



SITE SPECIFIC RISK ASSESSMENT

MATERIALS RECYCLING FACILITY (MRF)



BLACKPITS FARM, WELSH LANE, HELMDON,
NORTHAMPTONSHIRE, NN13 5QD



DIAL-A-BIN LTD

NOVEMBER 2020

Site Specific Risk Assessment v1 – GPP DAB SSRA

Hazard	Receptor	Pathway	Risk Management Techniques	Probability of Exposure	Consequence	Overall Risk
Release of particulate matter (dust)	Local human population, disused railway (SSSI) and/or local flora and fauna	Air transport then inhalation or deposition	Visual dust monitoring is undertaken daily by the Site Manager. Activities on site will be stopped if necessary. Water is used to dampen down waste stockpiles and yard when required. Permitted waste types do not include dusts, powders or loose fibres.	Medium	Harm to human health – respiratory irritation and/or illness Ecological impacts on the disused railway (SSSI) and/or local flora and fauna.	Low
Noise and vibration	Local human population including residential properties approx. 320m and 390m to the north-west and north-east of the site	Noise through the air and vibration through the ground	Plant and equipment will be serviced in accordance with the manufacturer’s specifications. Processing includes hand sorting and screening only. There is no crushing on the site.	Low	Nuisance and loss of amenity	Low

Litter	Local human population and wildlife (including the disused railway (SSSI) and/or protected habitats)	Air transport then deposition	Site benefits from suitable boundary treatments e.g. screening bund and litter fence. Litter picking undertaken by site personnel as and when required.	Low	Nuisance, loss of amenity and/or ecological impacts	Very low
Waste, litter and/or mud on local roads	Local human population	Vehicles entering and leaving the site	Site benefits from concrete/hardstanding throughout. Waste material delivered to site in covered skips. Brush and hose available to clean wheels if necessary. long concrete haul road prior to joining the public highway.	Low	Nuisance, loss of amenity, road traffic accidents	Very low
Flooding – both to and from the site	Local human population and local environment	Flood waters	Site benefits from a surface water drainage system whereby surface water is discharged off site via an interceptor and attenuation pond/lagoon at a controlled and agreed	Low	If waste is washed off site it may contaminate land, buildings, watercourses and/or natural habitats	Very low

			rate. Surface water discharge valve can be closed by site personnel if and when required.			
All on site hazards: wastes; machinery and vehicles	Local human population after gaining unauthorised access to the waste operation	Direct physical contact	Operational areas of the site are manned throughout the day, Monday to Saturday. Machinery/vehicle operators are suitably trained. Unauthorised access will be challenged by site personnel. Site is suitably secured when not in use e.g. Christmas Day.	Low	Bodily injury	Very Low
Arson and/or vandalism including accidental fires causing the release of polluting materials to air (smoke or fumes), water or land	Local human population (nearest residential receptors approx. 320m and 390m to the north-west and north-east) and local environment including the disused railway	Air transport of smoke. Spillages and contaminated firewater by direct run-off from site and via surface water drains and ditches	Operational areas of the site are manned throughout the day, Monday to Saturday. Machinery/vehicle operators are suitably trained. Unauthorised access will be challenged by site personnel. Site is suitably secured when	Medium	Respiratory irritation, illness and nuisance to local population Injury to staff, firefighters or arsonists/vandals	Low

	(SSSI) and protected habitats		not in use e.g. Christmas Day. Spill kits available on site and staff trained in use. Surface water discharge valve on the perimeter of the site can be closed by site personnel and/or Fire & Rescue Service if required.		Pollution of water or land including ecological impacts	
Spillage of liquids and/or contaminated rainwater run-off from waste	All surface waters close to and downstream of the site	Direct run-off from site across ground surface, via surface water drains, ditches etc.	Operational areas of the site are hard surfaced. Surface water is discharged off site via an interceptor. Surface water discharge valve can be closed by site personnel if required. Spill kits available on site and staff trained in use.	Low	Acute effects: Oxygen depletion, kill fish and algae blooms Chronic effects: deterioration of water quality	Very low
Spillage of liquids and/or contaminated rainwater run-off from waste	Groundwater	Transport through soil to groundwater below	As above.	Low	Chronic effects: Contamination of groundwater, requiring treatment of water	Very low

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