	Data and	information			Judger	nent		Action (by permitting)	
Receptor	Source	Harm	Pathway	Probability of exposure	Consequence	Magnitude of risk	Justification for magnitude	Risk management	Residual risk
What is at risk? What do I wish to protect?	agent or process	What are the harmful consequences if things go wrong?		_	How severe will the consequences be if this occurs?		judgement?	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 human population	particulate matter (dusts) and	Harm to human health - respiratory irritation and illness.	Air transport then inhalation.	Medium	Medium	Medium	living or working close to the site (apart from the operator and employees)	Prevailing wind direction is south west predominantly throughout the year. Reduces probability of exposure to sensitive receptors as majority of receptors are to the east of the site. Delay of decanting waste from vessels/tankers when very windy and follow dust emissions management plan. The site is not located within an AQMA designated for PM10.	Low

Local human	As above	Nuisance - dust	Air transport	Medium	Low	Low	Local residents often	Prevailing wind	Low
population		on cars, clothing					sensitive to dust.	direction is south	
ľ .		etc.	deposition				Majority of waste is	west predominantly	
							stored inside buildings-	throughout the year.	
							Units 1-4. The waste	Reduces probability	
							stored outside is	of exposure to	
							undercover surrounded	identified sensitive	
							on three sides by a	receptors. Delay	
							waterproof cover, fencing	decanting of material	
							and buildings. There is	when very windy and	
							potential for increased	follow dust emissions	
							dust generation from the	management plan.	
								The site is not located	
							one container to another	within an AQMA	
							during prolonged dry	designated for PM10.	
							periods e.g. summer		
							months and windy		
							weather.		
Local human	Litter	Nuisance, loss	Air transport	Medium	Medium	Medium	Local residents often	Appropriate	Very low
population,		of amenity and	then				sensitive to litter.	measures could	,
livestock and		harm to animal	deposition					include clearing litter	
wildlife.		health						arising from the	
								activities from	
								affected areas	
								outside the site.	
								Permitted waste	
								types have low litter	
								potential. Daily	
								checks on site.	

Local human	Waste, litter	Nuisance, loss	Vehicles	Medium	Medium	Medium	Road safety, local	As above.	Low
population	and mud on	of amenity, road	entering and				residents often sensitive	Appropriate	
	local roads	traffic accidents.	leaving site.				to mud on roads.	measures could	
								include clearing	
								waste, litter and mud	
								arising from the	
								activities from	
								affected areas	
								outside the site.	
								Permitted waste	
								types have low litter	
								potential. Daily	
								checks on site.	
Local human	Odour	Nuisance, loss	Air transport	Medium	Medium	Medium	Local residents often	Located within	Low
population		of amenity	then				sensitive to odour.	industrial estate,	
			inhalation.					residential areas are	
								not in close proximity	
								to the site. Controlled	
								by waste acceptance	
								procedures, checks	
								for odour. Prevailing	
								wind is SW	
								predominantly	
								throughout the year	
								so reduces the	
								probability of	
								exposure to sensitive	
								receptors which are	
								not located SW to the	
								site.	

Local human population	Noise and vibration	Nuisance, loss of amenity, loss of sleep.	Noise through the air and vibration through the ground.	Medium	Medium	Medium	Local residents often sensitive to noise and vibration.	Appropriate measures include storage of majority of the waste in cladded buildings. Vehicle movements closely monitored. Site working hours during daytime only.	Low
Local human population	animals and	Harm to human health - from waste carried off site and faeces. Nuisance and loss of amenity.	Air transport and over land	Medium	Medium	Medium	Permitted wastes is unlikely to attract scavenging animals and birds. Majority of waste is inorganic.	Access to waste restricted, waste stored in bags on site. Controlled by waste acceptance procedures and visual daily checks. Quarterly checks by independent pest control, onsite drains not connected to main sewers so less pathways for vermin.	Very low
Local human population	Pests (e.g. flies)	Harm to human health, nuisance, loss of amenity	Air transport and over land	Medium	Medium	Medium	Permitted wastes is unlikely to attract Insect pests.	As above.	Low

Local human	Flooding of	If waste is	Flood	Low	High	Medium	Permitted waste types	Management system	Very low
population and	site	washed off site it	waters				include hazardous	identifies and	
local		may					wastes, so any waste	minimises the risk of	
environment		contaminate					washed off site will add to	pollution including	
		buildings /					the volume and hazard of	those arising from	
		gardens / natural					the local post-flood clean	operations,	
		habitats					up workload.	maintenance,	
		downstream.						accidents, incidents,	
								non-conformances.	
								Flood risk	
								assessment identifies	
								flooding on site as	
								very low. Majority of	
								waste including	
								hazardous waste	
								stored inside	
								buildings.	

Local human	All on-site	Bodily injury	Direct	Medium	Medium	Medium	Although permitted waste	Activities shall be	Low
population and		Bodily Illijary	physical	Wicaldill	Wiodiaiii	Mediam		managed and	2011
/ or livestock	wastes;		contact					operated in	
			Contact						
after gaining	machinery						<u> </u>	accordance with the	
unauthorised	and							management system	
access to the	vehicles.							(will include site	
waste								security measures to	
operation								prevent unauthorised	
								access). Access to	
								waste restricted with	
								the majority of waste	
								stored inside	
								buildings. Contained	
								drains, designated	
								fire resistant	
								storage bays, no	
								smoking on site,	
								entire site is floored in	
								concrete,	
								compatibility test prior	
								to mixing,	
								vehicle daily checks	
								and cleaning, vast	
								majority of waste is	
								inorganic, fire	
								extinguishers.	
								exiliguistiets.	

Local human population and local environment.	vandalism causing the release of polluting materials to air (smoke	irritation, illness and nuisance to	Air transport of smoke. Spillages and contaminate d firewater by direct run- off from site and via surface water drains and ditches.		Medium	Medium	Although permitted waste types include hazardous wastes a medium magnitude risk is estimated.	As above.	Low
Local human population and local environment	fire causing the release of polluting materials to air (smoke	Respiratory irritation, illness and nuisance to local population. Injury to staff or firefighters. Pollution of water or land.	As above.	Low	Medium	Medium	Risk of accidental combustion of waste is low due to nature of waste. Waste is inorganic.	As above.	Low

All surface waters close to and downstream of site.	liquids, leachate from waste,	Acute effects: oxygen depletion, fish kill and algal blooms	Direct run- off from site across ground surface, via surface water drains, ditches etc.	Medium	High	Medium	include sludges e.g. groundwater remediation although in low volumes so a medium magnitude risk is estimated. There is potential for contaminated rainwater run-off from wastes stored outside buildings especially during heavy	with appropriate measures: storage & treatment on hard standing with	Low
All surface waters close to and downstream of site.	As above	Chronic effects: deterioration of water quality	As above. Indirect run- off via the soil layer	Medium	High	High	As above. Some permitted wastes are hazardous so harm may not be temporary and reversible.	As above.	Low
Abstraction from watercourse downstream of facility (for agricultural or potable use).	As above	Acute effects, closure of abstraction intakes.	Direct run- off from site across ground surface, via surface water drains, ditches etc. then abstraction.	Medium	High	High	As above. Watercourse must have medium / high flow for abstraction to be permitted, which will dilute contaminated runoff.	As above.	Low

Groundwater	As above	Chronic effects: contamination of groundwater, requiring treatment of water or closure of borehole.	Transport through soil/ground water then extraction at borehole.	Medium	High	As above, excluding comments about watercourses.	As above.	Low
Protected site - SSSI	Any	Harm to protected site through toxic contamination, nutrient enrichment, smothering, disturbance, predation etc.	Any	Low	Medium		SSSI located 1.9km south from the site. Site has contained drains with interceptors for any potential contaminated run-off.	Low
All surface waters close to and downstream of site.	Serious Fire	Loss of amenity, deterioration of water quality	Direct run off of fire water across site to surface waters.	Low	High	pa linked to waste activities. In event of fire, fire water can be produced for days/ weeks. Contaminated firewater run-off can kill fish and aquatic life.	Site has a Fire Prevention Plan. Contained drains, designated fire resistant storage bays, no smoking on site, entire site is floored in concrete, compatibility test prior to mixing, vehicle daily checks and cleaning, vast majority of waste is inorganic, fire extinguishers, emergency management plan.	Low