

Document Reference Part C2 6

Environmental Risk Assessment

What do you do that can harm and what could be harmed			Managing the risk	Assessing the Risk		
Hazard	Receptor	Pathway	Risk Management	Probability of exposure	Consequence	What is the overall risk?
What has the potential to cause harm?	What is at risk? What do I wish to protect?	How can the hazard get to the receptor?	What measures will you take to reduce the risk? If it occurs - who is responsible?	How likely is this contact and reasoning behind?	What is the harm that can be caused?	What is the risk that still remains? The balance of probability and consequence
Spillage from delivery vehicle/ Contaminated runoff waters from waste delivery	Land, groundwater, surface waters	Direct runoff from site, infiltration to ground water through soil	<p>Vehicles delivering waste are covered and waste is discharged within impermeable reception bay. The reception bay(s) benefits from a sealed drainage system; any leaks would be captured within the sealed drainage system.</p> <p>Drainage on the concrete apron is directed back to the process.</p>	<p>Very unlikely</p> <p>Whilst it is feasible that delivery vehicles could leak, the site has been engineered to include sealed drainage for the discharge of materials. In addition, management systems/procedures including spillage response plans are available.</p>	Contamination of land and surface waters	Not significant (low)

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Mud/litter from additional waste deliveries	Local amenity	Air: Windblown Land	<p>The road to the site is concrete and will be inspected and maintained to ensure vehicles do not carry mud onto the highway.</p> <p>Litter arising from the waste delivered is negligible as all waste is delivered in sealed or covered vehicles to prevent windblown material.</p> <p>All waste received on impermeable waste bays and processed in an enclosed process room.</p>	<p>Very Unlikely</p> <p>Regular checks are carried out to ensure to ensure site and process areas are free from mud and litter</p>	Nuisance	Insignificant (very low)
Odour from transport of added waste types	The amenity of local residents	Air	Liquid wastes will be delivered to site in enclosed containers and discharged directly into enclosed tanks. Solid wastes will be delivered in sealed or covered containers in accordance with duty of care regulations,	Unlikely – duty of care for transportation of waste	Nuisance	Not significant – low.
Odour from waste acceptance	The amenity of local residents	Air	Waste received on waste bays is processed without delay to avoid further	Very unlikely.	Nuisance	Not significant – low.

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and delivery of added waste types			degradation which would result in odours. Waste will be processed on a first in first out basis – incoming waste will be managed such that it is processed into process tanks to reduce the odour build up on reception bays.			
Gas release into air	Gas release from CHPs	Air	Gas produced from the process is transferred in air-tight pipe work into a gas bag on top of the Secondary digester prior to being processed in the CHP. An emergency flare is available for the rare occasions when the CHP is down e.g. for maintenance. Annual air monitoring is undertaken as per schedule 3 of the site Permit.	Very unlikely	Air pollution	Not significant – low.