The Poultry Site Accident Management Plan

Site Location Details	The Poultry Site, Hagnaby Lane, Keal Cotes, Nr Spilsby, Lincolnshire, PE23 4AL
Farm Owner (David Wright)	07765 245915
HSE Manager (David Wright)	07765 245915
What3Words	barefoot.captures.revamping

Emergency Contact Details

Emergency / Failure	Action	Response Time
Power	Contact Farm Owner	Immediately
Ventilation	**Open all exits** Contact Farm Owner	Immediately
Water Failure	Contact Farm Owner	Immediately
Feed Supply	Contact Huttoft Mill	Immediately
High Temperature	Contact Farm Owner	Immediately
Fire	Use Extinguisher in Control Room if required/ Call 999 / report to Company	Immediately
Accident	Contact First Aider	Immediately
Intruder	Contact Farm Owner	Immediately

Problem	Company	Contact
Power	N Power Business	08007 33000
Electrical	Flinders	01522 704244
Generator	Hallgate	01754 762857
Ventilation	C F Whaler	07712 772544
Water	Anglian Water	0800 771881
Plumber	ABS	07768 918661
Feed Mill	Huttoft Mill	01507 490297
Vet	Crowshall	01953 455454

Emergency Service Police/Fire/Ambulance	999
Skegness Police	01522 532222
Alford Doctors	01507 463262
Louth Hospital	01507 600100
Skegness Urgent Care Centre	01754 762401
Louth Hospital	01507 600100
Environmental Agency	0800 807060

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Accident Management Plan

This accident management plan contains the following information

- Accident management site plan
- Inventory of buildings, stores and tanks
- Inventory of raw materials
- Emergency procedures
    1. immediate actions
    2. secondary actions – depending on type of accident

Accident Management Plan

The accident management plan includes information of relevance for dealing with accidents that may pose a risk of environmental pollution and pinpoints the location of key equipment.

This includes;

- Site drainage details (Plan)
- Mains water stop tap in control room
- Main electric supply isolator in control room
- Drain inlets vulnerable to contamination
- Diverter valve
- Location of fire extinguishers
- Storage areas
- Spill kits and emergency materials
- Vulnerable locations (feed bins see plan)
- Potentially sensitive areas of porous ground (all areas to the rear and sides of the houses)

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Inventory of Buildings and Stores

Building/Facility	Quantity	Size	Storage capacity
Poultry Houses	2	2 x 2,750m^2 (not including central egg packing room)	64,000 laying hens
Fire Extinguishers	2	Control Room	6L P50 foam
Generator Fuel Tank (Internal)	1	200 litres	Minimal stored for security purposes
Water Storage Tank	1	30,000 litres	30,000 litres
Dirty Water Tank	2		20,000 litres/ tank
Feed Bins	4	27 tonnes/ silo	Maximum at any one time – 108 tonnes
No chemical store on site – all stored at Poplar Farm			

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The four categories are as follows:
• Severe: Possible irreparable damage to environmental resources;
• Moderate: Possible damage to environmental resources which are limited within a regional context;
• Mild: Possible effects might be transient damage to environmental resources which are commonplace on a regional basis and alternative sources are readily available;
• Negligible: The effects are negligible or might cause very slight temporary deterioration in the current environmental resource quality.

Table 1 Risk Estimation Matrix

Probability of Potential Risk	Magnitude of Potential Impact			
	Severe	Moderate	Mild	Negligible
High	High	High	Medium/Low	Near Zero
Medium	High	Medium	Low	Near Zero
Low	Medium	Medium	Low	Near Zero
Negligible	Medium	Medium/Low	Low	Near Zero

The qualitative risk assessment for the Accident Management Plan has been based on the matrix outlined above.

The final stage of the risk assessment is the judgement of the severity of the residual risk following implementation of the mitigation measures.

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Table 2 Accident Management Plan					
Accident Scenario	Probability of Accident Occurring	Magnitude of Potential Impact	Risk Rating Before Mitigation	Risk Management	Residual Risk Rating (following Mitigation)
1. Spills and Leaks/Loss of containment	Moderate	Loss of containment could result in potentially polluting materials being discharged in surface water drainage systems and to controlled waters. There is also the potential of pollution to unmade ground.	Low	• Any waste or manure storage and transfer is carried out on good quality concrete hardstanding. • Spills or leaks would be cleaned up immediately and clean water pathways protected (by either blocking inlets, or employing the diverter valve) • The drainage system is regularly inspected and maintained. • There are no tanks containing hazardous substances stored on site. • Minor spills will be cleaned up immediately, using sand or proprietary absorbent. Resultant materials to be placed in container for off-site disposal to appropriate facility, if necessary. • Immediate action will be taken in event of major spill which is likely to cause polluting emissions to the environment or any adjacent unsurfaced ground. Spillage to be	Low

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				cleared immediately and placed in containers for offsite disposal. EA to be informed.	
2. Vandalism	Low	Moderate The site could be subject to intentional vandalism and damage by intruders/ trespassers who could cause damage or harm to the plant and equipment's, spills and leaks to tanks or cause fires	Low	• The site is well lit and secured in out of work hours by keypad entry barrier. • The sites are normally located in areas of low population. They are normally accessed through side tracks and as such, are not in public areas. • Doors will be locked whenever the site is closed. • Doors/gates and fencing are inspected daily by site operatives to identify deterioration, damage and the need for repair. • Doors, fencing and gates are maintained and repaired to ensure their continued integrity. If damage is sustained, repair will be made within the same working day. If this is not possible, suitable measures will be taken to prevent unauthorised access to the site and permanent repairs will be affected as soon as is practicable. • All visitors to the site are required to register in the bio-security log book and sign out again on exit, thereby minimising	Low

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				the risk of unauthorised visitors on the site.	
3. Flooding	Medium The site is not directly in a high concern or flood zone area. However Lincolnshire in general has high water tables.	Severe Flooding can have serious effects on the business as the livestock within the shed can be seriously affected by high water levels, leading to fatality of the livestock. Flooding can cause the uncontrolled spread of manure and in severe flooding this can pose a risk to unmade ground.	Medium	• In cases of extreme rainfall, the site containment systems will normally contain all water falling on site. The Environment Agency flood hazard map depicts the northern half of the proposed site within Flood Zone 1. The southern half of the site is in Flood Zones 2 and 3. Nevertheless, the application site has not been subject to localised flooding or drainage problems attributed to surface water discharge. • The site includes a comprehensive surface water drainage scheme designed to avoid adverse impacts upon surface water flow. This will be achieved through the discharge of roof and surface water into a substantial drainage attenuation PVC crate soakaway with restricted flow into an adjoining ditch. • The landscaping and site design deliver some protection to the buildings and associated tanks from the risk of flooding • Rainfall and flooding risk will be monitored on an ongoing basis and, in the event of flooding being likely, additional measures would be employed to either a) protect the site and/or tanks from flood water incursion	Low

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				or b) remove birds and risk of contamination. • The main egg laying process is completely sealed within purpose built chicken sheds and therefore takes place on made ground as previously agreed by the EA. • The buildings are kept in good working condition and all required repairs are carried out expediently. • The floor levels are set above the estimated flood level from a breach or overtopping on a 1 in 200 year plus climate change event. defences. However, as sea levels rise in the future, the risk of flooding increases but this can be managed with appropriate mitigation. • The site is not shown at risk of flooding from surface water. Ground levels are graded to the southern boundary, with no artificial hollows created, minimising the risk of internal flooding. • There are shut off valves on the clean water drains to enable capture of wash water in to tanks. These would be employed in the unlikely event that flood/rainwater was at risk of contamination.	

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				• Stepped access to popholes etc, providing some protection against inflow of flood waters/surface flow to the building • Bunded integrated fuel tank in generator and bunded Biotech unit. Generator fuel tank is not kept full, for security purposes, holding only enough fuel to kick in when required in an emergency. • Raised and sealed feed bins, securely fixed • Registration to Flood Alerts and access to sandbags in the unlikely event that flooding of the site is possible • Based on the Flood Risk and Drainage Assessment Report, the site design and the accident management plan, the risk of contamination of local watercourses in the event of a flood appears to be negligible. This risk will be routinely reevaluated as part of ongoing reviews of Climate Change risk and adaptation.	
4. Fire on site Plant malfunction with the risk of products that may support combustion.	Medium	Severe	Medium	• All plant is subject to a planned preventative maintenance schedule. • The site is managed in strict accordance with the sites Fire Prevention Plan that details the relevant fire protection measures that are carried out on site. There	

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				are no flammable process consumables stored on site. • In the event of a fire, the following actions will be taken: – The fire brigade will be notified immediately and the EA as soon as practicable. – The site will be immediately evacuated. • Records of fire incidences will be kept on site together with a summary of remedial action taken. • The EA will be advised of all incidents of fire as soon as is practicable. • Smoking will not be permitted in sheds or immediately within their area.	
5. Operator error/equipment failure The unexpected breakdown of any part of the plant could result in short term build up of waste in the reception areas or	Medium	Low	Low	• The design of the plant includes sufficient storage capacity for over a week's production and waste storage. • Colleague are trained for all equipment and processes they carry out. This training is documented. • All equipment is subject to a Planned and Preventative Maintenance Programme (PPM), to minimise unplanned failures. • If company tractors or equipment is not	Low

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the incomplete treatment of waste. The result of operator error could result in the plant not functioning efficiently or a risk of fugitive emissions to air through uncontrolled decomposition of biological waste.				available to rectify any potential breakdowns or build up of waste, then appropriate third parties can support.	
6. Animal Protestors	Medium	Moderate/Severe	Medium	• The site/company would liaise with local police contacts regarding the potential of protestors coming to the Company's sites. • Advice from police regarding potential protest groups coming to the area would be brought to the attention of the company leadership and a plan af action developed. • For larger high risk sites, additional security measures may be put into place. • The potential locking down and external restriction of chickens would be considered for high-risk events. • Chickens and egg processes are not high on the animal protestor concerns and this does less the potential risk of their arrival at	Low

				a company site.	

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Inventory of Raw Materials

Delivery notes to be attached to this document and marked off as used

Recording of Incidents

All incidents that have or may cause environmental pollution are to be recorded immediately following the incident. If pollution occurs then the Environment Agency are to be contacted at the earliest opportunity. This may need to be done through the Environment Agency Emergency Pollution line – **0800 807060.** The company senior management team are to be advised prior to any external contacts being made.

Emergency Procedures

Important; Livestock welfare and prevention of environmental pollution must be given priority during any emergency event but with full regard to the health and safety of all persons.

Immediate Actions;

- Raise the Alarm
- If necessary contact the emergency services
- Contact Dan Fairburn (Director)
- Contact HSE Manager
- Extinguish all naked flames – if safe to do so.
- In all cases wear and use appropriate Personal Protective Equipment.
- Do not enter tanks/bins or confined spaces unless trained in the correct procedures and not before all procedures have been satisfied.

Secondary Actions;

Follow appropriate procedures for type of accident as described in table 2.

SUMMARY AND CONCLUSION

This document has been prepared to meet the requirements pertaining to Accident Management Plans within the Environment Agency guidance document EPR1.00 ‘How to Comply with your Permit’.

It is concluded that despite the Installation having the potential for a low-moderate environmental impact to the environment, the mitigation measures incorporated into the design of the plant and the site infrastructure are sufficient to mitigate the risks

The company operates and continues to operate using an established Environmental Management System. The EMS details the required actions to be taken in the event of an emergency and should be used in the first instance for any accident and emergency at site.