

H1 ENVIRONMENTAL RISK ASSESSMENT

PART A: AMENITY AND ACCIDENTS

ODOUR

Hazard	Receptor	Pathway	Risk Management	Probability of Exposure	Consequence	Overall Risk
Odour from waste	Neighbouring parties <50m away	Air	Only non-biodegradable wastes accepted.	Not very probable	Odour annoyance	Not significant

NOISE & VIBRATION

Hazard	Receptor	Pathway	Risk Management	Probability of Exposure	Consequence	Overall Risk
Engine noise from plant and vehicle movements	Neighbouring parties <50m away	Air	Speed limit enforced for vehicles on site. Vehicle movements limited by operating hours. Maintenance of plant.	Not very probable	Noise annoyance	Not significant
Noise of waste movements by plant and vehicles	Neighbouring parties <50m away	Air	Speed limit enforced for vehicles on site. Vehicle movements limited by operating hours. Maintenance of plant.	Not very probable	Noise annoyance	Not significant
Noise from reverse warnings	Neighbouring parties <50m away	Air	Speed limit enforced for vehicles on site. Vehicle movements limited by operating hours.	Not very probable	Noise annoyance	Not significant
Noise from waste operations, i.e. screening	Neighbouring parties <50m away	Air	Operations limited by operating hours. Maintenance of plant. Plant used in designated areas away from receptors.	Not very probable	Noise annoyance	Not significant
Vibration from plant and vehicle movements	Neighbouring parties <50m away	Ground	Speed limit enforced for vehicles on site. Vehicle movements limited by operating hours. Maintenance of plant.	Not very probable	Vibration annoyance	Not significant

FUGITIVE EMISSIONS

Hazard	Receptor	Pathway	Risk Management	Probability of Exposure	Consequence	Overall Risk
Dust from waste treatment i.e. screening	Neighbouring parties <50m away	Air	Visual inspection - site manually checked daily or when deemed necessary in dry/windy conditions. Entries in site diary. Use of dust suppression. Ability to cease operations if conditions prevail.	Probable	Dust nuisance	Not significant if managed carefully
Dust from stored waste	Neighbouring parties <50m away	Air	Visual inspection - site manually checked daily or when deemed necessary in dry/windy conditions. Entries in site diary. Use of dust suppression. Ability to cease operations if conditions prevail.	Probable	Dust nuisance	Not significant if managed carefully
Litter from waste storage and/or treatment	Neighbouring parties <50m away	Air	Only non-biodegradable wastes accepted. Visual inspection - site manually checked daily or when deemed necessary in dry/windy conditions. Entries in site diary. Use of dust suppression. Ability to cease operations if conditions prevail.	Not very probable	Litter nuisance	Not significant
Litter from vehicle movements	Neighbouring parties <50m away	Air	Only non-biodegradable wastes accepted. Screens to be lowered on vehicles entering/leaving site if necessary. Visual inspection - manual checking of each vehicle.	Not very probable	Litter nuisance	Not significant
Pests from waste storage	Neighbouring parties <50m away	Ground	Only non-biodegradable wastes accepted. Visual inspection - individual loads manually checked. Entries in site diary. Waste storage limited by permit. Pest control if necessary.	Not very probable	Pest nuisance	Not significant
Runoff from site operations	Local watercourses	Site drainage	Visual inspection - site manually checked daily or when deemed necessary. Entries in site diary.	Not very probable	Pollution of controlled waters	Very insignificant

ACCIDENTS

Hazard	Receptor	Pathway	Risk Management	Probability of Exposure	Consequence	Overall Risk
Leak from onsite oil storage	Local watercourses, groundwater	Site drainage	Staff trained to react. Spillage procedure in EMS to be followed.	Not very probable	Pollution of controlled waters	Very insignificant
Fire in waste materials	Neighbouring parties <50m away. Local watercourses,	Air, drainage system	Only non-combustible wastes accepted. Staff trained to react. Fire procedure in EMS to be followed.	Not very probable	Pollution to air Pollution to controlled waters	Not significant

FLOODING

Hazard	Receptor	Pathway	Risk Management	Probability of Exposure	Consequence	Overall Risk
Natural flooding of site	Neighbouring parties <50m away. Local watercourses,	Site drainage	Site is not in any flood plain and not near any significant watercourses. Site is on higher ground than the surrounding landscape.	Not very probable	Damage to neighbouring parties	Very insignificant

PROTECTED AREAS

Hazard	Receptor	Pathway	Risk Management	Probability of Exposure	Consequence	Overall Risk
Damage to protected areas	SSSI <500 metres away. A small wooded area	Air, drainage system	SSSI over 400 metres away, emissions are limited by permit conditions including restricted annual throughput. Similar operations already taking place with no adverse affect.	Not very probable	Damage to protected areas	Very insignificant

PLEASE NOTE: This document is to be used in conjunction with the full written Environmental Management System and procedures.