

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 Moving 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 Waste piles will be damped down as required Speed restrictions on site All waste to be stored on hardstanding Visual inspection of dust levels on a daily basis	Low

Source	Pathway	Receptor	Harm	Likelihood	Consequence	Magnitude of Risk	Justification of Magnitude	Risk Management	Residual Risk
	Atmosphere	Habitats – Severn Estuary SSSI, RAMSAR)	<p>Damage to sensitive ecosystems.</p> <p>Harm to foraging birds from dust deposition on food sources.</p> <p>Harm to aquaculture within the Severn Estuary from deposition.</p>	Medium	High	Low	Permitted wastes do not include wastes that solely consist of dusts, powders or loose fibres	<p>Regular maintenance of all hardstanding</p> <p>All loads of waste entering and exiting the site will be sheeted or otherwise contained</p> <p>No treatment of waste will take place on the site</p> <p>Wood piles will be damped down as required to prevent release of wind blown dust</p> <p>Movement of waste is kept to a minimum. Once waste is formed into a pile it is only moved when ready for loading directly on to a vessel for export</p> <p>Speed restrictions on site</p> <p>All waste to be stored on hardstanding</p> <p>Visual inspection of dust levels on a daily</p>	Low

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 deposition	Local human population	Nuisance – dust on cars, clothing etc.	Medium	Medium	Low	As above	<p>Regular maintenance of all hardstanding</p> <p>All loads of waste entering and exiting the site will be sheeted or otherwise contained</p> <p>No treatment of waste will take place on the site</p> <p>Wood piles will be damped down as required to prevent release of wind blown dust</p> <p>Movement of waste is kept to a minimum. Once waste is formed into a pile it is only moved when ready for loading directly on to a vessel for export</p> <p>Speed restrictions on site</p> <p>All waste to be stored on hardstanding</p> <p>Visual inspection of dust levels on a daily</p>	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, livestock and Local Wildlife	Nuisances, loss of amenity and harm to animal health	Low	Medium	Medium	Local residents are often sensitive to litter	<p>All loads of waste entering and exiting the site will be sheeted or otherwise contained</p> <p>Nature of shred material is unlikely to contain wind blown litter</p> <p>Visual inspection of boundary on a daily basis</p> <p>Visual inspection of dust levels on a daily basis</p> <p>Implement litter picking duties as necessary</p>	Low
Mud on Roads	Vehicles leaving site	Local human population and livestock	Nuisances, loss of amenity and road traffic accidents	Medium	Medium	Medium	<p>Local residents are often sensitive to mud on roads.</p> <p>Road Safety</p>	<p>Regular maintenance of all hardstanding</p> <p>The existing port has a well established roadway within it and access direct from main transport routes</p> <p>All loads of waste entering and exiting the site will be sheeted or otherwise contained</p> <p>Speed restrictions on site</p>	Low

Source	Pathway	Receptor	Harm	Likelihood	Consequence	Magnitude of Risk	Justification of Magnitude	Risk Management	Residual Risk
								All waste to be stored on hardstanding 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 stored at the site is not odorous in nature 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	Site is only operational 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	Low

Environmental Risk Assessment

Avonmouth Dock
Wood Transfer Station

Source	Pathway	Receptor	Harm	Likelihood	Consequence	Magnitude of Risk	Justification of Magnitude	Risk Management	Residual Risk
	Atmosphere and ground for vibrations	Local Wildlife	Disruption to nesting	Medium	High	Medium	Noise and vibration can disturb the nesting patterns of birds	Site is only operational 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	Low
Animals, Pests and insects	Atmosphere and land	Local human population	Nuisances, loss of amenity, harm to health	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 Specialist contractor employed	Very Low

Source	Pathway	Receptor	Harm	Likelihood	Consequence	Magnitude of Risk	Justification of Magnitude	Risk Management	Residual Risk
Spillage of leachate from waste, contaminated rainwater run-off, oil leaks from mobile plant	Direct runoff from site across ground surface via surface water drains	Surface water		Low	Medium	Medium	Site is not located in a flood risk area	Concrete hardstanding All waste is stored within a bunded area All run off drains to foul sewer Regular inspection of drainage system Regular maintenance of drainage system Plant is maintained in line with manufacturer recommendations with regular service intervals Vehicles are inspected on a daily basis any leaks reported and repaired Spill kits available within the plant for preventing oil/fluid release	Low
		Groundwater		Low	Medium	Medium	Site is not located within a groundwater source protection zone	As Above	Low

