

Within the risk assessment, each hazard has been given a risk rating and a list of the controls currently in place. Where control measures in italics have been identified, then this will reduce the overall likelihood score compared to the baseline. The total change in score should therefore be calculated and this will then be used in the revised risk score

Reference	Activity / Event Specific operational activities	Hazard What has the potential to cause harm?	Source Where is it coming from?	Pathway How can the hazard get to the receptor?	Receptor What is at risk?	Existing Risk Assessment		Control and Mitigation Measures The "Mitigation Measures" section of the template is then completed with details of all of the individual control measures that are in place, or will be applied for the individual activity or task in order to reduce the potential for environmental impact	Residual Risk Assessment			Additional control or mitigation measures to be considered	
						Likelihood	Consequence		Likelihood	Consequence	Potential Risk and Rating		
1	Acceptance of waste, storage, processing and transfer activities	Harm to human/animal health - respiratory irritation and illness.	Releases of particulate matter (dusts)	Air transport then inhalation.	Local human population, livestock and wildlife: Perivale Village and School, Nature Reserve, Football Ground, Sports Ground, Police Station, Canal and Footpath	3	2	6 M	Waste processing activities all carried out within an enclosed building • Low volume hazardous waste streams stored in dedicated building in sealed containers • Dust management plan in place • Covered skips / storage containers used • Cessation of operations when emissions (attributable to the Site) exceed the permitted dust limit • Control of waste storage volumes on site • Use of dust monitoring equipment to enable identification of dust-raising activities and therefore undertaking of corrective actions • Dust extraction system installed in the transfer building, with filter system • Building doors kept closed at all times other than when vehicle access and egress is required • Waste stored outside kept within containers, bays or baled • Housekeeping including regular sweeping up of handstanding (accumulated dusts) • Water suppression on site to enable dampening down at the source of the dust • Weekly audits carried out and documented	2	1	2 L	
2	Acceptance of waste, storage, processing and transfer activities	Nuisance - dust on cars, clothing etc.	Releases of particulate matter (dusts)	Air transport then deposition	Local human population, livestock and wildlife: Perivale Village and School, Nature Reserve, Football Ground, Sports Ground, Police Station, Canal and Footpath	2	1	2 L	Waste processing activities all carried out within an enclosed building • Low volume hazardous waste streams stored in dedicated building in sealed containers • Dust management plan in place • Covered skips / storage containers used • Cessation of operations when emissions (attributable to the Site) exceed the permitted dust limit • Control of waste storage volumes on site • Use of dust monitoring equipment to enable identification of dust-raising activities and therefore undertaking of corrective actions • Dust extraction system installed in the transfer building, with filter system • Building doors kept closed at all times other than when vehicle access and egress is required • Waste stored outside kept within containers, bays or baled • Housekeeping including regular sweeping up of handstanding (accumulated dusts) • Water suppression on site to enable dampening down at the source of the dust • Weekly audits carried out and documented	2	1	2 L	
3	Acceptance of waste, storage, processing and transfer activities	Nuisance, loss of amenity and harm to animal health	Litter	Air transport then deposition	Local human population, livestock and wildlife: Perivale Village and School, Nature Reserve, Football Ground, Sports Ground, Police Station, Canal and Footpath	2	1	2 L	Waste segregation, processing and transfer activities carried out within an enclosed building • Low volume hazardous waste streams stored in dedicated building in sealed containers • Sheeting of vehicles is mandatory • Regular site boundary inspections undertaken, and litter cleared where identified • Fencing in place around the site • Building doors kept closed at all times other than when vehicle access and egress is required • Waste stored outside kept within containers, bays or baled	1	1	1 L	
4	Vehicles entering and exiting the site	Nuisance, loss of amenity and harm to animal health	Waste, dust, litter & mud on local roads	Vehicles entering & leaving site	Local human population, livestock and wildlife: Perivale Village and School, Nature Reserve, Football Ground, Sports Ground, Police Station, Canal and Footpath	2	2	4 M	Regular inspection of the site boundary, including the entry/exit and where mud/litter found, cleaning of the site to be carried out • Sheeting of vehicles • Hosing of vehicles upon exit/at wheel washdown area • Site speed limit, 'no idling' policy and minimisation of vehicle movements on site • regular inspection and cleaning of drains on site to prevent accumulation or run-off of water onto the road	1	2	2 L	
5	Acceptance of waste, storage, processing and transfer activities	Nuisance, loss of amenity	Odour	Air transport then inhalation.	Local human population, livestock and wildlife: Perivale Village and School, Nature Reserve, Football Ground, Sports Ground, Police Station, Canal and Footpath	1	2	2 L	Waste handled by the site is construction and demolition waste, occasional paint/oily rags so very limited scope for odorous materials on site • Low volume hazardous waste streams stored in dedicated building in sealed containers • Waste acceptance procedures in place to ensure odorous waste is not accepted on to site • Building doors kept closed at all times other than when vehicle access and egress is required • Waste stored outside kept within containers, bays or baled • Waste residence times minimised as far as possible	1	2	2 L	
6	Use of site equipment	Nuisance, loss of amenity, loss of sleep	Noise & vibration	Noise through the air & vibration through the ground	Local human population, livestock and wildlife: Perivale Village and School, Nature Reserve, Football Ground, Sports Ground, Police Station, Canal and Footpath	2	2	4 M	Waste segregation, processing and transfer activities carried out within an enclosed building • Noise generating equipment placed at the end of the building furthest away from the closest sensitive receptors • Equipment purchased with noise levels taken into account, and proprietary acoustic enclosures of pumps/motors etc. where supplied as such • For mobile plant, site speed limit in place, 'no idling' policy and minimisation of vehicle movements on site • Heavy plant fitted with appropriate noise mitigation • Noise meter kept on site to enable noise monitoring if required • Daily maintenance inspection on all equipment	1	2	2 L	
7	Acceptance of waste, storage, processing and transfer activities	Harm to human health - from waste carried off site and faeces. Nuisance and loss of amenity.	Scavenging animals and scavenging birds	Air transport and over land	Local human population, livestock and wildlife: Perivale Village and School, Nature Reserve, Football Ground, Sports Ground, Police Station, Canal and Footpath	1	2	2 L	Waste segregation, processing and transfer activities carried out within an enclosed building • Waste handled by the site is construction and demolition wastes, occasional paint/oily rags so will not attract scavenging animals • Low volume hazardous waste streams stored in dedicated building in sealed containers • Housekeeping procedures will ensure litter is cleared frequently, so scavenging animals and birds will not be attracted to the site • Pest control contract in place	1	1	1 L	
8	Acceptance of waste, storage, processing and transfer activities	Harm to human health, nuisance, loss of amenity	Pests (e.g. flies)	Air transport and over land	Local human population, livestock and wildlife: Perivale Village and School, Nature Reserve, Football Ground, Sports Ground, Police Station, Canal and Footpath	1	2	2 L	Waste segregation, processing and transfer activities carried out within an enclosed building • Low volume hazardous waste streams stored in dedicated building in sealed containers • Building doors kept closed at all times other than when vehicle access and egress is required • Waste stored outside kept within containers, bays or baled • Waste residence times minimised as far as possible • Waste handled by the site is construction and demolition wastes, occasional paint/oily rags so will not attract scavenging animals • Housekeeping procedures will ensure litter is cleared frequently, so scavenging animals and birds will not be attracted to the site • Pest control contract in place	1	1	1 L	
9	Operation of waste transfer facility	Waste washing off site leading to contamination of sensitive receptors e.g. gardens / natural habitats	Flooding of site	Flood waters	Local human population, livestock and wildlife: Perivale Village and School, Nature Reserve, Football Ground, Sports Ground, Police Station, Canal and Footpath; All surface waters close to and downstream of site: River Brent	1	2	2 L	Waste segregation, processing and transfer activities carried out within an enclosed building so would not come into contact with flood waters • Site not within a flood plain • Good housekeeping standard maintained, ensuring limited litter/waste outside the building • Site surfaced with impermeable hardstanding to provide mitigation of pollution potential • Appropriate drainage in place on the site • Building doors kept closed at all times other than when vehicle access and egress is required • Waste stored outside kept within containers, bays or baled	1	1	1 L	
10	Acceptance of waste, storage, processing and transfer activities	Bodily injury	All on-site hazards: wastes; machinery and vehicles.	Direct physical contact	Site personnel, and local human population and/or livestock after gaining unauthorised access to the site	2	3	6 M	Good housekeeping, limiting exposure to hazards • Manual handling aids in place for site personnel • Provision of PPE to staff including appropriate safety boots and gloves • Site bounded by steel fencing, and secure lockable gates • Use of CCTV • Safe Systems of Work in place • Training provided to all staff and site supervision of permitted activities, e.g. use of banksman • Traffic management plan in place, including dedicated pedestrian access and egress routes • No unauthorised or unaccompanied access allowed	1	2	2 L	
11	Potential arson or vandalism of site	Respiratory irritation, illness and nuisance to local population. Injury to staff, firefighters or arsonists/vandals. Pollution of water or land.	Arson and / or vandalism causing the release of polluting materials to air (smoke or fumes), water or land.	Air transport of smoke. Spillages and contaminated firewater by direct run-off from site and via surface water drains and ditches.	Local human population, livestock and wildlife: Perivale Village and School, Nature Reserve, Football Ground, Sports Ground, Police Station, Canal and Footpath; All surface waters close to and downstream of site: River Brent	2	3	6 M	Access to waste and the site is restricted • Waste is not burned on site • Main waste types not combustible • Fire fighting equipment installed on site, including extinguishers, fire hoses, water cannons, water sprinklers • Fire marshals appointed and trained from site staff, and security/staff on site at all times • Rainwater harvesting for damping down, water kept in 2 x 30,000 litre tanks • Interceptor can be shut off to prevent release of contaminated firewater to sewer • Site layout designed so as to allow fire engine access • Site bounded by steel palisade fencing, and secure lockable gates • Use of CCTV • Waste stored outside kept within containers, bays or baled • Fire Prevention Plan in place	1	2	2 L	
12	All site activities	Respiratory irritation, illness and nuisance to local population. Injury to staff or firefighters. Pollution of water or land.	Accidental fire causing the release of polluting materials to air (smoke or fumes), water or land.	As above	Local human population, livestock and wildlife: Perivale Village and School, Nature Reserve, Football Ground, Sports Ground, Police Station, Canal and Footpath	2	3	6 M	Access to waste and the site is restricted • Waste is not burned on site • Main waste types not combustible • Fire fighting equipment installed on site, including extinguishers, fire hoses, water cannons, water sprinklers • Fire marshals appointed and trained from site staff, and security/staff on site at all times • Rainwater harvesting for damping down, water to be kept in large tank. Should be able to fight fire for 90 mins • Interceptor can be shut off to prevent release of contaminated firewater to sewer • Site layout designed so as to allow fire engine access • Site bounded by steel palisade fencing, and secure lockable gates • Use of CCTV • Waste stored outside kept within containers, bays or baled • Fire Prevention Plan in place • Heat sensing camera in place within the building	1	2	2 L	
13	Storage of waste and raw materials	Acute effects: oxygen depletion, fish kill and algal blooms	Spillage of liquids, leachate from waste, contaminated rainwater run-off from waste containing suspended solids.	Direct run-off from site across ground surface, via surface water drains, ditches etc	All surface waters close to and downstream of site: River Brent	2	2	4 M	Waste activities carried out within an enclosed building so no leachate will be generated • Waste accepted will comprise solid construction and demolition wastes • Low volume hazardous waste streams stored in dedicated building in sealed containers • Fuel stored on site in a bunded tank and subjected to regular inspection and maintenance, bunds emptied regularly to retain capacity • Fuel delivery procedures in place • Sight level gauge on fuel tank • Waste stored outside kept within containers, bays or baled • Surface water run-off collected in sealed drainage system and directed to foul sewer via an interceptor	1	1	1 L	
14	Acceptance of waste, storage, processing and transfer activities	Chronic effects: deterioration of water quality	Spillage of liquids, leachate from waste, contaminated rainwater run-off from waste containing suspended solids.	As above. Indirect run off via the soil layer	All surface waters close to and downstream of site: River Brent	2	2	4 M	Waste activities carried out within an enclosed building so no leachate will be generated • Waste accepted will comprise solid construction and demolition wastes • Low volume hazardous waste streams stored in dedicated building in sealed containers • Fuel stored on site in a bunded tank and subjected to regular inspection and maintenance, bunds emptied regularly to retain capacity • Fuel delivery procedures in place • Sight level gauge on fuel tank • Site resurfaced with impermeable hardstanding to provide mitigation of pollution potential • Appropriate drainage in place on the site, including oil/water interceptor • Waste stored outside kept within containers, bays or baled • Surface water run-off collected in sealed drainage system and directed to foul sewer via an interceptor	1	1	1 L	
15	Acceptance of waste, storage, processing and transfer activities	Chronic effects: contamination of groundwater, requiring treatment of water or closure of local licenced groundwater abstraction borehole, harm to human/animal health, skin damage or gastro-intestinal illness	Spillage of liquids, leachate from waste, contaminated rainwater run-off from waste containing suspended solids.	Transport through soil/groundwater then extraction at borehole, leading to direct contact or ingestion	Groundwater and local human/animal population: Perivale Village and School, Nature Reserve, Football Ground, Sports Ground, Police Station, Canal and Footpath	1	3	3 L	Waste activities carried out within an enclosed building so no leachate will be generated • Waste accepted will comprise solid construction and demolition wastes • Fuel stored on site in a bunded tank and subjected to regular inspection and maintenance, bunds emptied regularly to retain capacity • Fuel delivery procedures in place • Sight level gauge on fuel tank • Site surfaced with impermeable hardstanding to provide mitigation of pollution potential • Appropriate drainage in place on the site, via interceptor to foul sewer under consent • Activities shall not be carried out within 50m of an abstraction well used for the supply of water for human consumption • Waste stored outside kept within containers, bays or baled	1	2	2 L	
16	Storage and use of chemicals	Harm to protected site through toxic contamination, nutrient enrichment, smothering, disturbance, predation etc.	Spillage of chemicals	Direct run-off from site leading to contamination of surface water, infiltration into land/groundwater	Protected sites - European sites and SSSIs	2	2	4 M	Site accepts mainly construction and demolition wastes • Low volume hazardous waste streams stored in dedicated building in sealed containers • Activities will not be carried out within 500 m of a European Site or SSSI. (Distance criteria as agreed with Natural England/Countryside Council for Wales) • Pollution control measures in place as identified above, e.g. bunded tanks, drip trays • Waste stored outside kept within containers, bays or baled	2	1	2 L	

Likelihood:

- 1 - Unlikely to occur during the activity. Not heard of in industry
- 2 - Has an increased possibility of the risk occurring, known/has occurred in industry
- 3 - High likelihood of the risk occurring. Occurs frequently in industry

Consequences:

- 1 - Low environmental/H&S consequences e.g. low volumes of non-hazardous material released
- 2 - Increased environmental/H&S consequences e.g. higher volumes of material released
- 3 - Significant environmental/H&S consequences e.g. unabated volumes of toxic material released

Potential Risk and Rating:

- 1-3 Low - Complete Further Action if Required
- 4-6 Moderate - Take actions to further reduce risk
- 7-9 High - Stop - Review additional controls to reduce risk