Manchester Metropolitan University MMU Environmental Management System	**Ref**	EXTFM LTP
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Waste and Recycling Storage and Disposal plan for Library Transformation Project

1. Introduction and Purpose

1.1. The purpose of this document is to set out the waste and recycling storage and disposal plan for the operation of the Library after the transformation project.

1.2. This document aims to demonstrate that Manchester Metropolitan have adequate waste arrangements for the building occupation with a view to maximising reuse and recycling.

2. Waste Storage Arrangements

2.1. The waste storage for the building will be in Eurobins placed in a specific location within the existing allocated wooden compound space for waste storage (Image 01). When these are full, they will removed and emptied by the waste contractor, prior to being returned (Image 01, Image 02).

2.2. All Eurobin movements by Manchester Metropolitan Facilities Teams and contractors will take place next to the bin store in the area (Image 0) within the Man Met campus boundary.

2.3. The volume of waste produced has been modelled considering the proposed number of occupants, type of business activities and MCC GD04 Waste and Collection Guidance for new developments Version 6.00 along with the University's pay by weight data provided by their waste contractor. Data from peak times (October & November 2022) showed that there was13440L capacity is required on site to service the buildings at current capacity.

2.4. As a result of this exercise, the University will increase storage to 13 x 1100 Eurobins and 4 x 240l Wheelie bins. This is an increase of 7.8% capacity compared with the current provision (12 x 1100 Eurobins and 4 x 240l Wheelie bins) and 38% more than modelled as the maximum required.

2.5. This modelling tracks with the building footprint in m2 of the building serviced.

2.6. Based on the model outcomes, the overall Eurobin provision should be a minimum of 50% for general waste and 50% for recyclable waste, the proposal is to provide the following capacity for the building (All Saints Library) serviced:

- 6 x 1100l Eurobins for general waste.
- 4 x 1100l Eurobins for paper and card.
- 3 x 1100l Eurobins for plastic bottles and tin cans.

- 2 x 240l Wheelie bin for glass.
- 2 x 240l Wheelie bin for food waste.

When collected at the maximum proposed schedule, this will equal 16,800 litres of waste capacity collected each week.

2.7. Proposed location of the waste storage area is the wooden structure located inside the site boundary next to the bike shelter on Oxford Road in image 01 below and will retain the existing capacity.

Image 01:



2.8. The collections will occur from next to the bin store.

3. Waste Collection Arrangements

3.1. The University has an appointed main waste contractor (Veolia Environmental Services) who collects all waste streams outlined in 2.5.

3.2. The University has restricted collection times across campuses that the waste contractor adheres to and compliance is monitored through Key Performance Indicators.

3.3. Manchester Metropolitan will continue adhering to their contractually agreed KPIs for this area of campus, with all waste collections as far as practicable taking place prior to 8:30am Monday to Friday.

3.4. Technical Services and Facilities also have low frequency monthly collections of offensive waste from this area.

3.5. Waste is collected as individual streams by separate vehicles. The collection schedule is identified in table 1 below.

	Monday	Tuesday	Wednesday	Thursday	Friday
General Waste	X	X	X	X	X
Paper & Cardboard	X		X		X
Plastic Bottles and Tin Cans	X		X		X
Glass Waste	X				X
Food Waste			X		

3.6. Due to the location of the waste storage areas next to Oxford Road and the availability of the turning circle, as per existing practice Man Met will present the

relevant Eurobins within the bin store for Veolia Environmental Services to collect and empty.

3.7. Veolia will have access around the rear of the Business school from Lower Chatham Street onto the service road leading to the rear of All Saints building and will collect from next to the bin store. There is sufficient space for a vehicle to turn around and go back out the service road forward facing via the route they came in. Veolia also have their vehicles on the Oxford Road vehicle whitelist to avoid penalty notices should they need to use the gate onto Oxford Road in exceptional circumstances.

3.8. Arrangements for waste collections will be as follows:

- Veolia will arrive via the access road and park next to the waste storage area as per image 1.
- Veolia will access the waste storage area by opening the waste storage area doors.
- Veolia will pull out and empty at the prior to 08:30 as per campus site risk assessment.
- Veolia will place bins back where they were presented within the waste storage area.
- Vehicle will be able to manoeuvre and drive out forwards back onto the service road.

3.9. All bins will conform to BS EN 840. The wheels and lids will be locked and the bins confined to the bin store when not being serviced and/or emptied.

3.10. Veolia Environmental Services will empty the bins as per agreed schedules and return to back to the waste storage area.

4. Alternative Waste Arrangements

4.1. Manchester Metropolitan understands that a small volume of other waste streams will be produced by the building, including but not limited to:

- WEEE
- Fluorescent lamps
- Batteries
- Metal
- Wood
- Furniture

4.2. The University has arrangements in place to safely dispose of these waste streams, ensuring waste is moved up the waste hierarchy where possible, to minimise waste generated and maximise reuse and recycling. Further information is available on the University's intranet.