk management	Probability of exposure	Consequence	What is the overall risk
What has the potential to cause harm	What is at risk? What do I wish to protect?	How can the hazard get to the receptor?	What measures will you take to reduce the risk? If it occurs – who is responsible for what?	How likely is this contact	What is the harm that can be caused?	What is the risk that still remains? The balance of probability and consequence
Disinfectant	Surface & groundwater most at risk, there is a major aquifer beneath the site	Spillage or leaking into ditch or ground water via drains or cracks in hard standing or on unmade ground	Measures are described in How to comply – Intensive Farming:- <ul style="list-style-type: none"> • Use suitable and approved disinfectants • Disinfectants, pesticides or veterinary medicines stores are resistant to fire, dry, frost-free, secure against unauthorised use and capable of retaining any spillage • Use package footbaths to avoid overflowing • Spent disinfectant from footbaths & wheel washes emptied or drained into the dirty water storage tank • Maintain the regular inspection & maintenance programme & records for buildings & equipment, including condition of storage and hard standings • Implement the accident management plan if disinfectant poses risk of entering into surface or groundwater including using spill kit equipment. 	Fairly probable	Site located within a Groundwater Source Protection Zone 3, the aquifer is classed as having low vulnerability.	Not significant if carefully managed

H1 Environmental Risk Assessment v1

What do you do that can harm and what could be harmed			Managing the risk	Assessing the risk		
Hazard	Receptor	Pathway	Risk management	Probability of exposure	Consequence	What is the overall risk
What has the potential to cause harm	What is at risk? What do I wish to protect?	How can the hazard get to the receptor?	What measures will you take to reduce the risk? If it occurs – who is responsible for what?	How likely is this contact	What is the harm that can be caused?	What is the risk that still remains? The balance of probability and consequence
Diesel	Surface & groundwater most at risk, there is a major aquifer beneath the site	Spillage or leaking into ditch or ground water via drains or cracks in hard standing	Measures are described in How to comply – Intensive Farming:- <ul style="list-style-type: none"> • Diesel stored in standby generators integral day tank and in an adjacent package oil store located on concrete hard standing • Fuel level checked regularly for use/ signs of leaks • Maintain the regular inspection & maintenance programme & records for buildings & equipment, including condition of storage and hard standings • Implement the accident management plan if fuel oil poses a risk of entering into surface or groundwater including using oil spill equipment. 	Somewhat unlikely	Site located within a Groundwater Source Protection Zone 3, the aquifer is classed as having low vulnerability.	Not significant if carefully managed
Domestic sewage	Surface water	Inadequate treatment of domestic sewage	<ul style="list-style-type: none"> • Installed a package secondary sewage treatment plant for domestic sewage from staff amenities • Maintain the regular inspection & maintenance programme & records by professional contractors in accordance with manufacturer's instructions including desludging. 	Somewhat unlikely	Possibility of odour and pollution in off-site ditch	Not significant, if carefully managed.
Vandalism	Surface & groundwater	Spillage or	Measures are described in How to comply – Intensive	Somewhat unlikely	Site located	Not

H1 Environmental Risk Assessment v1

What do you do that can harm and what could be harmed			Managing the risk		Assessing the risk	
Hazard	Receptor	Pathway	Risk management	Probability of exposure	Consequence	What is the overall risk
What has the potential to cause harm	What is at risk? What do I wish to protect?	How can the hazard get to the receptor?	What measures will you take to reduce the risk? If it occurs – who is responsible for what?	How likely is this contact	What is the harm that can be caused?	What is the risk that still remains? The balance of probability and consequence
	most at risk, there is a major aquifer beneath the site	leaking into ditch or ground water via drains or cracks in hard standing	Farming:- <ul style="list-style-type: none"> • Close board wooden perimeter fence • Gates locked day and night to limit pedestrian and vehicular access at all times • Sheds are securely locked at night • Oil and LPG tanks secure and locked. 		within a Groundwater Source Protection Zone 3, the aquifer is classed as having low vulnerability.	significant

Probability of exposure: Probable - incident occurs at least once per year, fairly probable - incident occurs between once per 10 years and once every year, somewhat unlikely - incident occurs once per hundred years and once every 10 years. Environment Agency; (2001).

Reference: Acorus Rural Property Services Ltd (2015): Noise Study of Existing Poultry Unit During Bird Removal.