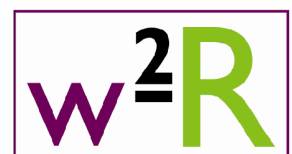


Appendix 9.1

Risk Rating Tables



GENERIC HAZARDS / GENERIC RECEPTORS	Litter			Flies			Mud on Roads	Dust					Odour		
	Windblown wastes	Waste deposit	Waste vehicles	Accumulations of litter	Putrescible/food wastes	Storage of wastes	Habitats for breeding	Construction Activities	Dusty wastes	Granular hazardous wastes	Operational vehicles	Construction Vehicles	Construction activities	Ashes	Malodorous wastes and bottom ashes
DOMESTIC DWELLING	X		X	X	X	X	X					X	X		X
SCHOOLS AND COLLEGES															
HOSPITALS															
OFFICES/ COMMERCIAL PREMISES	X		X	X	X	X	X					X	X	X	X
INDUSTRIAL PREMISES	X		X	X	X	X	X					X	X	X	X
PUBLIC FOOTPATH OR BRIDLEWAY	X		X	X								X	X		X
HIGHWAYS OR ROADS	X		X	X				X				X			X
PARKS AND PUBLIC OPEN SPACES															
FARMLAND WITH LIVESTOCK	X		X	X											
FARMLAND ARABLE	X		X	X											
NATURE RESERVE (LOCAL)	X		X	X	X							X	X		
SPECIAL AREAS OF CONSERVATION AND SSSI's (WITHIN 2 Km)															
SPECIAL PROTECTION AREAS (WITHIN 5 Km)															
RAILWAY	X			X											
SURFACE WATER	X		X	X				X				X	X		

2. Hazard List

Litter	Description of the Hazard		Location of the Activity
	Entrainment on vehicle/plant wheels.		Internal roads and haulage areas on-site
	Litter blow in strong winds from tipping vehicles and tipping hall.		Vehicles and tipping hall.
	On-site build up of litter in non-operational areas		Whole site including fences and landscaping etc.
	List of waste types which are likely to become windblown:		
	Description	High or medium risk	Justification for selection of risk level
	Paper and Card	Low	All waste handling will occur within a building under negative pressure. All vehicles will be sheeted / covered. Litter picking will ensure minimal build up of litter on site.
Plastic	Low	As above	

Flies	Description of the hazard		Location of the activity
	Flies attracted to the untreated domestic waste		Tipping hall / bunkers
	Flies being brought in within domestic waste		Delivery vehicles / tipping hall.
	List of waste types which are likely to attract insects.		
	Description	High or medium risk	Justification for selection of risk level
Domestic	Low to Medium	There is a risk of flies breeding in the waste particularly in the summer when conditions are conducive to breeding particularly given potentially long haulage and storage. As powerful flyers there is the risk that flies could exit the building despite negative pressure. Risk may be reduced with the use various fly management controls (e.g. use of insecticides, closing of doors etc).	

Mud on Roads	Description of activity	High or medium risk	Justification for selection of risk level
	Construction vehicles tracking over unmade surfaces on site and transferring mud from wheels onto the public highway	Low to medium	Short-term during construction. Can be mitigated for using wheel washes / spinners.

Particulate matter (Dust)	Description of the activity	Location of the activity or potential release points	Nature of the particulate
	Waste vehicle movements	On-site waste vehicle movements	Inert dust raised from internal haul roads and possibly some minor waste derived dusts from poorly covered vehicles (but unlikely due to requirement for sheeting etc.)
	Waste handling.	Tipping hall	Waste derived dusts.
	Ashes	On-site	Bottom ash and flue gas residues
	Construction vehicles	On-site	Inert and soil derived dusts.
	Construction activities (stockpiles, waste soils, material movements etc.).	On-site	Inert and soil derived dusts. Cementitious dusts.
	List of waste types / activities which are likely to generate particulates		
	Non-hazardous waste description	High or medium risk	Justification for selection of risk level
	Domestic	Low	Domestic waste tends to be relatively wet and therefore unlikely to produce significant quantities of dust. However, will contain bioaerosols. Nevertheless sheeting of vehicles and handling of wastes in a building under negative pressure will ensure that risks are minimised.
	Ashes	Low	Ashes will be wetted and stored within the building under negative pressure as above.
	Internal Road Surfaces (construction and operational vehicles)	Low (operation) Medium-High (construction)	Main source of dust during construction. Available controls = water bowsing etc.
	Construction materials and wastes (e.g. waste soil)	Low-Medium	Risk of windblown material during handling and storage – controls will include wetting and avoiding handling in windy conditions.

Odour	Description of the hazard		Location of the activity
	Presence of MSW		Tipping hall / bunkers
	Delivery of odorous wastes		Tipping hall / bunkers
	Waste storage		Tipping hall / bunkers
	Wet Ashes		Ash storage area
	List of waste types which are likely to emit odour.		
	Description	High or medium risk	Justification for selection of risk level
	Domestic waste deliveries	Low	All waste handling within a building under negative air pressure and combustion of internal air. Low historic complaint history re: similar plant
	Specific odorous waste deliveries	Low	As above
	Waste storage	Low	As above
Ash storage	Low	As above and relatively low odour emissions from this source.	

3. Receptor List

Receptor Name	Type of Receptor	Brief description of the receptor	Minimum distance from site boundary (metres)	Direction from site boundary	Frequency of wind blowing in that direction	Brief description of pathway for airborne substances	Plan reference
Industrial Premises on Four Ashes Industrial Estate	Commercial/Industrial	Commercial Units and Industrial Estate	Adjacent	East and north	Low	Uninhibited	ES Figure 9.1
Sensitivity of receptor							
Hazard type	High, Medium or Low	Justification for selection of sensitivity					
Litter	Low - medium	Despite proximity, industrial areas are relatively insensitive to litter (in comparison to residential or publicly accessible areas) as litter does not affect enjoyment of property within an industrial estate. Litter does not effect work, especially indoor work. There is an expectation that industrial areas are likely to be relatively prone to litter in any case and are less sensitive in terms of aesthetics as industrial areas are generally less visually attractive. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of litter in any case.					
Flies	Medium	Despite proximity, industrial areas are relatively insensitive to flies (in comparison to residential areas) as flies do not affect enjoyment of property within an industrial estate. However, flies may effect concentration during work or product quality. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of flies in any case.					
Mud on roads	Medium	Enterprise Drive leads directly to the site and could be at risk from mud spread during construction. Nevertheless, such 'dead-end' roads on industrial estates are relatively lightly trafficked and speeds are low resulting in low safety risks.					
Particulates	Low - medium	Despite proximity, industrial areas are relatively insensitive to dust (in comparison to residential areas) as dust does not affect enjoyment of property within an industrial estate. Dust does not effect work but could potentially effect product quality. There is an expectation that industrial areas are likely to be relatively dusty in any case due to any heavy industrial activities already present (in this case cement batching plant). Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of dust during operations.					
Odour	Low - medium	Despite proximity, industrial areas are relatively insensitive to odour (in comparison to residential or publicly accessible areas) as odour does not affect enjoyment of property or recreation within an industrial estate. Odour does not effect work significantly unless extremely strong. There is an expectation that industrial areas are likely to contain some sources of odour in any case due to the presence of industrial activities. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of odour in any case.					

Receptor Name	Type of Receptor	Brief description of the receptor	Minimum distance from site boundary (metres)	Direction from site boundary	Frequency of wind blowing in that direction	Brief description of pathway for airborne substances	Plan reference
Deepmore Cottages	Residential	Houses	220m	East	High – Within prevailing wind direction	Uninhibited	ES Figure 9.1
Sensitivity of receptor							
Hazard type	High, Medium or Low	Justification for selection of sensitivity					
Litter	Low - medium	Houses may be sensitive to litter in their gardens or even views of litter within the curtilage of the site. However, these properties are over 200m from the site but within the prevailing wind direction which could potentially carry any litter (if released) to the receptor. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of litter in any case. No waste delivery vehicles will pass this receptor.					
Flies	Low - medium	Houses are sensitive receptors to flies due to flies entering a house causing annoyance and requiring control and the possible spread of disease. But the receptor is over 200m from the site and downwind of the prevailing wind direction (flies unlikely to travel upwind, following scent trails, to these properties). Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of flies in any case.					
Mud on roads	Low	No construction (or operation vehicles) will travel close to these properties.					
Particulates	Low	Over 200m from the site but within the prevailing wind direction. Little potential for limited transfer of dust to the receptor during dry summer weather and high winds during construction over this distance. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of dust during operations. No waste delivery or construction vehicles will pass this receptor.					
Odour	Low - medium	Residences are a sensitive odour receptor, particularly due to the presence of people at night when dispersion may be poor, and they are within the prevailing wind direction. However, they are over 200m away. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of odour in any case. No waste delivery vehicles will pass this receptor.					

Receptor Name	Type of Receptor	Brief description of the receptor	Minimum distance from site boundary (metres)	Direction from site boundary	Frequency of wind blowing in that direction	Brief description of pathway for airborne substances	Plan reference
Deepmore Farm	Residential	Residential Properties (farm and barn conversion)	270m	South East	Low to Moderate – close to prevailing wind direction	Uninhibited	ES Figure 9.1
Sensitivity of receptor							
Hazard type	High, Medium or Low	Justification for selection of sensitivity					
Litter	Low - medium	Houses may be sensitive to litter in their gardens or even views of litter within the curtilage of the site. However, these properties are nearly 300m from the site but just outside the prevailing wind direction. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of litter in any case. No waste delivery vehicles will pass this receptor.					
Flies	Low - medium	Houses are sensitive receptors to flies due to flies entering a house causing annoyance and requiring control and the possible spread of disease. But the receptor is nearly 300m from the site and downwind just outside the prevailing wind direction (flies unlikely to travel upwind, following scent trails, to these properties). Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of flies in any case.					
Mud on roads	Low	No construction (or operation vehicles) will travel close to these properties.					
Particulates	Low	Nearly 300m from the site and just outside the prevailing wind direction. Very little potential for transfer of dust to the receptor during dry summer weather and high winds over this distance. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of dust during operations. No waste delivery or construction vehicles will pass this receptor.					
Odour	Low - Medium	Residences are a sensitive odour receptor, particularly due to the presence of people at night when dispersion may be poor, and they are just outside the prevailing wind direction. However, they are nearly 300m away. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of odour in any case. No waste delivery vehicles will pass this receptor.					

Receptor Name	Type of Receptor	Brief description of the receptor	Minimum distance from site boundary (metres)	Direction from site boundary	Frequency of wind blowing in that direction	Brief description of pathway for airborne substances	Plan reference
Lower Laches Farm	Agriculture and Commercial/Residential	Agricultural buildings also used for warehousing, farmhouse	1000	South	Low	Uninhibited	ES Figure 9.1
Sensitivity of receptor							
Hazard type	High, Medium or Low	Justification for selection of sensitivity					
Litter	Low	Houses may be sensitive to litter in their gardens or even views of litter within the curtilage of the site (not the case re; agricultural/warehouse buildings). However, this property is 1km from the site and outside the prevailing wind direction. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of litter in any case. No waste delivery vehicles will pass this receptor.					
Flies	Low	Houses (but not agricultural buildings) are sensitive receptors to flies due to flies entering a house causing annoyance and requiring control and the possible spread of disease. But the receptor is over 1km from the site and outside the prevailing wind direction (flies unlikely to travel upwind, following scent trails, to these properties). Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of flies in any case.					
Mud on roads	Low	No construction (or operation vehicles) will travel close to these properties.					
Particulates	Low	Over 1km from the site and outside the prevailing wind direction. No potential for transfer of dust to the receptor during dry summer weather and high winds at this distance. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of dust during operations. No waste delivery or construction vehicles will pass this receptor.					
Odour	Low	Residences are a sensitive odour receptor, particularly due to the presence of people at night when dispersion may be poor. The other landuses at this receptor are not odour sensitive. However, it is over 1km away and outside the prevailing wind direction. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of odour in any case. No waste delivery vehicles will pass this receptor.					

Receptor Name	Type of Receptor	Brief description of the receptor	Minimum distance from site boundary (metres)	Direction from site boundary	Frequency of wind blowing in that direction	Brief description of pathway for airborne substances	Plan reference
Aspley Farm	Residential/Agricultural	Agricultural buildings with farm house	700	South	Low	Uninhibited	ES Figure 9.1
Sensitivity of receptor							
Hazard type	High, Medium or Low	Justification for selection of sensitivity					
Litter	Low	Houses may be sensitive to litter in their gardens or even views of litter within the curtilage of the site (not the case re; agricultural buildings). However, this property is 700m from the site and outside the prevailing wind direction. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of litter in any case. No waste delivery vehicles will pass this receptor.					
Flies	Low	Houses (but not agricultural buildings) are sensitive receptors to flies due to flies entering a house causing annoyance and requiring control and the possible spread of disease. But the receptor is 700m from the site and outside the prevailing wind direction (flies unlikely to travel upwind, following scent trails, to these properties). Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of flies in any case.					
Mud on roads	Low	No construction (or operation vehicles) will travel close to these properties.					
Particulates	Low	700m from the site and outside the prevailing wind direction. No potential for transfer of dust to the receptor during dry summer weather and high winds at this distance. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of dust during operations. No waste delivery or construction vehicles will pass this receptor.					
Odour	Low	Residences are a sensitive odour receptor, particularly due to the presence of people at night when dispersion may be poor. The other landuses at this receptor are not odour sensitive. However, it is 700m away and outside the prevailing wind direction. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of odour in any case. No waste delivery vehicles will pass this receptor.					

Receptor Name	Type of Receptor	Brief description of the receptor	Minimum distance from site boundary (metres)	Direction from site boundary	Frequency of wind blowing in that direction	Brief description of pathway for airborne substances	Plan reference
Pool Houses	Residential	Residential properties	1000	South West	Low	Uninhibited	ES Figure 9.1
Sensitivity of receptor							
Hazard type	High, Medium or Low	Justification for selection of sensitivity					
Litter	Low	Houses may be sensitive to litter in their gardens or even views of litter within the curtilage of the site. However, these properties are 1km from the site and outside the prevailing wind direction. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of litter in any case. No waste delivery vehicles will pass these receptors.					
Flies	Low	Houses are sensitive receptors to flies due to flies entering a house causing annoyance and requiring control and the possible spread of disease. But the receptors are over 1km from the site and outside the prevailing wind direction (although flies could conceivably travel upwind, following scent trails, to these properties – but very unlikely over these distances). Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of flies in any case.					
Mud on roads	Low	No construction (or operation vehicles) will travel close to these properties.					
Particulates	Low	Over 1km from the site and outside the prevailing wind direction. No potential for transfer of dust to the receptors during dry summer weather and high winds at this distance. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of dust during operations. No waste delivery or construction vehicles will pass these receptors.					
Odour	Low	Residences are a sensitive odour receptor, particularly due to the presence of people at night when dispersion may be poor. However, they are over 1km away and outside the prevailing wind direction. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of odour in any case. No waste delivery vehicles will pass these receptors.					

Receptor Name	Type of Receptor	Brief description of the receptor	Minimum distance from site boundary (metres)	Direction from site boundary	Frequency of wind blowing in that direction	Brief description of pathway for airborne substances	Plan reference
Wood View	Residential	Residential Property	250	North	Low	Uninhibited	ES Figure 9.1
Sensitivity of receptor							
Hazard type	High, Medium or Low	Justification for selection of sensitivity					
Litter	Low - medium	Houses may be sensitive to litter in their gardens or even views of litter within the curtilage of the site. However, this property is 250m from the site but just outside the prevailing wind direction. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of litter in any case. Waste vehicles will travel close to this receptor but will be fully enclosed.					
Flies	Low - medium	Houses are sensitive receptors to flies due to flies entering a house causing annoyance and requiring control and the possible spread of disease. But the receptor is 250m from the site and downwind just outside the prevailing wind direction (flies unlikely to travel upwind, following scent trails, to these properties). Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of flies in any case.					
Mud on roads	Low	Construction vehicles will travel close to these properties along Vicarage Road but the route from the site is too long for any mud to be transferred this far from the site.					
Particulates	Low	250m from the site and just outside the prevailing wind direction. Little potential for limited transfer of dust to the receptor during dry summer weather and high winds over this distance. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of dust during operations. Waste vehicles will travel close to this receptor but will be fully enclosed.					
Odour	Low - medium	Residences are a sensitive odour receptor, particularly due to the presence of people at night when dispersion may be poor, and it is just outside the prevailing wind direction. However, it is 250m away. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of odour in any case. Waste vehicles will travel close to this receptor but will be fully enclosed.					

Receptor Name	Type of Receptor	Brief description of the receptor	Minimum distance from site boundary (metres)	Direction from site boundary	Frequency of wind blowing in that direction	Brief description of pathway for airborne substances	Plan reference
Mile End Cottage, Stoney Brook, and Oak Lee/Ash House	Residential	Residential Properties	370	North North East	Low to Moderate – close to prevailing wind direction	Uninhibited	ES Figure 9.1
Sensitivity of receptor							
Hazard type	High, Medium or Low	Justification for selection of sensitivity					
Litter	Low	Houses may be sensitive to litter in their gardens or even views of litter within the curtilage of the site. However, these properties are nearly 400m from the site but just outside the prevailing wind direction. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of litter in any case. Waste vehicles will travel close to these receptors but will be fully enclosed.					
Flies	Low	Houses are sensitive receptors to flies due to flies entering a house causing annoyance and requiring control and the possible spread of disease. But the receptor is nearly 400m from the site and just outside the prevailing wind direction (flies unlikely to travel upwind, following scent trails, to these properties). Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of flies in any case.					
Mud on roads	Low	Construction vehicles will travel close to these properties along Vicarage Road but the route from the site is too long for any mud to be transferred this far from the site. Note that no HGV traffic will travel along Straight Mile.					
Particulates	Low	Nearly 400m from the site and just outside the prevailing wind direction. Very limited potential for transfer of dust to the receptor during dry summer weather and high winds. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of dust during operations. Waste vehicles will travel close to these receptors but will be fully enclosed.					
Odour	Low	Residences are a sensitive odour receptor, particularly due to the presence of people at night when dispersion may be poor, and they are just outside the prevailing wind direction. However, they are 400m away. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of odour in any case. Waste vehicles will travel close to these receptors but will be fully enclosed.					

Receptor Name	Type of Receptor	Brief description of the receptor	Minimum distance from site boundary (metres)	Direction from site boundary	Frequency of wind blowing in that direction	Brief description of pathway for airborne substances	Plan reference
Straight Mile Farm	Agricultural/ Residential	Agricultural Buildings and Farmhouse	640	North East	High – Within prevailing wind direction	Uninhibited	ES Figure 9.1
Sensitivity of receptor							
Hazard type	High, Medium or Low	Justification for selection of sensitivity					
Litter	Low	Houses may be sensitive to litter in their gardens or even views of litter within the curtilage of the site (not the case re; agricultural buildings). However, this property is over 600m from the site (but is within the prevailing wind direction). Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of litter in any case. No waste delivery vehicles will pass this receptor.					
Flies	Low	Houses (but not agricultural buildings) are sensitive receptors to flies due to flies entering a house causing annoyance and requiring control and the possible spread of disease. But the receptor is over 600m from the site and within the prevailing wind direction (flies unlikely to travel upwind, following scent trails, to these properties). Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of flies in any case.					
Mud on roads	Low	No construction (or operation vehicles) will travel close to this receptor.					
Particulates	Low	Over 600m from the site but within the prevailing wind direction. No potential for transfer of dust to the receptor during dry summer weather and high winds at this distance. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of dust during operations. No waste delivery or construction vehicles will pass this receptor.					
Odour	Low	Residences are a sensitive odour receptor, particularly due to the presence of people at night when dispersion may be poor. The other landuses at this receptor are not odour sensitive. However, they are over 600m away (but within the prevailing wind direction). Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of odour in any case. No waste delivery vehicles will pass this receptor. Note that this receptor is downwind of a sewage works.					

Receptor Name	Type of Receptor	Brief description of the receptor	Minimum distance from site boundary (metres)	Direction from site boundary	Frequency of wind blowing in that direction	Brief description of pathway for airborne substances	Plan reference
Woodside Farmhouse	Agriculture/ Residential	Agricultural Buildings with Farm House	630	North	Low – moderate – just outside prevailing wind direction	Uninhibited	ES Figure 9.1
Sensitivity of receptor							
Hazard type	High, Medium or Low	Justification for selection of sensitivity					
Litter	Low	Houses may be sensitive to litter in their gardens or even views of litter within the curtilage of the site (not the case re; agricultural buildings). However, this property is over 600m from the site and is just outside the prevailing wind direction. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of litter in any case. No waste delivery vehicles will pass this receptor					
Flies	Low	Houses (but not agricultural buildings) are sensitive receptors to flies due to flies entering a house causing annoyance and requiring control and the possible spread of disease. But the receptor is over 600m from the site but just outside the prevailing wind direction (flies unlikely to travel upwind, following scent trails, to these properties). Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of flies in any case.					
Mud on roads	Low	No construction (or operation vehicles) will travel close to this receptor.					
Particulates	Low	Over 600m from the site and just outside the prevailing wind direction. No potential for transfer of dust to the receptor during dry summer weather and high winds at this distance. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of dust during operations. No waste delivery or construction vehicles will pass this receptor.					
Odour	Low	Residences are a sensitive odour receptor, particularly due to the presence of people at night when dispersion may be poor. The other landuses at this receptor are not odour sensitive. However, it is over 600m away (but just outside the prevailing wind direction). Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of odour in any case. No waste delivery vehicles will pass this receptor.					

Receptor Name	Type of Receptor	Brief description of the receptor	Minimum distance from site boundary (metres)	Direction from site boundary	Frequency of wind blowing in that direction	Brief description of pathway for airborne substances	Plan reference
Hatherton Junction Marina	Commercial/Recreational	Narrowboat Marina	850	East	High – Within prevailing wind direction	Uninhibited	ES Figure 9.1
Sensitivity of receptor							
Hazard type	High, Medium or Low	Justification for selection of sensitivity					
Litter	Low	Recreational areas may be sensitive to litter or even views of litter within the curtilage of the site as the attractiveness of recreational site may be tarnished by any accumulations. However, this area is 850m from the site (but within the prevailing wind direction). Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of litter in any case. No waste delivery vehicles will pass this receptor.					
Flies	Low	Recreational areas such as marinas are sensitive receptors to flies due to flies entering boats causing annoyance and requiring control and the possible spread of disease. But the receptor is 850m from the site and within the prevailing wind direction (flies unlikely to travel upwind, following scent trails, to these properties). Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of flies in any case.					
Mud on roads	Low	No construction (or operation vehicles) will travel close to this receptor.					
Particulates	Low	850m from the site but within the prevailing wind direction. No potential for transfer of dust to the receptor during dry summer weather and high winds at this distance. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of dust during operations. No waste delivery or construction vehicles will pass this receptor.					
Odour	Low	Recreational areas are sensitive to odour as odours may put people off visiting / staying. However, this receptor is 850m away (but within the prevailing wind direction). Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of odour in any case. No waste delivery vehicles will pass this receptor.					

Receptor Name	Type of Receptor	Brief description of the receptor	Minimum distance from site boundary (metres)	Direction from site boundary	Frequency of wind blowing in that direction	Brief description of pathway for airborne substances	Plan reference
The Staffordshire and Worcestershire Canal	Heritage / recreation	Canal and towpath running to the north of the site	140	North	Moderate – High - close to and within prevailing wind direction in some parts	Uninhibited except by a treebelt and other permitted industrial buildings	ES Figure 9.1
Sensitivity of receptor							
Hazard type	High, Medium or Low	Justification for selection of sensitivity					
Litter	Low - medium	Recreational areas may be sensitive to litter or even views of litter within the curtilage of the site as the attractiveness of recreational site may be tarnished by any accumulations. However, this area, whilst close, is bounded by a tree belt which would assist in preventing litter from entering the canal. Also, the boating / walking nature of activities at this receptor means that people would not be present close to the site for long periods. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of litter in any case. No waste delivery vehicles will pass this receptor.					
Flies	Low - medium	Recreational areas such as canals and paths are relatively insensitive receptors to flies due to their open air nature and the short periods that people will remain close by. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of flies in any case.					
Mud on roads	Low	No construction (or operation vehicles) will travel close to this receptor.					
Particulates	Low	Whilst this receptor is close to the proposed site again it is relatively insensitive to dust due to the short periods that people will be present. There is the potential for transfer of dust to the receptor during dry summer weather and high winds at this distance although the tree belt would help attenuate any releases. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of dust during operations. No waste delivery or construction vehicles will pass this receptor.					
Odour	Low - medium	Recreational areas are sensitive to odour as odours may put people off visiting / staying. However, again this receptor is relatively insensitive due to the short periods of time people will be in proximity to the development. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of odour in any case. No waste delivery vehicles will pass this receptor.					

Receptor Name	Type of Receptor	Brief description of the receptor	Minimum distance from site boundary (metres)	Direction from site boundary	Frequency of wind blowing in that direction	Brief description of pathway for airborne substances	Plan reference
Properties on Station Drive, Four Ashes	Residential	Row of houses	575m	west	Low – outside prevailing wind direction	Over industrial estate	ES Figure 9.1
Sensitivity of receptor							
Hazard type	High, Medium or Low	Justification for selection of sensitivity					
Litter	Low	Houses may be sensitive to litter in their gardens or even views of litter within the curtilage of the site. However, these properties are nearly 600m from the site and outside the prevailing wind direction. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of litter in any case. No waste delivery vehicles will pass these receptors.					
Flies	Low	Houses are sensitive receptors to flies due to flies entering a house causing annoyance and requiring control and the possible spread of disease. But the receptors are nearly 600m from the site but is outside the prevailing wind direction (flies could conceivably travel upwind, following scent trails, to these properties but unlikely over this distance). Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of flies in any case.					
Mud on roads	Low	Limited numbers of construction vehicles may travel close to these properties along Station Drive but the route from the site is too long for any mud to be transferred this far from the site and access is limited by the low bridge.					
Particulates	Low	Nearly 600m from the site and outside the prevailing wind direction. No potential for transfer of dust to the receptor during dry summer weather and high winds at this distance. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of dust during operations. No waste delivery or construction vehicles will pass this receptor.					
Odour	Low	Residences are a sensitive odour receptor, particularly due to the presence of people at night when dispersion may be poor, but they are outside the prevailing wind direction and over 400m away. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of odour in any case. No waste delivery vehicles will pass this receptor.					

Receptor Name	Type of Receptor	Brief description of the receptor	Minimum distance from site boundary (metres)	Direction from site boundary	Frequency of wind blowing in that direction	Brief description of pathway for airborne substances	Plan reference
The Four Ashes Public House	Entertainment	Local Pub	900m	west	Low – outside prevailing wind direction	Over industrial estate	ES Figure 9.1
Sensitivity of receptor							
Hazard type	High, Medium or Low	Justification for selection of sensitivity					
Litter	Low	Pubs may be sensitive to litter in their gardens or even views of litter within the curtilage of the site as litter may put people off from visiting. However, the pub is 900m from the site, outside the prevailing wind direction and not on the route for waste deliveries. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of litter in any case.					
Flies	Low	Pubs are sensitive receptors to flies due to flies entering the property causing annoyance and requiring control and may put off visitors. But the receptor is 900m from the site. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of flies in any case.					
Mud on roads	Low	Limited numbers of construction vehicles may travel close to the pub along Station Drive but the route from the site is too long for any mud to be transferred this far from the site and access is limited by the low bridge.					
Particulates	Low	900m from the site and outside the prevailing wind direction. No potential for transfer of dust to the receptor during dry summer weather and high winds at this distance. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of dust during operations. No waste delivery vehicles will pass this receptor.					
Odour	Low	Pubs are sensitive odour receptors, as odours may put people off from visiting, but it is outside the prevailing wind direction and is 900m away. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of odour in any case. No waste delivery vehicles will pass this receptor.					

Receptor Name	Type of Receptor	Brief description of the receptor	Minimum distance from site boundary (metres)	Direction from site boundary	Frequency of wind blowing in that direction	Brief description of pathway for airborne substances	Plan reference
Sports Ground, Four Ashes	Recreational	Playing fields	750m	West	Low	Over industrial estate	ES Figure 9.1
Sensitivity of receptor							
Hazard type	High, Medium or Low	Justification for selection of sensitivity					
Litter	Low	Sports fields may be sensitive to litter as litter may make the area look untidy and require clearing away. However, the sports ground is 750m from the site, outside the prevailing wind direction and not on the route for waste deliveries. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of litter in any case. No waste delivery vehicles will pass this receptor.					
Flies	Low	Sports fields are not sensitive receptors to flies as they are outdoors (barring any changing facilities and clubhouses). The receptor is also 750m from the site. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of flies in any case.					
Mud on roads	Low	Limited numbers of construction vehicles may travel close to the sports ground along Station Drive but the route from the site is too long for any mud to be transferred this far from the site and access is limited by the low bridge.					
Particulates	Low	750m from the site and outside the prevailing wind direction. No potential for transfer of dust to the receptor during dry summer weather and high winds at this distance. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of dust during operations. No waste delivery vehicles will pass this receptor.					
Odour	Low	Sports grounds have some sensitivity to odour, as odours may put people off from visiting, but it is outside the prevailing wind direction and is 750m away. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of odour in any case. No waste delivery vehicles will pass this receptor.					

Receptor Name	Type of Receptor	Brief description of the receptor	Minimum distance from site boundary (metres)	Direction from site boundary	Frequency of wind blowing in that direction	Brief description of pathway for airborne substances	Plan reference
Brianolf	Residential	House within industrial estate	150	North west	Low	Over industrial estate	ES Figure 9.1
Sensitivity of receptor							
Hazard type	High, Medium or Low	Justification for selection of sensitivity					
Litter	Low - medium	Houses may be sensitive to litter in their gardens or even views of litter within the curtilage of the site. However, this property is 150m from the site, outside the prevailing wind direction and within an existing industrial estate. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of litter in any case. Waste vehicles will travel close to this receptor but will be fully enclosed.					
Flies	Low - medium	Houses are sensitive receptors to flies due to flies entering a house causing annoyance and requiring control and the possible spread of disease. But the receptor is 150m from the site and outside the prevailing wind direction (flies unlikely to travel upwind, following scent trails, to these properties). Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of flies in any case.					
Mud on roads	Low	Construction vehicles will travel close to this properties along Station Road but the route from the site is too long for any mud to be transferred this far from the site.					
Particulates	Low - Medium	150m from the site and outside the prevailing wind direction. Some potential for limited transfer of dust to the receptor during dry summer weather and high winds during construction. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of dust during operations. Waste vehicles will travel close to this receptor but will be fully enclosed.					
Odour	Low - Medium	Residences are a sensitive odour receptor, particularly due to the presence of people at night when dispersion may be poor. However, this receptor is 150m away and outside the prevailing wind direction. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of odour in any case. Waste vehicles will travel close to this receptor but will be fully enclosed.					

Receptor Name	Type of Receptor	Brief description of the receptor	Minimum distance from site boundary (metres)	Direction from site boundary	Frequency of wind blowing in that direction	Brief description of pathway for airborne substances	Plan reference
Firtree Cottage	Residential	House	900m	North west	Low	Over industrial estate	ES Figure 9.1
Sensitivity of receptor							
Hazard type	High, Medium or Low	Justification for selection of sensitivity					
Litter	Low	Houses may be sensitive to litter in their gardens or even views of litter within the curtilage of the site. However, this property is 900m from the site and outside the prevailing wind direction. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of litter in any case. No waste delivery vehicles will pass this receptor.					
Flies	Low	Houses are sensitive receptors to flies due to flies entering a house causing annoyance and requiring control and the possible spread of disease. But the receptor is 900m from the site but is outside the prevailing wind direction (flies could conceivably travel upwind, following scent trails, to these properties but unlikely over this distance). Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of flies in any case.					
Mud on roads	Low	Limited numbers of construction vehicles may travel close to these properties along the A449 but the route from the site is too long for any mud to be transferred this far from the site and access from this direction is limited by the low bridge.					
Particulates	Low	900m from the site and outside the prevailing wind direction. No potential for transfer of dust to the receptor during dry summer weather and high winds at this distance. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of dust during operations. No waste delivery vehicles will pass this receptor.					
Odour	Low	Residences are a sensitive odour receptor, particularly due to the presence of people at night when dispersion may be poor, but this house is outside the prevailing wind direction and 900m away. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of odour in any case. No waste delivery vehicles will pass this receptor.					

Receptor Name	Type of Receptor	Brief description of the receptor	Minimum distance from site boundary (metres)	Direction from site boundary	Frequency of wind blowing in that direction	Brief description of pathway for airborne substances	Plan reference
Vicarage Road	Road	Lightly trafficked rural road	210	North east	High (within prevailing wind direction)	Uninhibited – although some tree belts present	ES Figure 9.1
Sensitivity of receptor							
Hazard type	High, Medium or Low	Justification for selection of sensitivity					
Litter	Low - medium	Roads have limited sensitivity to litter or even views of litter within the curtilage of the site as the visual amenity of the road may be tarnished by any accumulations. Also, the mobile nature of activities at this receptor (driving, cycling etc) means that people would not be present close to the site for long periods. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of litter in any case. Waste delivery vehicles will pass along this receptor but will be enclosed.					
Flies	Low	Roads are relatively insensitive receptors to flies due to their open air nature and the short periods that people will remain close by. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of flies in any case.					
Mud on roads	Low	Construction and operation vehicles will travel along this receptor – but Vicarage Road is too distant from the site for mud to be transferred to it.					
Particulates	Low	Whilst this receptor is close to the proposed site, again, it is relatively insensitive to dust due to the short periods that people will be present. There is the some potential for transfer of dust to the receptor during dry summer weather and high winds at this distance although the tree belts would help attenuate any releases. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of dust during operations. Waste delivery and construction vehicles will pass along this receptor. No vehicles park along this road.					
Odour	Low	Roads are relatively insensitive to odour due to the short periods of time people would pass through any odour plume. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of odour in any case. Waste delivery vehicles will pass along this receptor but will be enclosed.					

Receptor Name	Type of Receptor	Brief description of the receptor	Minimum distance from site boundary (metres)	Direction from site boundary	Frequency of wind blowing in that direction	Brief description of pathway for airborne substances	Plan reference
Station Road	Road	Road through industrial estate	210	North west	Low	Over industrial estate	ES Figure 9.1
Sensitivity of receptor							
Hazard type	High, Medium or Low	Justification for selection of sensitivity					
Litter	Low - medium	Roads have limited sensitivity to litter or even views of litter within the curtilage of the site as the visual amenity of the road may be tarnished by any accumulations. Also, the mobile nature of activities at this receptor (driving, cycling etc) means that people would not be present close to the site for long periods. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of litter in any case. Waste delivery vehicles will pass along this receptor but will be enclosed.					
Flies	Low	Roads are relatively insensitive receptors to flies due to their open air nature and the short periods that people will remain close by. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of flies in any case.					
Mud on roads	Low	Construction and operation vehicles will travel along this receptor – but Station Road is too distant from the site for mud to be transferred to it in any appreciable amount.					
Particulates	Low	Whilst this receptor is close to the proposed site, again, it is relatively insensitive to dust due to the short periods that people will be present. There is the some potential for transfer of dust to the receptor during dry summer weather and high winds at this distance although the tree belts would help attenuate any releases. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of dust during operations. Waste delivery and construction vehicles will pass along this receptor but will be enclosed. No vehicles park along this road.					
Odour	Low	Roads are relatively insensitive to odour due to the short periods of time people would pass through any odour plume. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of odour in any case. Waste delivery vehicles will pass along this receptor but will be enclosed.					

Receptor Name	Type of Receptor	Brief description of the receptor	Minimum distance from site boundary (metres)	Direction from site boundary	Frequency of wind blowing in that direction	Brief description of pathway for airborne substances	Plan reference
Enterprise Drive	Road	Industrial estate access road	Adjacent	West	Low	Uninhibited	ES Figure 9.1
Sensitivity of receptor							
Hazard type	High, Medium or Low	Justification for selection of sensitivity					
Litter	Low - medium	Roads have limited sensitivity to litter or even views of litter within the curtilage of the site as the visual amenity of the road may be tarnished by any accumulations. Also, the mobile nature of activities at this receptor (driving, cycling etc) means that people would not be present close to the site for long periods. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of litter in any case. Waste delivery vehicles will pass along this receptor but will be enclosed.					
Flies	Low	Roads are relatively insensitive receptors to flies due to their open air nature and the short periods that people will remain close by. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of flies in any case.					
Mud on roads	Medium	Construction and operation vehicles will travel along this receptor. As this is the main access road directly into and out of the site there is the potential for mud to be transferred onto the road during construction works if unmitigated. However, wheel washing/cleaning facilities and road sweeping will ensure that excessive build up of mud will be prevented.					
Particulates	Low - medium	Whilst this receptor is close to the proposed site again it is relatively insensitive to dust due to the short periods that people will be present, although parked cars could potentially be soiled by any dust emitted. There is the some potential for transfer of dust to the receptor during dry summer weather and high winds at this distance. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of dust during operations. Waste delivery and construction vehicles will pass along this receptor but will be enclosed.					
Odour	Low	Roads are relatively insensitive to odour due to the short periods of time people would pass through any odour plume. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of odour in any case. Waste delivery vehicles will pass along this receptor but will be enclosed.					

Receptor Name	Type of Receptor	Brief description of the receptor	Minimum distance from site boundary (metres)	Direction from site boundary	Frequency of wind blowing in that direction	Brief description of pathway for airborne substances	Plan reference
Railway Line	Railway line	Railway line	500	west	low	Over industrial estate	ES Figure 9.1
Sensitivity of receptor							
Hazard type	High, Medium or Low	Justification for selection of sensitivity					
Litter	Low	Railway lines have limited sensitivity to litter or even views of litter within the curtilage of the site as the visual amenity of the journey may be tarnished by any accumulations. However, the high speed and enclosure of the train and lack of slower receptors (cyclists, pedestrians, equestrians etc) ensures that views of litter are very limited. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of litter in any case.					
Flies	Low	Railways are relatively insensitive receptors to flies due to the very short periods that people will remain close by. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of flies in any case.					
Mud on roads	NR						
Particulates	Low	Railway lines are insensitive to dust due to the short periods that people will be present. There is little potential for transfer of dust to the receptor during dry summer weather and high winds at this distance. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of dust during operations.					
Odour	Low	Railway lines are relatively insensitive to odour due to the short periods of time people would pass through any odour plume and the level of enclosure of trains. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of odour in any case.					

Receptor Name	Type of Receptor	Brief description of the receptor	Minimum distance from site boundary (metres)	Direction from site boundary	Frequency of wind blowing in that direction	Brief description of pathway for airborne substances	Plan reference
The Saredon Brook	Aquatic	Stream	Adjacent	South	Low	Uninhibited	ES Figure 9.1
Sensitivity of receptor							
Hazard type	High, Medium or Low	Justification for selection of sensitivity					
Litter	Medium	Rivers are sensitive to litter as it can affect aquatic ecology as well as visual amenity.. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of litter in any case					
Flies	Low	Rivers are insensitive receptors to flies. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of flies in any case.					
Mud on roads	NR	See Water Resources Chapter					
Particulates	Low	Rivers are relatively insensitive to dust except if under especially high levels of exposure which could add to suspended solid loads. There is potential for transfer of dust to the receptor during dry summer weather and high winds at this distance. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of dust during operations.					
Odour	Low	Rivers are insensitive to odours. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of odour in any case.					

Receptor Name	Type of Receptor	Brief description of the receptor	Minimum distance from site boundary (metres)	Direction from site boundary	Frequency of wind blowing in that direction	Brief description of pathway for airborne substances	Plan reference
Farmland	Arable and livestock		XXX	All	High	Uninhibited but some tree belts and hedges	NA
Sensitivity of receptor							
Hazard type	High, Medium or Low	Justification for selection of sensitivity					
Litter	Low - medium	Farmland has some sensitivity to litter as the visual amenity of the land may be tarnished by any accumulations and livestock can eat it. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of litter in any case.					
Flies	Low	Farmland is relatively insensitive to flies due to its open air nature and the fact that livestock can be a significant source of flies. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of flies in any case.					
Mud on roads	NA						
Particulates	Low	Farmland is relatively insensitive to dust. There is the some potential for transfer of dust to the receptor during dry summer weather and high winds although the tree belts would help attenuate any releases. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of dust during operations.					
Odour	Low	Farmland is insensitive to odour and may often be a significant source of odour (livestock and muck-spreading). Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of odour in any case.					

Receptor Name	Type of Receptor	Brief description of the receptor	Minimum distance from site boundary (metres)	Direction from site boundary	Frequency of wind blowing in that direction	Brief description of pathway for airborne substances	Plan reference
Four Ashes SBI	Locally designated wildlife site	Mixed woodland and wet woodland	Adjacent	South west	Low	Uninhibited but SBI contains trees	NA
Sensitivity of receptor							
Hazard type	High, Medium or Low	Justification for selection of sensitivity					
Litter	Low - medium	Nature reserves have some sensitivity to litter as the visual amenity of the site may be tarnished by any accumulations and wildlife can eat litter. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of litter in any case.					
Flies	Low	Woodland is insensitive to flies due to its open air nature and the fact that livestock can be a significant source of flies. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of flies in any case.					
Mud on roads	NA						
Particulates	Low- medium	Woodland is relatively insensitive to dust although leaves could potentially be smothered if major emissions were to occur. There is the potential for transfer of dust to the receptor during dry summer weather and high winds although the trees at the edge of the SBI would reduce the transfer of dust further into the woodland. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of dust during operations. Note that the woodlands already lie adjacent to a cement batching works.					
Odour	Low	Nature reserves are relatively insensitive to odour but people could be put off from visiting by strong odours. Enclosure of operations in a building under negative pressure along with further controls will prevent significant release of odour in any case.					