

Environmental risk assessment for bespoke permit for installation at Bakkavor Spalding

Standard facility:	Bakkavor Foods Limited - Bakkavor Spalding
Location:	West Marsh Rd, Spalding PE11 2BB
Location of environmentally sensitive sites (km / m):	See below
Date:	01-Jun-21

Receptor		Data and information			Judgement			Risk management	Residual risk
What is at risk?	What do I wish to protect?	What is the agent or process with potential to cause harm?	What are the harmful consequences if things go wrong?	How might the receptor come into contact with the source?	Probability of exposure How likely is this contact?	Consequence How severe will the consequences be if this occurs?	Magnitude of risk What is the overall magnitude of the risk?	How can I best manage the risk to reduce the magnitude?	What is the magnitude of the risk after management? (This residual risk will be controlled by Compliance Assessment)
Local population		Statutory nuisance (noise)	Impact on local population property	Travel through air	Low	Low	Low	<ul style="list-style-type: none"> Plant and equipment on site are regularly maintained and serviced by the Engineering Department and external experts when required Planned preventative maintenance (PPM) schedule is in place and managed by the Engineering Department Vehicles are switched off when practical Baling takes place inside a structure to reduce noise Boundary noise monitoring is carried out every 2 years. The site covers 60 acres and all buildings are spread-out across the footprint of the site. Boundary buildings are located in such a manner that vehicle movements & traffic are located in the central site area's. Boundary to domestic housing on the west side of the plant has limited to no vehicle movements after 5pm as site building closest is office based. Boundary to domestic housing on the west side of the plant has wooden fencing in place to approx. 2m which mitigates any low level noise towards that area's Boundary to the domestic housing in the south west has the location of woodland trees in place which allow dampening of noise from the central & western areas of the site. External doorways which could allow noise to travel from Factory area's towards boundary's are in the closed position throughout production times. Plant Equipment is located internally in the factories or in their own dedicated Plant houses to reduce Noise emissions. These include :- Steam Boilers, Ammonia, Refrigeration, Pump Houses & Electrical Sub Stations Contractor activities are managed through the daytime hours with only Emergency situations involving contractors occurring through the night. This includes, but not limited to - building works, roadworks, heavy engineering maintenance. Site have planning conditions relating to noise that they must adhere to. Site have not had any noise complaints in the last 5 years 	Low
Local businesses		Statutory nuisance (noise)	Impact on local businesses	Travel through air	Low	Low	Low	<ul style="list-style-type: none"> Plant and equipment on site are regularly maintained and serviced by the Engineering Department and external experts when required Planned preventative maintenance (PPM) schedule is in place and managed by the Engineering Department Vehicles are switched off when practical Baling takes place inside a structure to reduce noise Boundary noise monitoring is carried out every 2 years. The site covers 60 acres and all buildings are spread-out across the footprint of the site. Boundary buildings are located in such a manner that vehicle movements & traffic are located in the central site area's. Boundary to domestic housing on the west side of the plant has limited to no vehicle movements after 5pm as site building closest is office based. Boundary to domestic housing on the west side of the plant has wooden fencing in place to approx. 2m which mitigates any low level noise towards that area's Boundary to the domestic housing in the south west has the location of woodland trees in place which allow dampening of noise from the central & western areas of the site. External doorways which could allow noise to travel from Factory area's towards boundary's are in the closed position throughout production times. Plant Equipment is located internally in the factories or in their own dedicated Plant houses to reduce Noise emissions. These include :- Steam Boilers, Ammonia, Refrigeration, Pump Houses & Electrical Sub Stations Contractor activities are managed through the daytime hours with only Emergency situations involving contractors occurring through the night. This includes, but not limited to - building works, roadworks, heavy engineering maintenance. Site have planning conditions relating to noise that they must adhere to. Site have not had any noise complaints in the last 5 years 	Low
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Local population		Statutory nuisance (vibration)	Impact on local population and property	Travel through air	Low	Low	Low	<ul style="list-style-type: none"> Plant and equipment on site are regularly maintained and serviced by the Engineering Department and external experts when required Planned preventative maintenance (PPM) schedule is in place and managed by the Engineering Department Vehicles are switched off when practical Baling takes place inside a structure to reduce noise Boundary noise monitoring is carried out every 2 years. The site covers 60 acres and all buildings are spread-out across the footprint of the site. Boundary buildings are located in such a manner that vehicle movements & traffic are located in the central site area's. Boundary to domestic housing on the west side of the plant has limited to no vehicle movements after 5pm as site building closest is office based. Boundary to domestic housing on the west side of the plant has wooden fencing in place to approx. 2m which mitigates any low level noise towards that area's Boundary to the domestic housing in the south west has the location of woodland trees in place which allow dampening of noise from the central & western areas of the site. External doorways which could allow noise to travel from Factory area's towards boundary's are in the closed position throughout production times. Plant Equipment is located internally in the factories or in their own dedicated Plant houses to reduce Noise emissions. These include :- Steam Boilers, Ammonia, Refrigeration, Pump Houses & Electrical Sub Stations Contractor activities are managed through the daytime hours with only Emergency situations involving contractors occurring through the night. This includes, but not limited to - building works, roadworks, heavy engineering maintenance. Site have planning conditions relating to noise that they must adhere to. Site have not had any noise complaints in the last 5 years 	Low
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Local population		Statutory nuisance (odour)	Impact on local population	Travel through air	Low	Low	Low	<ul style="list-style-type: none"> Odour Management Plan There have had no complaints in last 5 years 	Low
Local businesses		Statutory nuisance (odour)	Impact on local business	Travel through air	Low	Low	Low	<ul style="list-style-type: none"> Odour Management Plan There have had no complaints in last 5 years 	Low
Local population		Statutory nuisance (pests)	Impact on local population	Airborne and land	Low	Low	Low	<ul style="list-style-type: none"> Regular site inspections and litter picking Vermis traps (rats etc) which are inspected by a 3rd party contractor Food hygiene standards to be adhered to All food waste (CAT 3) bins and skips stored outside are covered and in enclosed containers or trailers Food waste (CAT 3) and effluent sludge are collected daily (CAT 3) and 4-5 times a week (effluent sludge) Cleaning of waste compound daily across all shifts Cleaning of waste bins and trailers Waste bins are not allowed to overflow Increased waste collections in hot weather 	Low
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