

Hazard	Receptor	Pathway	Risk Management	Probability of exposure	Consequence	What is the overall risk?
<i>What has the potential to cause harm?</i>	<i>What is at risk? What do I wish to protect?</i>	<i>How can the hazard get to the receptor?</i>	<i>What measures will you take to reduce the risk? If it occurs - who is responsible for what?</i>	<i>How likely is this contact?</i>	<i>What is the harm that can be caused?</i>	<i>What is the risk that still remains? The balance of probability and consequence.</i>
To Air						
Dust from Emission point A43 - Wet Mill scale suction	Local residents or college beyond the boundary of the activity.	Wind blown dust resulting from failure of attached filter	Preventative maintenance including filter bag changes and periodical inspections. Visual dust monitoring in accordance with daily operational checks. In the event of failure of this system internal Environmental Management System would be followed to mitigate and control any loss of dust. This would include the immediate shut down of associated systems, preventing further release.	Appropriate management of actions should properly mitigate this risk. In the event of an unexpected failure dusts could only reach the receptor given strong winds in that direction. According to the projected emission rates (Environmental Permit Variation Request Section 5 Table 2) are negligible (2.99 g/h)	Nuisance - dust on cars, clothing etc.	Not significant
Dust from Emission point A44 - Bran loading chute	Local residents or college beyond the boundary of the activity.	Wind blown dust resulting from failure of attached filter	System includes integrated reverse jet cartridge filter. Preventative maintenance including but not limited to cartridge changes and periodical inspections. In the event of failure of this system internal Environmental Management System would be followed to mitigate and control any loss of dust. This would include the immediate shut down of associated systems, preventing further release.	Appropriate management of actions and maintenance should properly mitigate this risk. In the event of an unexpected failure dusts could only reach the receptor given strong winds in that direction. According to the projected emission rates (Environmental Permit Variation Request Section 5 Table 2) are negligible.	Nuisance - dust on cars, clothing etc.	Not significant
Dust from Emission point A45 - Bagging plant local exhaust ventilation	Local residents or college beyond the boundary of the activity.	Wind blown dust resulting from failure of attached filter	Preventative maintenance including filter bag changes and periodical inspections. Visual dust monitoring in accordance with daily operational checks. In the event of failure of this system internal Environmental Management System would be followed to mitigate and control any loss of dust. This would include the immediate shut down of associated systems, preventing further release.	Appropriate management of actions and maintenance should properly mitigate this risk. In the event of an unexpected failure dusts could only reach the receptor given strong winds in that direction. According to the projected emission rates (Environmental Permit Variation Request Section 5 Table 2) are negligible (2.99 g/h)	Nuisance - dust on cars, clothing etc.	Not significant
Gas or vapour leakage due to pipework or associated device failure	Local residents or college beyond the boundary of the activity.	Wind blown gasses or vapours from pipework or associated device failure	Preventative maintenance including periodical inspections. In the event of failure of this system internal Environmental Management System would be followed to mitigate and control any loss of gas or vapour. This may include the immediate shut down of associated systems, preventing further release.	Appropriate management of actions and maintenance should properly mitigate this risk. In the event of an unexpected failure dusts could only reach the receptor given strong winds in that direction.	Insignificant/Negligible - in the unlikely event effects would only be expected in immediate radius of leak.	Not significant
To Water						
Spillage or leak of lubricants/oils/chemicals	River Ouse.	Closed drainage system	All onsite water run off from operational and storage areas will be captured by the closed drainage system. Preventative maintenance of equipment/seals/storage vessels. Spill kits in place throughout site to prevent excessive loss of material in case of spillages. On site waste water treatment plant fed through closed drainage system with dedicated storage for any surface/process waters containing spilt products, these are tested and quantified before processing or removal. Separate oil interceptor in place prior to discharge to river, checked periodically.	Implemented management systems and spill response procedures minimise the potential of this type of occurrence. Segregated and dedicated chemical storage facility.	Pollution of River Ouse	Low, due to spillage response procedures in place.
Pests						
Vermin/insects could be attracted to storage of foodstuffs	Local residents or college beyond the boundary of the activity.	Airborne transportation	Full site is covered by pest control measures, foodstuffs are stored in sealed containers/vessels, housekeeping of all areas that could attract pests to be maintained to high levels.	Implemented management systems, pest control measures and continuous monitoring minimise the potential of this type of occurrence.	Potential for the presence of pests to spread disease and cause adverse health impacts on receptors.	Low, due to pest control measures and general management of housekeeping.
Mud/Litter						
Litter from packaging materials either from deliveries or activities on site	Local residents or college beyond the boundary of the activity.	Airborne transportation	Internal management of housekeeping of all areas that could produce litter to be maintained to high levels.	Implemented management systems and continuous monitoring minimise the potential of this type of occurrence. Full facility is enclosed by fencing which will reduce the potential for litter to move from site.	Likelihood of complaints due to nuisance material leaving the boundary of the activity.	Low, due to pest control measures and general management of housekeeping.
Mud/dirt leaving site caused by vehicle movements	Local residents or college beyond the boundary of the activity.	Transfer from vehicle movements	Internal management of housekeeping of all areas and roadways that could cause build up of mud/dirt and hence transfer off site to be maintained to high levels.	Implemented management systems and continuous monitoring minimise the potential of this type of occurrence. Site road ways are cleaned periodically to reduce build up of mud/dirt	Likelihood of complaints due to nuisance material leaving the boundary of the activity.	Low, due to implemented housekeeping routine and management of roadways/vehicle movements.