

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)	Low	High	Medium	Permitted wastes do not include wastes that solely consist of dusts, powders or loose fibres All waste treatment within a vessel	Regular maintenance of all hardstanding Waste associated with this process will be contained within sealed containers. Speed restrictions on site Waste to be stored and processed within a vessel Visual inspection of dust levels on a daily basis The prevailing wind is from the west/south west. The Cannock Extension Canal SAC is located at least 3,275m to the north west. This habitat would not be impacted by dust given the direction of the prevailing winds and its distance away from the site, as well at the type of operation.	Very Low
	Atmosphere and then deposition	Local human population	Nuisance – dust on cars, clothing etc.	Low	Medium	Low	As above	As above	Very Low
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 Waste associated with this process will be contained within sealed containers. Waste to be stored and processed within a vessel Visual inspection of litter levels on a daily basis Implement litter picking duties as necessary The prevailing wind is from the west/south west. The Cannock Extension Canal SAC is located at least 3,275m to the north west. This habitat would not be impacted by litter given the direction of the prevailing winds and its distance away from the site, as well at the type of operation.	Very Low

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Mud on Roads	Vehicles leaving site	Local human population and livestock	Nuisances, loss of amenity and road traffic accidents	Low	Medium	Medium	Local residents are often sensitive to mud on roads Road Safety	Regular maintenance of all hardstanding Waste associated with this process will be contained within sealed containers. Speed restrictions on site Waste to be stored and processed within a vessel No amenity impact on the Cannock Extension Canal SAC located at least 3,275m to the north west, given the distance from the site and the sealed road network adjacent to the site.	Very Low
Odour	Atmosphere and then inhalation	Local human population	Nuisances, loss of amenity	Low	Medium	Medium	Local residents are often sensitive to odour	Process of wastes at site as soon as practicable to prevent accumulation Input waste associated with this process will be contained within sealed containers. Odour monitoring No odour impact on the Cannock Extension Canal SAC located at least 3,275m to the north west, given the distance from the site and the type of operation.	Low
Noise and vibrations	Atmosphere and ground for vibrations	Local human population	Nuisances, loss of amenity	Low	Medium	Medium	Local residents are often sensitive to noise	Input waste to be processed within a vessel Speed limits for vehicles Regular maintenance of hardstanding to prevent uneven surfaces All plant and machinery to be maintained in accordance with manufacturers specifications No amenity impact on the Cannock Extension Canal SAC located at least 3,275m to the north west, given the distance from the site and the type of operation.	Low

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Animals, Pests and insects	Atmosphere and land	Local human population	Nuisances, loss of amenity, harm to health	Low	Medium	Medium	Permitted wastes may attract scavenging animals  Insects may arrive in waste load and multiply during favourable conditions i.e. summer months	Permitted wastes unlikely to attract scavenging animals or insects  Input waste to be stored and processed within a vessel  Waste to be processed on a high turnaround  No pest impact on the Cannock Extension Canal SAC located at least 3,275m to the north west, given the distance from the site and the type of operation.	Very Low
Spillage of leachate from waste, contaminated rainwater run-off	Direct runoff from site across ground surface via surface water drains	Surface water	Environmental Harm	Low	Medium	Medium	Site is not located in a flood risk area	Waste to be stored and processed within a vessel with its own bund and drainage.  Existing concrete hardstanding outside the tank bund to be sealed and linked to the Treatment Plant.  Drainage system to be designed to accommodate all eventualities, eg tank failure  Regular inspection of drainage system  Regular maintenance of drainage system  No direct surface water pathway to the Cannock Extension Canal SAC located at least 3,275m to the north west. Therefore no impact given the distance from the site and the type of operation. Also taking into account the sealed nature of the site and sewer connection.	Low
		Groundwater	Environmental Harm	Low	Medium	Medium	Site is not located within a groundwater source protection zone	Waste to be stored and processed within a vessel with its own bund and drainage.  Existing concrete hardstanding outside the tank bund to be sealed and linked to the Treatment Plant.  Drainage system to be designed to accommodate all eventualities, eg tank failure	Low

Source	Pathway	Receptor	Harm	Likelihood	Consequence	Magnitude of Risk	Justification of Magnitude	Risk Management	Residual Risk
								Regular inspection of drainage system Regular maintenance of drainage system Routine Monitoring of the groundwater via a series of boreholes.  No direct groundwater pathway to the Cannock Extension Canal SAC located at least 3,275m to the north west. Therefore no impact given the distance from the site and the type of operation. Also taking into account the sealed nature of the site and sewer connection.	