

**Recycling Equipment UK Ltd**

**Fire Prevention & Mitigation Plan – Waste.**

This document follows the content of the Natural Resources Wales Fire prevention and mitigation plan guidance – Waste, as far as the content of the guidance is relevant to the particular application.

In preparing this Fire Prevention and Mitigation Plan, it is relevant to be aware that the primary waste types to be imported into the waste facility are those in the category of inert waste e.g. concrete, bricks, tiles and ceramics, glass, soil and stones etc. the only exception being small quantities of bonded asbestos and tyres.

As the sources of wastes include construction and demolition waste it is reasonable to expect this category to include wood, plastic, paper and cardboard, whole tyres all as scheduled in the document GS doc12 – Proposed Waste Accepted.

Waste delivered to the site is checked for compliance with the waste permitted schedule as contained in the site permit and subject to the Duty of Care documents which show the waste type ( EWC code) , source, quantity, date of arrival etc. As well as checking the waste on arrival, further checks will be carried out when the waste consignment is tipped inside the waste transfer station building.

Acceptable waste is then sorted / segregated into various waste types prior to being removed to specific storage areas / locations.

Storage provisions will include external storage bays on impermeable Concrete Floor with Reinforced Concrete separating walls where wood, glass, plastic will be stored, paper and cardboard will be baled and stored inside a curtain sided trailer parked at least 3 metres away from any combustible material source.

Tyres will be stored in steel skips on an impermeable surface also at least 3 metres from any combustible source.

WEEE will be stored in a covered skip on an impermeable surface as required under the terms of the site permit.

Metal will be stored in steel container on an impermeable surface.

The maximum period of storage of recoverable / recyclable waste will depend on the demand for recyclable waste but is likely not to exceed 3 months.

Bonded Asbestos will be stored in an enclosed skip / container to maximum quantity of 10 tonnes at any one time as in the terms of the site permit.

Secure storage area is shown on Plan GS2a.

**Fire prevention & mitigation plan**

An emergency fire procedure plan will form part of an employee training programme and a copy will be clearly displayed at appropriate locations on site ( copy of document ref GS doc 16 attached)

Although the site has no convenient fire hydrant, there is a 5,000 litre capacity mobile water tanker on site at all times.

The annual throughput of the site is estimated to be 3,000 tonnes, the majority is expected to be inert waste which equates to 100 tonnes per week ( maximum).

Except for Bonded Asbestos which is usually imported in separate containers, other waste is normally imported as mixed waste and therefore even providing an estimate of daily input of each waste type would be a "guess at best".

The waste storage of each category is shown on plan ref GS/2a

The site plan shows vehicle access routes, impermeable surface and hardstandings.

Surface water is drained into the nearby existing siltation ponds with a final surface water discharge in accordance with an existing discharge consent. An existing foul sewer is shown on plan ref GS/1 – Area Plan but there is no site connection into that sewer.

### Fire Prevention

There are no operations which are to be carried out at the facility which are such that combustion can be produced within 6 metres of combustible / flammable materials.

Signs advising all employees and visitors of fire prevention requirements e.g. no smoking signs and requirements to seek direction from management if equipment e.g. welding is proposed, in order that fire prevention instructions are followed.

Site security is included in the site Environmental Management System which includes daily site inspection and CCTV which controls any possible actions which may result in fire on site. Any instance which is observed which appears to have security implications is recorded in the site log / diary.

Fire extinguishers are placed at strategic locations on site with clear signs of their specific use and maintenance records.

### Self Combustion.

Clear instructions that no self combustible waste is to be stored on site for longer than 3 months e.g. paper / card and whole tyres. Regular checks on storage duration are to be carried out and recorded for monitoring.

"Piles" of waste identified in the guidance notes are limited to inert waste on the application site, post sorting, which ensures that there is no danger of self combustion.

### NOTE.

Consideration has been given to all aspects of the contents of the guidance notes as they may not apply to the waste types contained in the application and the treatment / sorting proposed.