

Environmental risk assessment for Creeting Compost Site

Version	Review by	Comments	Date of Review	Next Review Due if no change in process
1	Donelle Fitzpatrick	First revision	21/04/2023	20/04/2024

H-high  
M-medium  
L-low



No	Identify Hazard	Risk to Health/Environment	Likelihood	Severity	Outcome	Control Measures
1	Hazardous substances incorrectly stored	Spillages to ground or surface water.	L	H	M	Hazardous substances such as oils and lubricants will be safely stored on drip trays in locked containers to reduce the risk of pollution to the environment.
2	Dust/ Fumes from product	Can cause nuisance to public and breathing in dust/fumes can trigger an allergic reaction and have short to long term effects on health such as asthma or bronchitis.	L	M	M	Reduce dust on site by maintaining correct moisture levels during the process. Dampen down site access roads to reduce dust clouds being emitted from site.
3	Fire on site	Irritation from smoke to public.	L	H	M	Fire risk assessment and fire prevention plan in place. Fire brigade aware of proecures on a composting site, windrows are monitored daily for increasing temperatures. Adequate gaps between windrows, no long term stockpiling of finished product or oversize on site to reduce the risk of combustion.
4	Bioaerosols	Breathing in organic dust/particulates containing moulds and spores can trigger an allergic reaction in some people and could result in short to long term ill health. Once sensitised, further exposure to even small amounts can trigger the allergy	L	M	L	Maintain correct moisture levels. Follow Bioaerosol Action Plan. Carry out bioaerosol monitoring in line with M9 Technical Guidance. Do not perform more than two activities that cause dust or bioaerosols on site at any one time. Ensure the odour suppression system is running.
5	Waste, litter and mud on public roads	Creating unsafe and slippery roads to the public.	L	M	L	All waste delivered to site is covered. Any compost leaving site is levelled to prevent spillages. Wind blown waste will be litter picked around the area of the site, if needed sweepers will be used. Wheel washing when necessary.
6	Odour	Odour travels through the air and can be inhaled causing nuisance to local sensitive receptors.	M	L	M	Odour management plan is in place. Regular weather and wind checks undertaken and operations will be stopped if wind is blowing towards sensitive receptors and an odour has been detected during sniff testing. Odour suppression system will be run during working hours. Storage and composting of waste will follow PAS100, BAT and permit conditions to prevent odour.

7	Noise and vibration	Noise travels through the air and vibration through the ground, potential to cause nuisance and lack of sleep to public.	L	M	M	Noise and vibration management plan in place. Concrete noise attenuation screen erected behind the shredder to prevent excess noise. Emissions shall be free from noise and vibration at levels likely to cause pollution.
8	Pests - birds and scavengers	Animals and birds may be attracted to the site and local areas causing nuisance to the public. Potential to harm human health from waste faeces.	M	L	L	Waste will only be accepted where there is capacity to process it. Waste will be inspected on arrival for signs of contamination or infestation and will be rejected and removed from site accordingly. All composting batches undergo sanitisation. Pest control procedures will be followed and fully documented.
9	Pests - flies	Flies may be attracted to the site and local areas causing nuisance to the public. Potential to harm human health from waste faeces.	M	L	L	Waste will only be accepted where there is capacity to process it. Waste will be inspected on arrival for signs of infestation and will be rejected and removed from site accordingly. All composting batches undergo sanitisation to minimise pupa formation. Fly spraying will be introduced if flies become evident.
10	Risk of pollution	Litter can travel through the air or be deposited onto land causing nuisance and harm to animal health.	L	L	L	Litter is removed from waste on arrival following pre acceptance procedures, heavily contaminated waste will be rejected and removed from site. Any skips with non conforming waste will be covered and removed from site weekly. Windrows on site are picked for any wind blown litter and the direct area around site is also picked to remove any contamination.
11	Risk to protected sites	SSSI within 800m, Creeping St Mary Pits. Potential to cause nuisance and odour.	L	L	L	Odour management plan and the noise and vibration plan are in place and followed fully.