

**Waste Planning Guidance**

**Waste and Recycling Storage and Collection Provision Requirements**

Making Bath & North East Somerset ***the***

place to live, work and visit

**Introduction**

This guidance has been developed to help ensure new properties in Bath & North East Somerset are provided with the necessary storage, segregation and collection space for the inevitable waste and recycling produced by new homeowners.

It is recommended that this guidance is referred to at the earliest stage of building design. Adequate storage areas for waste management facilities and good access for collection crews is essential and can be difficult to retrofit, and remain in keeping with the development, at later stages in the design process.

The guidance provides the following advice: -

* Checklist of key requirements
* Summary of waste and recycling collection services in B&NES
* Container dimensions
* Collection vehicle sizes
* Contact details for further advice

**Checklist of Key Requirements**

The following checklist is designed to outline the general requirements for waste and recycling provision which should be considered when planning a new residential and/or commercial development.

|  |  |  |
| --- | --- | --- |
| **Access** |  | **✓** |
| Clearly demonstrate that there is adequate access and turning circle space for a refuse collection vehicle (RCV)  *\*street sweeping vehicles are of similar size to RCVs* | Distance of 18.3 to 21.1m is required between the kerbs.  RCV size = 3.8m height, 10m length, 2.5m width.  Fully laden weigh approx. 26tonnes  Overhead cables, archways etc. must be at least 5m from ground |  |
| RCVs must not be expected to reverse into / or back out of a development onto major roads. | Maximum reversing distance of 10m is generally considered safe within a development |  |
| **Individual properties (townhouses, family homes)** |  | **✓** |
| Indication of the external waste and recycling storage area per property | Located within the boundary of the property.  Provide equivalent space for 330L of waste: 140L storage of refuse (in a wheeled bin); 188L for recycling (3 boxes and food waste caddy). |  |
| Indication of the internal space to segregate and store waste and recycling. | 13 different types of materials collected for recycling. |  |
| Identification of the collection point per property | Front edge of property kerbside to the adopted highway, in line with collection policy. |  |
| Identification of the route from the storage area to the collection point, including an indication of the distance |  |  |
| **Residential flats, apartments** |  | **✓** |
| Requirement to provide the following capacity for households: - 70L waste per week and at least 55L recycling per week.  *Therefore waste: 30 flats = 2100L bin capacity per week & need 2 x 1100L bins plus 1 x Mini Recycling Centre*  **Bulk bins for waste are not supplied by the Council.** | Bulk waste bin dimensions (mm) – 1375 width, 1000 depth, 1470 height (2470 lid open)  Recycling bin dimensions (mm):-  6 x 240L bin =750w, 620d, 1100h (1750 lid open); + 1 x 1100L bin for card |  |
| Plan of the bin storage area with containers drawn in situ, to show that sufficient room has been allowed to manoeuvre each container around. | Residents must not be required to travel more than 30m to bin stores.  Should be well lit, ventilated |  |
| Clearly identified collection point | Crews must not be required to manoeuvre bins more than 12m to highway. |  |
| Route to collection point and indication of the distance between storage area and collection point (only applicable where the bin store is not also the collection point) | Dropped kerb access at highway point, ground level / no steps, max 1:12 slope, any walkway / path is hard-standing (not gravel) and has max width of 1.3m. |  |
| Indication of lighting, drainage and ventilation provisions (where required) on plans for bin storage areas. | Hard standing, ground level, 1.1m door width. No gravel.  Screened and landscaped, where feasible |  |
| **Student blocks** – as above with the below amended capacity provision |  | **✓** |
| Requirement to provide the following capacity for student blocks: - 70L waste per week per 6 students, and at least 55L recycling per week.  Therefore waste: 160 students = 1870L capacity per week need 2 x 1100L bins plus 1 x Mini Recycling Centre  *Where a greater capacity is anticipated, provision must be made within bin areas for additional bins,* | Bulk waste bin dimensions (mm) – 1375 width, 1000 depth, 1470 height (2470 lid open)  Recycling bin dimensions (mm):-  6 x 240L bin =750w, 620d, 1100h (1750 lid open); + 1 x 1100L bin for card |  |
| **Commercial developments** |  | **✓** |
| Indication of the waste storage area per premises | Allow storage area for sufficient number of bulk bins for waste dependant on size/type business, and allow space for segregation of recycling.  All above bin store points apply. |  |
| Identification of the collection point per property | Dropped kerb access at highway point, ground level / no steps, max 1:12 slope, any walkway / path has max width of 1.3m. |  |
| **Mixed-use developments** |  | **✓** |
| All of the information required for the sections above on residential and commercial developments; identification of items for residential and commercial developments should be differentiated by colour coding | Residential and commercial waste must be stored separately, using different bin areas. |  |

**Collection services in B&NES**

Please note that three separate collection vehicles are used to provide householders with the following collection services on the same day of the week.

1. **Refuse collection** – every other week collection from front edge of the property, where the property boundary meets the highway. A 140L wheeled bin will be provided from the autumn of 2017 (a small number of larger wheeled bins will be provided for those who qualify).
2. **Recycling Collection**– weekly service from the front edge of the property, all individual dwellings are provided with the following:-
   * + *Green boxes (55L)* for the collection of paper, glass bottles and jars, a range of household plastic bottles and packaging, food / drink cans, batteries, clothes and shoes, aluminium foil, engine oil and filters, spectacles, mobile phones, printer and toner cartridges.
     + *Food waste bin (23L)* and kitchen caddy (5L) for the collection of food waste. The resident is provided with a 5 litre kitchen caddy for internal storage and a lockable 23 litre outside container which the food waste is collected from.
3. **Garden Waste Collection**– fortnightly (chargeable) service from either a 240L wheelie bin or Council pre-paid paper sacks.

For multiple occupancy properties (flats) with communal bin stores, a site visit by a member of the waste operations team would be required before collections could start. In general the following arrangements are put in place where appropriate:

**Communal refuse** – weekly collection from bulk bins (1100L) which would need to be purchased by the management company.

**Recycling -** Mini Recycling Centres (MRCs) are installed which consist of 6 x 240L wheelie for glass, paper, plastics and cans, and if sufficient space, 1 x 1100L bin for cardboard. These bins are provided by the Council.

**Container dimensions**

|  |  |  |  |
| --- | --- | --- | --- |
| **Container** | **Dimensions (mm)** | **Floor Space req. (mm)** | **Example Image** |
| **55 litre recycling box** | Width – 590  Depth – 395  Height – 375 | 600 x 405 |  |
| **23 litre**  **food waste outside**  **container** | Width – 320  Depth – 345  Height – 405  Height with lid open - 760 | 330 x 355 |  |
| **5 litre**  **food waste kitchen caddy** | Width – 270  Depth – 205  Height - 205 | These are likely to be kept in a kitchen cupboard or on a worktop |
| **140 litre wheeled bin** | Width – 560  Depth – 480  Height – 1100 | 600 x 600 |  |
| **240 litre wheeled bin** | Width – 750  Depth – 620  Height – 1100  Height with lid open – 1750 | 950 x 820 |  |
| **360 litre wheeled bin** | Width – 620  Depth – 860  Height – 1100  Height with lid open – 1750 | 820 x 1060 |  |
| **1100 litre wheeled bin** | Width – 1375  Depth – 1000  Height – 1470  Height with lid open - 2470 | 1575 x 1200 |  |

**Mini Recycling Centre (MRC) – design layout**



**Collection Vehicle Dimensions**

The vehicles described below are based on the waste collection vehicles used by Bath and North East Somerset Council. Our street sweeping vehicles and recycling trucks are no larger than the below.

Sufficient room should be allowed to manoeuvre and load a vehicle of the following dimensions:

* + Length – 10,225mm
  + Width – 2,900mm
  + Height – 3,400mm
  + Turning circle, between kerbs – 18.3m to 21.1m

Fully laden collection vehicles weigh approximately 26 tonnes, service manholes and road surfaces should be constructed with this in mind.

Full vehicle tracking is required for review as part of the planning process to assess accessibility for refuse vehicles, and other heavy goods service vehicles. A refuse vehicle is comparable in size to a fire engine.

Turning circle space should not mount kerbs, grass or encroach on parking spaces within a development.

Overhead service cables, pipes, archways and other potential obstacles must be at least 5m from ground level.

Collection vehicles must not be required to reverse into developments from a major road, or reverse onto a major road when exiting the development. A maximum reversing distance of 10m is generally considered safe within a development, although we try to limit the amount of reversing the collection vehicles undertake for obvious health and safety reasons.

**Contact for further advice**

It is recommended that contact is made with the waste services team as soon as practical to discuss, when in the planning stages of a new development. Regrettably we have on occasion had to decline requests for collections (from management companies) where new developments have inadequate vehicle access to safely perform collections. Retrofitting waste solutions once built can be difficult and spoil the aesthetics of a new development.

For an initial discussion about the proposed development, to arrange a site visit with a member of the operations team, or for further advice please contact: -

Neighbourhood Environmental Services

Bath and North East Somerset Council

Lewis House

Manvers Street

Bath

BA1 1JG

Michael Robinson, Tel: 01225 39 4301

Email: michael\_robinson@bathnes.gov.uk