Source	Pathway	Receptor	Harm	Likelihood	Consequence	Magnitude of Risk	Justification of Magnitude	Risk Management	Residual Risk
Release of particulate matter (dusts) and micro-organisms (bio aerosols)	Atmosphere and then inhalation	Local human population & Site staff	Harm to human health (respiratory irritation and illness)	High	High	Medium	Permitted wastes do not include wastes that solely consist of dusts, powders or loose fibres Processing of waste wood has the potential to cause dust	Regular maintenance of all hardstanding All loads of waste entering and exiting the site will be sheeted or otherwise contained Shredders only operate at slow and medium speed to prevent release of dust New equipment is enclosed including: Enclosed transfer conveyors. Enclosed ballistic chute around hammer mill. Enclosed deck screen. Enclosed / sealed plant to plant transfers conveyor to deck screen. Enclosed fines discharge with extended chute minimising drop height. Micro netting in place. Mist cannons and rain guns operating around site. Speed restrictions on site	Low

Source	Pathway	Receptor	Harm	Likelihood	Consequence	Magnitude of Risk	Justification of Magnitude	Risk Management	Residual Risk
								All waste to be stored within bays or on hardstanding Visual inspection of dust levels on a daily basis Loading of vehicles carried out within shelter	
Release of particulate matter (dusts) and micro-organisms (bio aerosols)	Atmosphere and then deposition	Local human population	Nuisance –dust on cars, clothing etc.	Medium	Medium	Low	As above	As above	Low
Release of particulate matter (dusts) and micro-organisms (bio aerosols)	Atmosphere and then deposition	Ecological receptors	Deposition	Low	Medium	Low	The closest ecological receptor is the Mersey Estuary Ramsar / SSSI / SPA approximately 350m to the east.	As above	Low

Source	Pathway	Receptor	Harm	Likelihood	Consequence	Magnitude of Risk	Justification of Magnitude	Risk Management	Residual Risk
Release of litter	Atmosphere and then deposition	Local human population and livestock	Nuisances, loss of amenity and harm to animal health	Low	Medium	Medium	Local residents are often sensitive to litter	Regular maintenance of perimeter fencing All loads of waste entering and exiting the site will be sheeted or otherwise contained Nature of shred material is unlikely to contain wind blown litter There is no change to the type of input material accepted as part of the 'Phase 3' application Plastic material removed from the picking line will be stored in enclosed/sheeted containers to prevent being blown off of site Visual inspection of boundary on a daily basis Visual inspection of dust levels on a daily basis Implement litter picking duties as necessary	Low
Mud on Roads	Vehicles leaving site	Local human population and livestock	Nuisances, loss of amenity and	Medium	Medium	Medium	Local residents are often sensitive to mud on roads.	Regular maintenance of all hardstanding	Low

Source	Pathway	Receptor	Harm	Likelihood	Consequence	Magnitude of Risk	Justification of Magnitude	Risk Management	Residual Risk
			road traffic accidents				Road Safety	All loads of waste entering and exiting the site will be sheeted or otherwise contained There is no change to the type of input material accepted as part of the 'Phase 3' application Speed restrictions on site All waste to be stored on hardstanding or in bays Use of mechanical road sweeper as necessary.	
Odour	Atmosphere and then inhalation	Local human population	Nuisances, loss of amenity	Medium	Medium	Medium	Local residents are often sensitive to odour	Material being processed at the site is not odorous in nature The application does not seek to add any odorous waste codes. Removal of wastes from site as soon as practicable to prevent accumulation	Very Low
Noise and vibrations	Atmosphere and ground for vibrations	Local human population	Nuisances, loss of amenity	Medium	Medium	Medium	Local residents are often sensitive to noise	All waste wood to be processed using slow and medium speed shredder New hammer mill, screen and associated	Low

Source	Pathway	Receptor	Harm	Likelihood	Consequence	Magnitude of Risk	Justification of Magnitude	Risk Management	Residual Risk
								conveyors are electrically driven and enclosed No increase in operational hours as part of 'Phase 3' application Waste types are not intrinsically noisy when being moved. Loading carried out within shelter limits noise exposure Wood only processed during normal working hours Speed limits for vehicles Regular maintenance of hardstanding to prevent uneven surfaces All plant and machinery to be maintained in accordance with manufacturers specifications	

Source	Pathway	Receptor	Harm	Likelihood	Consequence	Magnitude of Risk	Justification of Magnitude	Risk Management	Residual Risk
Animals, Pests and insects	Atmosphere and land	Local human population	Nuisances, loss of amenity, harm to heath	Medium	Medium	Medium	Permitted wastes may attract scavenging animals Insects may arrive in waste load and multiply during favourable conditions i.e. summer months	Nature of waste wood does not attract scavenging animals as no putrescible element present There is no change to the type of input material accepted as part of the 'Phase 3' application Waste to be removed on a high turnaround Specialist contractor employed	Very Low
Spillage of leachate from waste, contaminated rainwater run-off	Direct runoff from site across ground surface via surface water drains	Surface water	Contamination of surface water	Low	Medium	Medium	Site is not located in a flood risk area	Concrete hardstanding All run off drains to storage basin prior to sewer discharge There is no change to the drainage system as part of the 'Phase 3' application Regular inspection of drainage system Regular maintenance of drainage system	Low

Source	Pathway	Receptor	Harm	Likelihood	Consequence	Magnitude of Risk	Justification of Magnitude	Risk Management	Residual Risk
		Groundwater	Contamination of grounde water	Low	Medium	Medium	Site is not located within a groundwater source protection zone	As Above	Low