

Operational Waste Management Plan

Sproughton, Courtenay Avenue



+44 (0)20 7043 0418
info@eightversa.com

Document information

Document prepared for

LOKI Architecture and Development

Date of issue

03/09/2023

Issue no.

1

Our reference

10393-Net zero mansion-Operational Waste Management Plan-2308-29- HANZ

Document prepared by

Hesham Ahmad

Quality assured by

Nicolene Van Der Zwan

Disclaimer

This report is made on behalf of Eight Versa Ltd. By receiving the report and acting on it, the client - or any third party relying on it - accepts that no individual is personally liable in contract, tort or breach of statutory duty (including negligence).

Contents:

Document information	1
Introduction.....	2
The scheme.....	3
Policy Context.....	4
Anticipated waste arisings	5
Strategies to reduce waste.....	6
Implementing these strategies will reduce the projects impact on waste process facilities.	6
Off site management.....	7
Conclusion.....	8
Appendix: Veolia the partner of Haringey borough waste recycling facility	9

Operational Waste Management Plan

Sproughton, Courtenay Avenue



+44 (0)20 7043 0418
info@eightversa.com

Introduction

This operational waste management plan (OWMP) has been produced to support the circular economy statement for Sproughton, Courtenay Avenue, London, N6 4LR. The Site is located within the administrative boundary of the London Borough of Haringey. This OWMP has been prepared to support the planning application and considers the site's waste requirements related to the operational phase. The OWMP will aim to develop a strategy for legislative compliance and good practice in the separation, storage, collection, and disposal of waste.

The report also outlines opportunities for implementing waste mitigation measures related to the potential effects arising from operational waste and ensure that the measures are consistent with both national and local waste policies and targets.

This operational waste management plan should be read in conjunction with the circular economy statement and circular economy GLA template. This plan aims to show that the development embraces circular economy principles in terms of the waste generated through the site operation.

In summary, the development has included appropriate provision of waste storage including recyclables and will encourage occupants to minimise waste. Waste storage has been sized in accordance with the local borough's standards and additional waste such as bulky waste has been accounted for. The design team is also considering strategies to minimise the projects impact on waste processing facilities by using in house food composting and using crushers to reduce volume of bulky waste like glass bottles and plastic containers.

Operational Waste Management Plan

Sproughton, Courtenay Avenue

The scheme

Description of Development

The Site is currently occupied by a 2.5 storey detached dwelling. The house consists of two volumes, with the living, recreation, accommodation, and service areas spread between the two seemingly separated buildings that are connected by a small corridor. The proposed project involves deconstruction of the existing house and development of a grand and elegant house that complements its exquisite nature and beautiful gardens widely influenced through the lens of sustainability.

The new proposal for Sproughton will accommodate eight bedrooms with ensuite bathrooms, living rooms, recreational facilities, and services areas. The first-floor plan to show the layout of bedrooms is provided below.

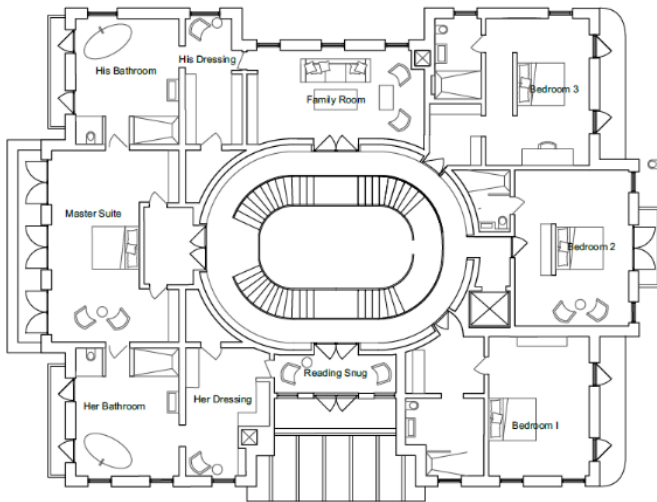


Figure 1 First floor plan of Sproughton

Operational Waste Management Plan

Sproughton, Courtenay Avenue

Policy Context

Greater London Authority Circular economy guidance

As defined by the Greater London Authority, an operational waste management plan (OWMP) should set out to document how the application supports the relevant policies within the London Plan 2021 and how it supports circular economy principles in both its construction and operation.

At planning stage, the OMPW should include.

1. A prediction of operational and municipal waste generation
2. How and where waste will be managed according to the waste hierarchy
3. Support that the development has adequate, flexible, easily accessible, and shared storage spaces and collection systems.
4. Support that the development has separate collection of dry recycling, food waste and other waste.
5. Evidence of how operational performance will be measured.
6. Evidence that community-led initiatives, smart logistics, and consolidated waste minimisation schemes have been explored.

London Plan Policy - SI 7 - Reducing waste and supporting the circular economy.

This policy requires developers to embrace circular economy principles for both the construction and operation of new developments. The following target are included in this policy.

1. Promote a circular economy.
2. Minimisation of waste through reuse, and using fewer resources in the production and distribution of products
3. Zero biodegradable and recyclable waste to Landfill by 2026
4. Meet or exceed the 65% municipal waste recycling target by 2030.
5. Meet or exceed the following targets for construction.
 - a. 95% construction and demolition waste diverted from Landfill.
 - b. 95% of excavation waste for beneficial use
6. Design with flexibility, accessibility, and at a minimum support the collection of dry recycling and food waste.

North London waste plan (Adopted by Haringey in 2022)

The 7 North London boroughs of Barnet, Camden, Enfield, Hackney, Haringey, Islington, and Waltham Forest have prepared a joint Waste Plan. It was adopted by Haringey Council on 18 July 2022. The Waste Plan identifies a range of suitable sites for the management of all North London's waste up to 2031 and includes policies and guidelines for determining planning applications for waste developments.

The Council's strategic aim is to manage waste sustainably whilst providing a customer focused waste service that is the best value service in London and to recycle a minimum of **65% of our Municipal Waste by 2030**. This aim aligns with current national and regional waste policy. Their objectives are to:

1. Ensure that the boroughs waste collection service is cost effective over the next 25 years.
2. Reduce the quantity of waste produced by the borough.
3. Dispose of zero biodegradable or recyclable waste to landfill by 2026.
4. To recycle 50% of Local Authority Collected Waste by 2025
5. To improve service performance and reduce levels of complaints.
6. To apply a sustainable/ circular approach to the management of waste
7. The North London Boroughs "Wise up to Waste" programme currently focuses on three priority areas: reducing food waste, encouraging a reduction of furniture waste by increasing re-use, and reducing textile waste (both clothing and non-clothing).

Operational Waste Management Plan

Sproughton, Courtenay Avenue

Anticipated weekly waste arising

The proposed development is a single-family detached house with 8 main bedrooms and 2 staff rooms. The house has a catering kitchen, main family kitchen and a staff kitchen area. This means limited waste will be generated from the site.

The guidance documents and standards used to calculate the expected waste volumes for the the scheme has been derived from NLWP's Guidelines and regular residential waste methodology has been applied. The standard is presented in Table 1.

Land use	Source	Weekly storage standard
Domestic	British Standard 5906:2005	Number of dwellings x (Volume arising per bedroom [70 L] x average number of bedrooms) +30)

Table 1 Waste storage standards

The development will design its waste collection servicing around the following assumptions in line with the boroughs waste guidance.

- Two 300 L black wheelie bins for general waste
- One 300 L Green lid wheelie bin for paper and other dry recyclables
- One small black (sometimes brown) food bin

This allowance is also in line with the GLA waste management in high density developments supplementary planning document. Estimated waste arisings can be seen in Table 2.

	Weekly storage volume	Bin size	No. of bins
General waste	511 L	300 L	2
Mixed recycling	219 L	300 L	1
Total	730 L	300 L	3

Table 2 Residential Waste Storage Requirements

Operational Waste Management Plan

Sproughton, Courtenay Avenue

Strategies to reduce waste

Multiple innovative technologies and strategies are being considered at this stage to increase on site waste processing. Drying of organic waste before collection, garden and food waste composting on site and reduction of bulky waste volume such as glass and plastic containers by crushing on site. Figure 2 shows the waste management hierarchy suggested by the North London waste plan 2022. Implementing these strategies will reduce the projects impact on waste process facilities.

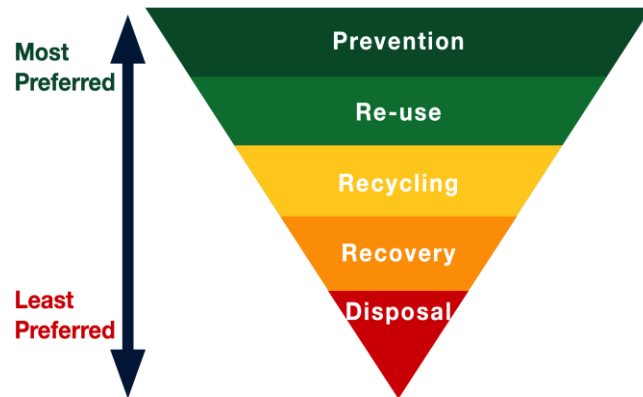


Figure 2 Waste Hierarchy

Waste type	Bin type	Items	Strategies under consideration
General waste		Clingfilm Cellophane Crisp packets Sanitary products Polystyrene	Prevention and Segregation Proper segregation will ensure that the amount of waste entering the general waste stream will be less
Recycling waste		Paper and cardboard Glass bottles and jars Food tins, drink cans and aerosols Plastic bottles Food and drink cartons (Tetra Pak) Plastic food trays and containers such as yoghurt pots	On site crushing, increased Reuse and Recycling Using crushers to reduce the volume of glass bottles and plastic container waste and increasing recycling and reuse at home
Food waste		Fruit and vegetables Meat, fish, and bones Teabags and coffee grounds Bread, pasta, and rice Eggs and dairy products Leftover food Pet food	On site composting On site composting of food waste to reduce the demand on recycling facilities and increase self sufficiency
Garden waste		Flowers and house plants Grass cuttings Hedge clippings Leaves Plants Pruning Small branches Twigs and sticks Weeds	On site composting On site composting of garden waste to reduce the demand on recycling facilities and increase self sufficiency

Figure 3 Waste reduction strategies

Operational Waste Management Plan

Sproughton, Courtenay Avenue



+44 (0)20 7043 0418
info@eightversa.com

Off site management

Servicing and collections

Residential waste will be collected in line with the boroughs waste collection schedule. Organic waste and recyclable waste will be collected weekly and general waste will be collected every two weeks. The waste collection areas and servicing routes are designed so the borough operatives can easily and accessibly transport waste from collection areas to waste collection vehicles.

Waste destinations

Veolia is the Borough of Haringey waste contractor and will collect and manage residential waste arisings from the development. Veolia collect both non-recyclable and recyclable waste and separate recyclables where they may then be transported to more specialist sites for effective recycling.

Veolia's website claims they are supporters of the circular economy and can **achieve up to 95% waste recovery rates** using state of the art waste sorting and processing techniques such as auto-adaptive sequential sorting. Recovered waste is then turned into secondary raw material of industry supporting the waste hierarchy (see **Error! Reference source not found.**) and circular economy.

Operational Waste Management Plan

Sproughton, Courtenay Avenue



+44 (0)20 7043 0418
info@eightversa.com

Conclusion

In conclusion, the operational waste management plan for Sproughton, Courtney Avenue, London aims to demonstrate the implementation of circular economy principles for the waste generated through the site operation.

The plan is aligned with the Greater London Authority's circular economy guidance and the London Plan Policy for reducing waste and supporting circular economy. The development has appropriately provisioned waste storage and will encourage occupants to minimize waste. The waste storage has been sized according to the local borough's standards, and the plan includes a provision for bulky waste. The development's waste collection service is expected to achieve a minimum of zero biodegradable and recyclable waste to landfill by 2026, in line with the London Plan Policy.

The plan aligns with Haringey's Reduction and Recycling Plan's strategic aim of managing waste sustainably, reducing waste quantity, and applying a sustainable/circular approach to the management of waste.

Operational Waste Management Plan

Sproughton, Courtenay Avenue



+44 (0)20 7043 0418
info@eightversa.com

Appendix: Veolia the partner of Haringey borough waste recycling facility

Your recycling and waste service



Working in partnership



Food Waste

Need a kitchen caddy or food waste bin?

Contact enquiries.haringey@veolia.com or
020 8885 7700 to order yours free of charge.

✓ YES PLEASE



Meat, fish
and bones



Eggs and
dairy products



Bread, pasta
and rice



Fruit and
vegetables



Tea bags and
coffee grounds



Plate
scrapings

1 Collect it in your kitchen caddy



Any bags with food waste
inside must be compostable
and show this logo.



We don't collect food waste
in plastic bags.



Collected
**EVERY
WEEK**

2

Empty it
straight into
your green
food waste bin



Garden Waste

Collected
**EVERY
WEEK**

Sign up to the
green garden
waste service

✓ YES PLEASE



Grass cuttings and
hedge clippings



Leaves and
prunings



Small branches
and flowers

✗ NO THANKS

✗ Soil
✗ Turf

✗ Plastic flower
pots and trays



You can
now pay by
Direct Debit
online

Sign up now and help keep your community green

For £75 a year – that's £1.45 a week – you will get your own
large wheeled bin for garden waste. If you feel you do not
have space for a large bin, smaller wheeled bins or
biodegradable sacks are available, both at £55 a year.

Sign up at

wasteservicesportal.veolia.co.uk/HaringeyGardenWaste or
020 8885 7700. More info at www.veolia.co.uk/haringey

Dry Recycling

Collected
EVERY WEEK

✓ YES PLEASE



Glass bottles and jars



Food tins, drink cans and aerosols



Paper and cardboard



All plastic bottles



Food and drink cartons (Tetrapaks)



Plastic containers and food trays

✗ NO THANKS

If in doubt, leave it out

- ✗ Textiles
- ✗ Wood
- ✗ Electrical items
- ✗ Food waste
- ✗ Polystyrene
- ✗ Black sacks
- ✗ Plastic wrapping, film and crisp packets
- ✗ Nappies



✗ Please don't use black sacks for recycling.



Empty, wash, recycle



General Waste

Collected
EVERY OTHER WEEK

Please put waste that can't be recycled in your black wheelie bin

✓ YES PLEASE

Bin lid closed, no waste visible



✗ NO THANKS



- ✗ No Recycling
- ✗ No Food Waste
- ✗ No Garden Waste



There is a £30 charge to replace lost, stolen or damaged bins.

We recommend you label your bin.

Quick Questions

What if my collection is missed?

If your collection is missed, please wait until the next working day to report it, and no later than within four days of your usual collection day.

Can I throw my recycling straight in the bin?

No, please empty any contents and wash it first. If your recycling is contaminated with food or other materials, we can't recycle it.

Can I leave large waste items on the pavement?

Not without arranging a special collection. Otherwise it's fly-tipping. **That's a criminal offence and you could be fined at least £400.**

Why recycle?

It protects the environment by saving natural resources and reducing carbon emissions.

At less than half the cost of sending waste to landfill, it saves money too.



good to know

What happens to my recycling?

We take it to a Materials Recovery Facility (MRF) where it's sorted into different materials. These are reprocessed and turned into new things. Food and garden waste is composted so it can be used as a fertiliser by farmers.

Bulky Items Collection

Now only £20 for up to four items*

✓ YES PLEASE



Mattresses



Washing machines



Bookcases



Tables

IT IS A CRIMINAL OFFENCE TO FLY-TIP. Use your bulky items collection service.

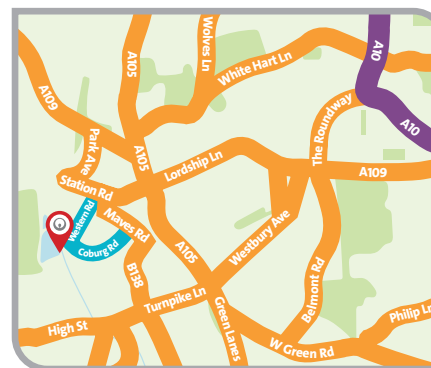


And lots of other things too! Up to 10 items per visit
See www.veolia.co.uk/haringey for prices. Call 020 8885 7700 for bookings.
*£10 per additional item

good to know

Reuse and Recycling Centre

All household waste can be disposed of at your local Reuse and Recycling Centre.



Western Road, Wood Green N22 6UG

The Western Road Reuse & Recycling Centre in Wood Green can take a wide range of reusable, recyclable and general household items.

Please visit www.haringey.gov.uk/recycling for a full list of accepted items. The Centre is open Monday to Sunday 8.45am - 4.15pm, except Christmas Day, Boxing Day, New Year's Day and Good Friday. For a list of other North London centres you can use for free, visit: www.wiseuptowaste.org.uk

Veolia Contact Centre

Opening hours: Monday to Friday, 8:30am to 5:30pm

T: 020 8885 7700 | E: enquiries.haringey@veolia.com

www.haringey.gov.uk/recycling

www.veolia.co.uk/haringey