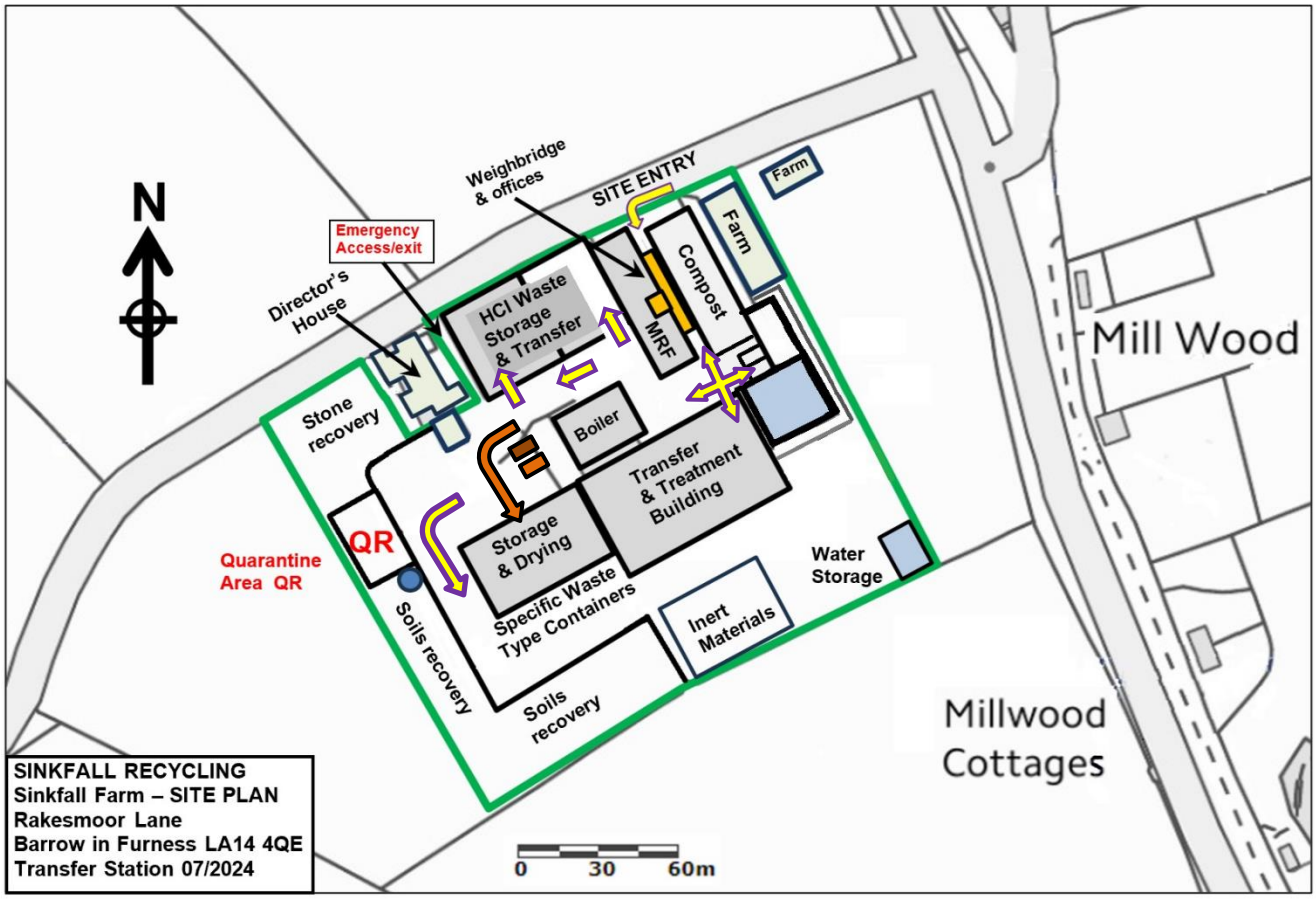
11 – SITE WASTE FLOWS - Sinkfall Recycling July 2024 **Contact: D Baldwin Recogen 07785 352993**

The Site Plan shows how the 'central' yard provides a hub from which wastes directly move to selected transfer or treatment area. Fig

This is efficient and provides the flow of material into and then out of each building depending on the type of material. It also means that the majority of the materials treatments are within one area.

The soils and aggregates are external activities and these are kept to the perimeter of the site; so as not to impinge on other activities or interrupt traffic flow.

Fig 5c- 1 Waste Flows Diagram, showing the 'central' hub from which wastes flow within the site..

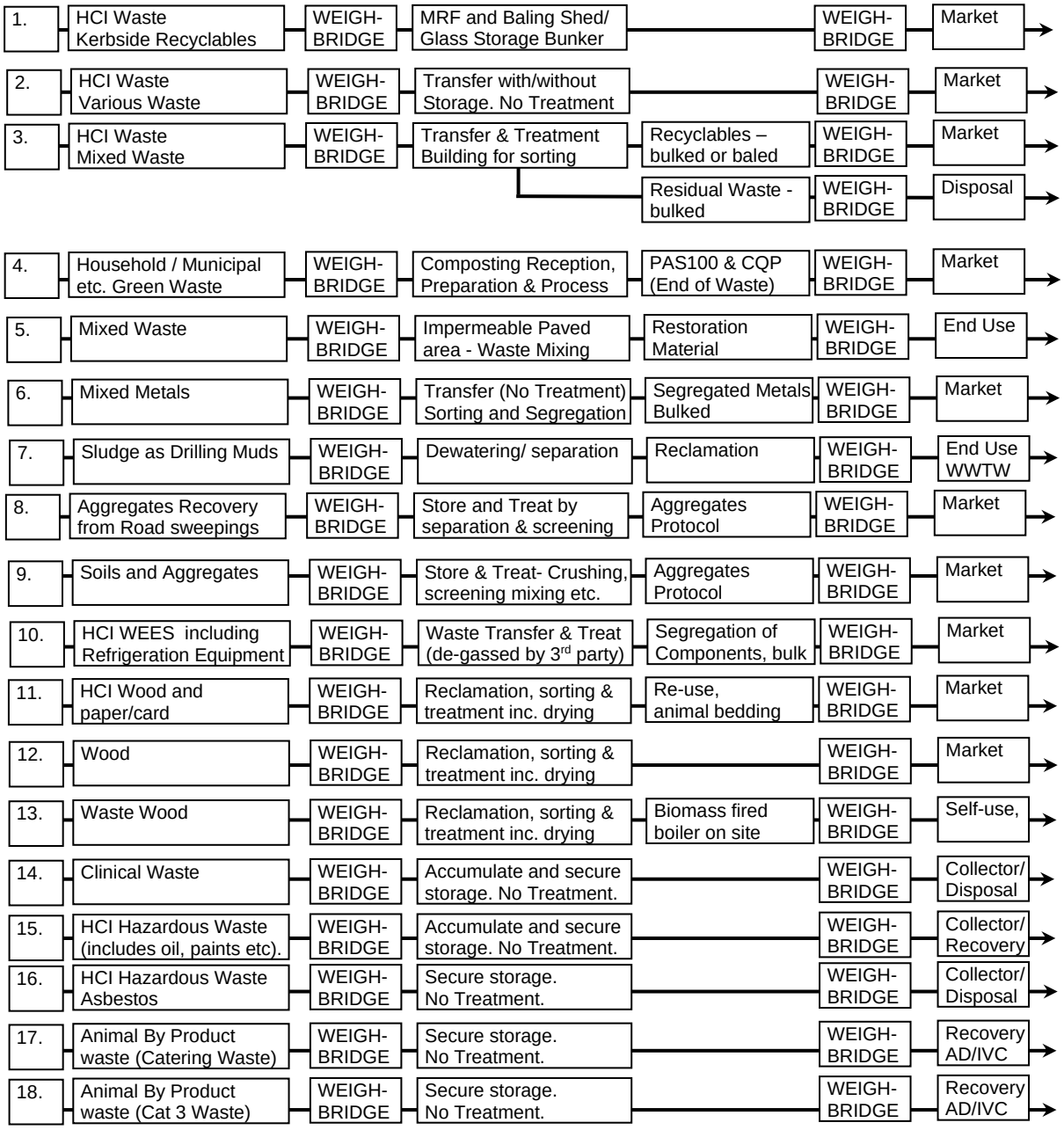


Waste Flows

- Waste Movements are minimised by the site entailing a central open yard area (hub) with activities and storage areas, (except soils) surrounding the central hub.
- Materials for sorting and short term storage are held in the northern Household, Commercial and Industrial Transfer Station area.
- Materials for sorting short term storage and treatment are held in the new Household, Commercial and Industrial Transfer and Treatment Building.
- The storage of Wood is near to where it is offloaded and sorted, and then storage is near to the point of use (boiler building).
- Metals storage is in the northern Transfer area; this material is moved to the sister site for the Metals Recycling activity.
- Quality stone is kept separated and stored nearer to the house.

- Soils and aggregates that are bulky, and formed as large volume stockpiles can be processed quickly, but are stored at the periphery of the site for ease of access and so that these do not form a blockage or hindrance to the movement of more technical materials that need to be stored on paved areas.
- A series of waste containers is available on the southern side of the drying building, for safe, secure, dry and pest-proofed containerised storage of materials such as plasterboard, asbestos, clinical waste, food-waste, chemicals, batteries and hazardous wastes. These materials are not for treatment, and storage is only in small quantities.
- The QUARANTINE Area [labelled QR] is located for ease of access for depositing hot materials, and for fire-suppression. It is in an open area away from buildings. It has a drainage system for fire-water recovery. Lorries or trailers parked in this area can be readily relocated in the event of the quarantine area being required.

Fig. 5c- 2 Waste Flows Schematic, showing the pathways of the wastes through the Sinkfall site.



Note: Some of the above 'process schematics' are grouped within the Permit, under headings such as: Waste Transfer, Waste Treatment, Aggregates etc. Similarly, there will be sub-processes entailing the sorting and segregation of materials that then follow a parallel route similar that described.
All wastes, on their inward route or outward route, are weighed and recorded at the weighbridge.