

Recycling Equipment UK Ltd.

Site Specific Risk Assessment / Environmental Risk Assessment.

The proposed waste transfer station is within the relevant distance of the designated site (SSSI) thus the application is for a Bespoke Permit. An important fact is that between the proposed site and the boundary of the Designated Site is the A484 with its substantial commercial traffic and the main Paddington / Fishguard railway line also with high levels of commercial, domestic transport movements including hazardous materials e.g oils and fuels.

Plan GS/1 shows the relative locations of these transport routes to the proposed waste transfer station.

The waste to be accepted at the proposed facility are listed in Document GS12, all of which with the exception of bonded asbestos are non-hazardous in character.

Waste acceptance at the facility is strictly controlled by examination of documentation (Duty of Care and Consignment Notes) and visual examination of the waste consignment on arrival and also when deposited inside the waste transfer station building.

Waste is deposited inside the transfer station building on the reinforced concrete floor which ensures that there is no possibility of any part of the waste, although planned to be solid, from percolating into the sub floor groundwater.

Any run-off from waste inside the building is directed via gulleys and drains into the adjacent 1,500 litre underground tank whose content is checked weekly and when its capacity is reached at 75% (1,000 litres), the liquid will be removed to a suitably permitted treatment facility thus preventing any polluted groundwater from having a negative impact on the designated site.

Precipitation on to the building roof or on to external impermeable areas is either stored in water butts (from the building roof) for re-use or directed via the surface water drainage system into existing siltation ponds with the de-silted water then directed via the existing drainage system into an adjacent water course at a discharge consented location.

These controls ensure that the waste received, examined and segregated within the waste transfer station building or stored in the external concrete bays have no adverse effect on the designated area by pollution of groundwater.

Inert Waste, post segregation, is stored externally and an identifiable hazard is dust generated by vehicle / plant movement or high winds which needs to be controlled in order that dust created and carried toward the designated area or adjoining land.

The control exercised is to treat the dust source by application of fine water spray applied by mobile water bowser. This fine water spray is retained by the inert waste / dust as designed by the spraying activity.

On site fire, although not likely to have a direct effect on the designated area is subject to the risk management procedure which is contained in the Fire Prevention and Risk Management Plan (GS/fire prev/doc 15)

The above matters are also described briefly in the Risk Assessment Chart RA GSdoc5 which is considered to be an useful reference document and as part of an on site staff / operative training programme.

Risk Assessment -Recycling Equipment UK Ltd Re RA GS doc10

Waste Form & Type	Associated Hazards	Potential Receptor / pathway	Risk Management	Residual Risk
Non-haz. solid	Dust	Human health. Airborne	Application of fine water spray. external storage All sorting of waste delivered sorted inside building	Low.
	Surface Water	Groundwater pollution	Run off from inside building stored in sealed drainage. Roof run off collected in water butts - Re-used.	Very low
	Precipitation	Groundwater	Run off from outside storage directed to existing siltation ponds	Low
		Groundwater	Hardstanding run off to natural soakaway.	Low
	Noise	No adjacent residential dwelling	All mechanical plant / vehicles noise suppressed and regularly maintained.	Very Low
	Odour	No odour emission	Non-Acceptable waste stored in enclosed Isolation container	Very Low
	Mud/ Debris / Litter	Loss of Amenity	Daily Inspection with immediate clearing.	Very Low
	Pests	Harm to Human Health Loss of Amenity	Regular site inspection for Infestation. Bait boxes.	Very Low
	Fire	Smoke and Pollution	Apply emergency fire procedures	Very Low
Haz. Solid				
Bonded Asbestos	Asbestos Fibres	Serious harm to human health	Handling bonded asbestos as described in ems.	Low