

Attachment-4-3-4-R and D Activity Capacity Calcs

D13 - Blending or mixing prior to submission to any of the operations number D1 to D12

Table 1: D13 Capacity Calculations

Capacity		
	Tonnes/day	Details
Household Waste	17	5,000 TPA based on 52 weeks per year and 6 days per week operations.
TOTAL	17	

Based on similar civic amenity sites operated by Dublin City Council at Ringsend and Northstrand, it is estimated that the Ballymun Recycling Centre will accept approx. 3,000 tonnes of waste from the public per annum. However, to allow for the potential increase in waste intake in future years, approval is being sought for acceptance of up to 5,000 tonnes of household waste per annum.

Typically, the Ballymun Recycling Centre will operate 6 days per week and for 52 weeks per year. This equates to a waste intake of up to 17 tonnes per day.

It is envisaged that the majority of household waste accepted at the facility will be suitable for off-site reuse, recycling or recovery. However, in the event that appropriate outlets are not available, some segregated materials may be removed off site for disposal.

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D14 - Repackaging prior to submission to any of the operations number D1 to D13

Table 2: D14 Capacity Calculations

Capacity		
	tonnes/day	Details
Household Waste	17	5,000 TPA based on 52 weeks per year and 6 days per week operations.
TOTAL	17	

Calculations are as per above. Permission to carry out D14 activity is sought to allow for repackaging of incoming hazardous (including household and agrochemicals) and non-hazardous wastes into

suitable containers for transport; packaging and securing of WEEE for transport and compaction of cardboard, plastics, general waste etc.

As above, it is envisaged that the majority of household waste accepted at the facility will be suitable for off-site reuse, recycling or recovery. However, in the event that appropriate outlets are not available, some segregated materials may be removed off-site for disposal.

D15 – Storage pending any of the operations numbered D1 to D14

Table 3: D15 Capacity Calculations

Capacity		
	tonnes	Details
Household Waste	340	Maximum storage capacity based on proposed containers
TOTAL	340	

Permission to carry out D15 activity is sought to allow for temporary storage of incoming waste pending sufficient quantities to arrange collection and removal from site as per typical civic amenity site activities. As set out in Attachment-4-3-1-Storage of Waste and Other Materials, the maximum quantity of waste proposed for storage on site at any one time will be 340 tonnes.

Temporary storage of most materials will typically be for less than seven days but for less frequently collected waste types may be longer.

As previously, it is envisaged that the majority of household waste accepted at the facility will be suitable for off-site reuse, recycling or recovery. However, in the event that appropriate outlets are not available, some segregated materials may be removed off-site for disposal.

R03 – Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes), which includes gasification and pyrolysis using the components as chemicals

Table 4: R03 Capacity Calculations

Capacity		
	tonnes/day	Details
Household Waste	17	5,000 TPA based on 52 weeks per year and 6 days per week operations.
TOTAL	17	

In accordance with Policy Action C.1.2 of the Eastern-Midlands Region Waste Management Plan 2015 – 2021, “Review and amend (where appropriate) existing and/or condition the award of new local authority CA site contracts to facilitate the segregation of materials for reuse/preparing for reuse by social enterprises and similar organisations (WEEE will be considered subject to discussion and agreement with the compliance schemes).”

Approval is sought to permit, insofar as is possible, preparing for reuse of suitable organic waste materials (such as textiles, paper, cardboard, timber etc.) accepted at the facility. Such materials may be suitable for preparing for reuse in accordance with activities carried out at The Rediscovery Centre in Ballymun, Co. Dublin.

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R04 – Recycling/reclamation of metals and metal compounds

Table 5: R04 Capacity Calculations

Capacity		
	tonnes/day	Details
Household Waste	17	5,000 TPA based on 52 weeks per year and 6 days per week operations.
TOTAL	17	

As above, approval is sought to permit, insofar as is possible, preparing for reuse of suitable metal waste materials (such as bicycles, toys etc.) accepted at the facility. Such materials may be suitable

for preparing for reuse in accordance with activities carried out at The Rediscovery Centre in Ballymun, Co. Dublin.

R05 - Inorganic substance recycling/reclamation

Table 6: R05 Capacity Calculations

Capacity		
	tonnes/day	Details
Household Waste	17	5,000 TPA based on 52 weeks per year and 6 days per week operations.
TOTAL	17	

As above, approval is sought to permit, insofar as is possible, preparing for reuse of suitable inorganic waste materials (such as toys, electronics, batteries etc.) accepted at the facility. Such materials may be suitable for preparing for reuse in accordance with activities carried out at The Rediscovery Centre in Ballymun, Co. Dublin.

R12 – Exchange of waste for submission to any of the operations numbered R 1 to R 11

Table 7: R12 Capacity Calculations

Capacity		
	tonnes/day	Details
Household Waste	17	5,000 TPA based on 52 weeks per year and 6 days per week operations.
TOTAL	17	

Approval is sought to permit the exchange of waste (such as basic sorting activities and compaction) received at the facility.

R13 – Storage of waste pending any of the operations numbered R1 to R12

Table 8: R13 Capacity Calculations

Capacity		
	tonnes	Details
Household Waste	340	Maximum storage capacity based on proposed containers
TOTAL	340	

This is the Principal Activity.

Permission to carry out R13 activity is sought to allow for temporary storage of incoming waste pending sufficient quantities to arrange collection and removal from site as per typical civic amenity site activities. As set out in Attachment-4-3-1-Storage of Waste and Other Materials, the maximum quantity of waste proposed for storage on site at any one time will be 340 tonnes.

Based on similar civic amenity sites operated by Dublin City Council at Ringsend and Northstrand, it is estimated that the Ballymun Recycling Centre will accept approx. 3,000 tonnes of waste from the public per annum. However, to allow for the potential increase in waste intake in future years, approval is being sought for acceptance of up to 5,000 tonnes of household waste per annum.

Typically, the Ballymun Recycling Centre will operate 6 days per week and effectively for 52 weeks per year. This equates to a waste intake of up to 17 tonnes per day.

It is envisaged that the majority of household waste accepted at the facility will be suitable for off-site reuse, recycling or recovery.