WASTE MANAGEMENT

GUIDANCE FOR NEW DEVELOPMENTS

WASTE STORAGE AND COLLECTION

IN NEWARK & SHERWOOD DISTRICT

NEWARK &
SHERWOOD
DISTRICT COUNCIL

PURPOSE OF THIS DOCUMENT

This guidance document in intended to aid planners and developers in providing correct waste storage and collection arrangements for residential and commercial premises.

CONTENTS

1. INTRODUCTION

1.1 Sustainable waste management as part of protecting and improving the environment is one of Newark and Sherwood District Council's 5 strategic priorities. The Authority is committed to minimising waste, maximising the reuse of materials and achieving the national targets set out for the recycling and composting of household waste.

1.2 Principal One of the Waste Strategy for Newark & Sherwood 2006-2020 is that the Council will adopt the waste hierarchy approach to waste management. This means that the Authority will strive in priority order to prevent, reduce, reuse and recycle waste in preference to simply disposing of it.

1.3 This document aims to assist all those involved in the design and management of new development. The District Council is keen to encourage developers to produce waste management strategies alongside their development proposals which best facilitate the storage of waste and maximise the amount which can be sent for recycling.

1.4 This document is part of an evolving process to develop best practice guidance for the design and management of buildings in Newark and Sherwood District and should be read within the context of other Council policies and legislation.

1.5 Guidance in this document is intended to help you to produce successful waste management strategies and will also assist you in complying with Part H6 of the Building (Amendment) Regulations 2001 (details are provided in 'Approved Document H', ISBN 978 1 85946 208, 9 May 2006 see web link: https://www.planningportal.co.uk/applications/building-control-applications/building-control/approved-documents.

1.6 It is important to note that the District Council has adopted a policy to no longer provide wheeled bins for new residential developments free of charge but to request that developers provide such bins as part of their development.

2. INTERNAL SEGREGATION AND STORAGE OF WASTE

2.1 To encourage occupants to recycle waste, internal storage areas should be designed into each unit of a new development. This will enable occupants to segregate their waste into refuse and recyclables and store it temporarily until it can be transferred to external bins.

3. HOUSING DEVELOPMENTS

3.1 Containers required for storage of waste

Waste Type	Refuse	Dry Recyclables	Garden Waste
Container Type	Wheeled Bin	Wheeled Bin	Wheeled Bin
Capacity	140 – 360 litres (Standard = 240l)	140 – 360 litres (Standard = 240l)	240 litres

The dimensions for the above containers can be found in Appendix A.

3.2 The standard issue to each household is a 240 litre green bin wheeled bin for household waste (with households of 2 or fewer residents being offered a 140 litre bin, and households with more than five residents being offered a 360 litre bin) and a 250 litre 'silver' wheeled bin for dry recyclables. It must be noted however that pending changes to national policy may affect the volume and/or numbers of wheeled bins required on site and this should be taken into account when considering the sizes of bins. As a default we would recommend space I provided for 1 refuse bin and 2 recycling bins. In addition if there is a garden provided with the property an additional space should be provided for garden recycling collection bringing the total to 4.

3.3 Storage areas for containers

3.3.1 The containers described above should be accommodated within the boundary of each property.

3.3.2 Containers should have designated storage areas which are sensitively located and designed.

3.3.3 Container storage areas should be in a position that makes it convenient for the householder to present them to the curtilage of their property or agreed presentation point for collection.

3.4 Container collection

3.4.1 Householders are required to present their bins to the front boundary ('curtilage') of their property or agreed presentation point by 6.00am on collection day and return them to the storage area as soon as possible following collection.

3.4.2 The collection vehicles used by Newark and Sherwood District Council are described in Appendix B. New developments and their access roads should be designed to accommodate these vehicles.

4. APARTMENT DEVELOPMENTS

4.1 Newark and Sherwood District Council currently supplies five different types of containers for the storage and removal of domestic waste. These are:

1100 litre wheeled bin
660 litre wheeled bin
360 litre wheeled bin
240 litre wheeled bin
140 litre wheeled bin

It should be noted that equal volume of containers will normally be required for the storage and removal of domestic and recyclable waste, **but that *every household will require an individual bin for their recycling (see 3.2 above)*** while large waste bins may be shared between households. Recycling bins should be identifiable to the property they serve, ideally due to their position and proximity to the relevant premises.

4.2 Containers required for storage of waste

4.2.1 The dimensions for the containers required can be found in Appendix A.

4.2.2 There are charges for the bin supply. Wheeled bins can be purchased from the District Council or any other source provided they conform to appropriate standards and requirements. Contact details are given in Section 7.

4.2.3 The size of waste container is dependent primarily on how many people are resident in the property. When large shared waste bins are allocated, the actual number required will depend on size and type of units and anticipated occupancy.

4.3 Storage areas for containers

4.3.1 Newark and Sherwood District Council collects household residual waste and dry recyclable waste on a fortnightly basis. Bin storage areas should be designed to accommodate the waste and recycling containers. In future, the Authority will offer a garden waste collection service to some properties and so additional storage capacity may be required in due course. If further guidance is required, please contact the Waste Management section (see section 7).

4.3.2 Where appropriate, an internal access door from the residential part of the development should be provided to allow residents internal access to the storage area. This door should be connected to the residential area by a lobby, so as to prevent nuisance odours entering the residence.

4.3.3 The distance that residents will be required to travel to waste storage areas from their apartments should not exceed 30 meters in line with the Building (Amendment) Regulations 2001, Part H6.

4.3.4 Additional storage area requirements are given in Appendix C.

4.4 Container collection

Container collection requirements are given in Appendix C.

4.5 Mixed use developments

Requirements for mixed use developments are given in Appendix C.

4.6 Waste compaction

On site waste compaction is not an option for residential developments as it presents problems for collection.

5. COMMERCIAL DEVELOPMENTS

5.1 Containers required for the storage of waste

5.1.1 The volume of waste generated and thus the number and type of containers that a commercial development requires is ultimately dependent on the activity of the occupant.

5.1.2 The volume of containers provided should be maximised in order to reduce the number of collections and therefore collection vehicle traffic.

5.1.3 Envirowise is a government funded programme for UK businesses that gives advice on environmental topics including commercial waste management. Contact details for them are other useful contacts are detailed in section 7.

5.2 Storage areas for containers

Storage area requirements for commercial developments are given in Appendix C.

5.3 Container collection

Container collection requirements are given in Appendix C.

5.4 Mixed use developments

Requirements for mixed use developments are given in Appendix C.

5.5 Waste compaction

On site waste compaction is an option for commercial developments but this approach must not be discourage occupants from segregating their waste for recycling.

5.6 Food waste

5.6.1 From 1 January 2006, developments which generate food waste will have to comply with the requirements of the Animal By-products Regulations 2003.

5.6.2 The Regulations place controls on the collection, handling, transport, storage and disposal of animal by-products. This may have implications for the design of the building.

5.6.3 Further information on the Animal By-products Regulations 2003 should be sought from DEFRA – https://www.gov.uk/government/organisations/department-for-environment-food-rural-affairs

5.6.4 If you intend to make use of the Newark and Sherwood District Council's Trade Waste collection service, please contact the Sales and Education Officer on 01636 655572.

5.7 Hazardous waste

5.7.1 Since July 2004, commercial developments which generate hazardous waste will have to comply with the requirements of the Hazardous Waste (England and Wales) Regulations 2005.

5.7.2 The Regulations place control on the collection, handling, transport, storage and disposal of hazardous waste materials. This may have implications for the design of the building.

5.7.3 Further information on Hazardous Waste Regulations should be sought from the Environment Agency. Contact details can be found in section 7.

5.8 Tenant contracts

5.8.1 Clauses should be written into tenant contracts to ensure that they commit to segregating and sending their waste for recycling.

6. ROADWAY AND VEHICLE ACCESS SPECIFICATION

6.1 Road access to storage areas

6.1.1 Roads giving access to individual house or refuse storage areas should preferably be:

a) no less than 5.5 metres in width
b) have corners of 6 metres radius and be built to withstand the weight of refuse vehicles having rear axle ratings up to 19 tonnes

6.2 Turning space

6.2.1 Where turning space is required, it should be related to vehicles having:

a) a length of 11.85 metres
b) a width of 2.5 metres
c) a wheelbase of 5.8 metres
d) a turning circle of 22.07 metres

A hammerhead should, for example, preferably be not less than 17 metres across the top.

6.3 Surface requirements

6.3.1 The collector should not normally be required to wheel a container more than 10 metres to the collection vehicle. Where this involves communal containers, the paths between the container housing or chamber to the collection point should have:

a) A minimum width of 1.54 metres
b) Be free from kerbs/steps
c) Have solid foundations

d) Be suitably paved with a smooth continuous finish
e) Dropped kerbs are required where the path meets the roadway

6.4 Container siting

If containers/housings are within the prescribed distances from the public highway and providing that the number of containers to be emptied does not exceed two, collections can take place with the vehicle parked on the highway. Where the number of containers is in excess of two, to avoid the possibility of serious traffic obstruction, the vehicle must enter the private estate and the road specification as above will apply.

6.5 Reversing requirements

When reversing of the vehicle in necessary, the distance should not be more than 12 metres to a point within the prescribed carry limits. In all these cases, the road crossing the footway should be designed so that the vehicle does not encroach on the footway when reversing which is why the 6 meter radius corners are required.

6.6 Vehicle weight

The weight of a laden refuse collection vehicle of the type used can be up to 32 tonnes and as consequence, covers over manholes, gully gratings and the like, must be of a heavy duty type.

6.7 Archways

Any archway under which the refuse collection vehicle must pass should allow a minimum clearance of 4 metres and at least 2.5 metres wide.

7. CONTACTS

Newark and Sherwood District Council
Environmental Services Team
Brunel Drive Depot
Newark Industrial Estate
Newark
Notts
NG24 2EG
Telephone: 01636 650000
Fax: 01636 655653
E-mail: customerservices@newark-sherwooddc.gov.uk
Website: www.newark-sherwooddc.gov.uk

The Environment Agency
Lower Trent Area
Trentside
Scarrington Road
Nottingham
NG2 5FA
Telephone: 08708 506506
Website: www.environment-agency.gov.uk

Envirowise
Telephone: 0800 585794
Website: www.envirowise.org.uk

8. APPENDICES

APPENDIX A: CONTAINER DIMENSIONS

Container	Dimensions		Floor space required	
140 litre wheeled bin	Width	480mm	655mm x 705mm	
	Depth	555mm		
	Height	1075mm		
240 litre wheeled bin	Width	580mm	730mm x 890mm	
	Depth	740mm		
	Height	1100mm		
360 litre wheeled bin	Width	640mm	775mm x 1010mm	
	Depth	960mm		
	Height	1095mm		
660 litre wheeled bin	Width	1100mm	1415mm x 890mm	
	Depth	740mm		
	Height	1320mm		
1100 litre wheeled bin	Width	1270mm	1420mm x 1150mm	
	Depth	1000mm		
	Height	1380mm		

APPENDIX B: COLLECTION VEHICLE DIMENSIONS

The figures below are based on the vehicles used by Newark and Sherwood District Council. Sufficient room should be allowed to manoeuvre and load a vehicle of the following dimensions:

Length	11.85 m
Length when loading	13.1 m
Width	2.5 m
Width when loading	4.1 m
Height	6 m
Turning circle, between kerbs	17.88 m
Turning circle, between walls	22.07 m

Fully laden collection vehicles weigh up to 32 tonnes.

Collection vehicles should not reverse into the development from a major road or reverse on to a major road when exiting the development (https://nationalhighways.co.uk/ for the definition of a 'major road'.)

APPENDIX C: STORAGE AREAS AND CONTAINER COLLECTION FOR APARTMENT, COMMERCIAL AND MIXED USE DEVELOPMENTS

Storage areas for containers

Containers should have designed external storage areas which are sensitively located and designed.

Container storage areas should be in a position that is mutually convenient and easily accessible for the occupant and the collection crew (see container collection section below).

The design of storage areas should allow for easy, horizontal removal of the containers over smooth, continuous surfaces.

Doorways should provide at least 1.54 metres clearance (including thickness of doors).

A walkway of at least 1.54 metres wide should be provided within the store that allows access to each of the individual containers and ensures that an individual container can be removed from the store without the need to move any other containers.

Where there are separate storage areas for refuse and recycling, the recycling store should be the easiest to access (e.g. closest, least restricted access etc.)

Storage areas should be away from windows and preferably under shelter or in the shade. Enclosures should be a minimum of 2m high and permanently vented at the top and bottom.

Container collection

Two options exist for the collection of containers:

1. Containers are collected directly from the container store in line with points below
2. Containers are collected from a nearby collection point in line with the points below

It is the responsibility of the caretaker/management company (or similar) to allow the collection crews access to the container stores/collection point on collection day and to ensure that access is not restricted e.g. by parked cars.

The collection vehicle shall be able to approach to within a maximum distance of 8 meters of the bin store/agreed collection point.

The gradient of a slope that containers need to be moved over shall not exceed 1:12.

Surfaces that containers need to be moved over shall be of a smooth, continuous finish and free from steps or other obstacles. Any steps shall incorporate a drop kerb.

Following collection, containers should be returned to storage areas as promptly as possible. There should be clear responsibility for who carries out this task i.e. management company, caretaker etc. The Council will return bins to the collection point or store provided it is within 8m of the vehicle.

Mixed use developments

Separate stores for refuse and recycling containers should be provided for the commercial aspects of a development and the residential aspects. No mixing of commercial waste and residential waste is permitted.

APPENDIX D: INDICATIVE COST OF BINS

Bin Dimensions:

Bin Size	Height	Width	Depth
140 litre green residual bin	1075mm	480mm	555mm
140 litre silver recycling bin	1075mm	480mm	555mm
240 litre green residual bin	1100mm	580mm	740mm
240 litre silver recycling bin	1100mm	580mm	850mm
360 litre green residual bin	1100mm	640mm	960mm
360 litre silver recycling bin	1100mm	640mm	960mm
660 litre metal bin	1320mm	1265mm	740mm
1100 litre metal bin	1380mm	1270mm	1000mm

Size	Price
140L	£30
240L	£30
360L	£45
660L	£250
1100L	£275

VAT should be added at the standard rate.

Prices correct as of 13/11/2015

Prices may be subject to change based on variations in bin and delivery costs to the council.