

**Residential Development, Grange Road,
Rathfarnham, Dublin 14**

Response to Clarification of Additional Information

SDCC Application No. SD22A/0126, Decision Order No.
1023 dated 10th August 2022

September 2022

Document Control

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1.0 Introduction

This report was prepared for South Dublin County Council in response to a request of a Clarification of Additional Information in relation to the planning application for the Residential Development, Grange Road, Rathfarnham, Dublin 14.

The request for information reference from South Dublin County Council is Application No. SD22A/0126, Decision Order No. 1023 dated 10th August 2022.

2.0 Response to Clarification of Additional Information Items of Application No. SD22A/0126, Decision Order No. 1023 dated 10th August 2022

2.1 Response to Further Information Item 1

Further Information Item:

In relation to Item 8(b) of the request for additional information, the applicant has proposed that bins will be collected at street level having been transferred from basement level bin stores. The development will provide for a wide public footpath at Loreto Terrace and so the collection at street level is not unacceptable in principle; however it is unclear how bins are transferred there as the only path from basement level bin stores to street is via the vehicular access ramp, which turns a blind corner.

(A) *The Roads Department has required that the following information is clarified:*

- *Confirm bin sizes (shown as 1100 litres capacity in drawings)*
- *Clarify how refuse bins will be brought from both bin lobbies to the street (via basement exit ramp or by lift)*

If exit ramp option:

- *Provide a method statement and risk assessment*
- *State the number of operatives required to bring each bin from lobby to street*
- *Provide an explanation as to how bins would be moved if ice had formed on the ramp in winter time.*

(B) *The applicant may comment on if direct collection from the basement has been considered and if so, why street level collection was considered to be favourable.*

Response:

It is proposed to supply toe hitch bins for the underground bin stores. These bins will be 1100 ltr bins, anything smaller would not be able to be pulled up and would have to be based on ground level. An example of how proposed toe hitch bins would be transferred can be seen in Figure 2-1. These bins will be taken from underground bin stores up to the ground level using a pull up van with 2 no. crew members in the van. A sample picture of the van in operation is shown in Figure 2-2.

A minimum height clearance of 2.1m will be required for the van to get access, with 2.6m locally near the base of the ramp. The waste management crew will take a maximum of 6 bins from underground bin stores up to the ground level with one of the crew members being at the rear of the bins ensuring all are secured properly.



Figure 2-1: Proposed toe hitch bins.



Figure 2-2: Van proposed to transport bins from underground bin storage to street level.

In the case where ice may have formed on the ramp during winter time, it is proposed that the site have salt box/ bags available on site to be used in such events. This would ensure that the ramp be kept ice free meaning there is no potential issues for disruption to the refuse collection. In such events the waste collection company would follow their standard Risk Assessment Method Statement (RAMS) on the potential issue.

Please refer to Appendix A: Method Statement / Risk Assessment for sample method statement and risk assessment associated with the bin collection from the underground bin stores, as provided by waste collection contractors. The appointed waste contractor will have their own specific risk assessments and method statements.

Direct collection from the basement was not considered due to height restrictions associated with the waste collection trucks, hence why on street level collection was considered to be favourable.

Refer also PUNCH drawings below indicating an autotrack movement for the proposed van to turn around in the basement to allow entry and exit in a forward direction.

212215-PUNCH-XX-XX-M2-C-0611

212215-PUNCH-XX-XX-M2-C-0612

Appendix A: Method Statement / Risk Assessment Samples

Method Statement¹

Description of the Task/Activity:	The removal by bin/bag collection of dry mixed recyclables, general waste, commercial and industrial waste, and segregated recyclables.			
Project Name:		Project Ref:		
Site Address/ Location:	Multiple, Nationwide	Start Date/Time:	Ongoing	
		Finish Date/Time:	Ongoing	
Personnel involved:	Name	Role/Trade		
	Various	REL Driver		
	Various	REL Helper		
Works Supervisor:	Mark Butler	Role:	Company Director	Tel: 01-4299846
	Shane Harkin		Managing Director	
Reference Documents	The requirements set out in the following documents must be met at all times			
	Document Reference	Title		
		Safety Statement		
	SOP 12	Rear End Loader Operations Manual		
	SOP 18	Driver & Helpers Procedure for Bin & Bag Collections		
	SOP 22	Using Pick-Up to Move Bins		
	RA 43	Collecting and Moving Bins and Bags in Basement Areas and underground car parks		
RA 44	Use of Pick-up Truck to Move bins			
Key Plant and Tools Required:	Van/ REL			
Key Materials Required:	N/A			
Other Essential Equipment:	Waste Collection Permit			
Specific Identified Residual Hazards:	Refer to attached Risk Assessment			














¹ **Note:** This Method Statement must be read along with the company Safety Statement.

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Specific Staff Training Requirements:	<p>Manual Handling Driver Training (CPC, in house training) REL Operations (Drivers, Helpers) Trained on all relevant documentation (see Reference Documents above)</p>
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Sequence of Operations: (Specifying methods of)	<p>Prerequisites</p> <ol style="list-style-type: none"> 1. All operatives must be trained and evaluated on all relevant documentation (see Reference Documents above). <p>Account Setup</p> <ol style="list-style-type: none"> 1. New account queries are sent to the sales department who in turn visit the customer site. They understand the customer requirements, supply them with a proposal, and if the customer is happy with the proposal, further meetings will take place to complete the service contract. 2. The sales representative will complete a new customer sign up form for each new customer. The form is then sent to the Customer Service team. 3. The Customer Service team will then set up the customer on the route scheduling system. 4. Customer's scheduled waste collections will either be on a periodic basis as per customer requirements. <p>Pull up service-</p> <ol style="list-style-type: none"> 1. Prior to collection a van pulls up the bins from the basement using a rope. <p>Waste Collection</p> <ol style="list-style-type: none"> 1. A minimum of 2 personnel is required on each lorry. 2. The lorry leaves the depot empty at 06:30 (day shift) or at 18:00 (night shift). 3. They follow a route list and start with first customer 4. They will note the details of the bin sizes, customer details, and any general notes on the customer accounts. 5. When emptying the bins, the type of waste and the quantity will be taken into account. 6. The bins are then returned to the customer's premises and they move on to the next address. 7. Once a lorry has reached capacity, the waste is tipped at one of several available waste transfer facilities. 8. A tip receipt is then given to the driver. 9. The driver then returns to base with the empty truck for next shift.
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	Waste Collection – Additional Requirements There may be additional requirements based on customer requirements, the nature and condition of the site, etc. Where these exist, they are addressed in separate risk assessments and method statements.						
Method of Access and Egress to the work area: Also Working Areas & Access:	Access/egress is by means of pedestrian and/or vehicle access. Note: Additional access/egress issues may arise depending on the site layout and conditions - see Reference Documents above.						
Hazardous Substances²: (Attach SDS)	(ie: Lubricants/Solvents/Flammable Materials/Refrigerants/Welding Gases etc)						
	 Very Toxic	 Harmful/Irritant	 Corrosive	 Dangerous for the environment	 Oxidising	 Highly flammable	 Explosive
Applicable:	Yes	Yes	Yes	Yes	Yes	Yes	No
SWL's:	Maximum 12 Tonne (REL)						
Required Personnel Protective Equip.:	 Safety Boots	 Hard Hats	 Safety Gloves	 Hearing Protection	 Respiratory Protection	 Eye Protection	Other: 1. Hi-viz 2. Weather gear (adverse weather conditions)
	Yes	Yes ³	Yes	No	No	No	

² Although it is not permitted for customers to include hazardous substances in their waste for collection, it is possible for any of these substances to be accidentally or deliberately included.

³ Depending on site requirements and conditions.

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Emergency Procedures:	Fire Precautions <ul style="list-style-type: none"> Fire extinguishers are provided on all vehicles and are maintained and regularly serviced. Smoking is not permitted. 	
	Emergency Procedures <p>Vacate the building immediately. Report to home office immediately</p> <p style="text-align: center;"><u>Emergency Telephone Numbers / Contacts</u></p> <p><u>Ambulance / Fire Brigade / Garda</u> 999 / 112 Health & Safety Authority 01 614000</p>	
<u>ACCIDENT REPORTING</u>		
<p>Accident Reporting Procedure will be carried out as specified in the Company's Safety Statement. All Accidents / Incidents will be recorded / documented.</p>		
 First aid First Aid Facilities:	Name of On-Site First Aider:	TBD
	First Aid Box Location:	All vehicles
	Location of Nearest Hospital:	Depending on Location

Method Statement Briefing Record

KeyWaste Method Statement (Waste Collection - Bin, Bag) (Issue 02, 21-10-19)

Briefing delivered by:

Position:

In signing this form, employees accept that they have studied and understand the hazards specific to this project, and agree to comply with the control measures in so far as is reasonably practicable. Employees also accept that the company safety statement is available at head office and are familiar with same.

All Key Waste employees **must** sign this form before they commence work on this site.

Employee Name (Block Capitals)	Employee Name (Signature)	Date	Comments

RISK ASSESSMENT

The following risks are specific to the site. General risks applicable to all sites/activities are covered in separate Risk Assessments and are addressed in the relevant documents (see **Reference Documents** – page 1 for details).

The following criteria are used to classify hazards

		Hazard Severity				
		5	4	3	2	1
Likelihood	5	25	20	15	10	5
	4	20	16	12	8	4
	3	15	12	9	6	3
	2	10	8	6	4	2
	1	5	4	3	2	1

Range Classification (L*S)			
Low	High	Designation	Required Action
1	10	Low	No further action required but ensure controls are maintained
11	15	Medium	Look for opportunities improve.
16	25	High	Activities must be stopped (or not commenced) until residual risk rating is reduced at least to medium

Likelihood of Hazard		
Value	Frequency	
5	Common Occurrence	
4	Likely to Occur	<i>e.g. has happened at our premises before</i>
3	Could Occur	<i>e.g. we have heard about it happening elsewhere</i>
2	Not Likely to Occur	
1	Practically Impossible	

Severity of Hazard /Vulnerability of Those Exposed		
Value	Severity	
5	Can Cause Fatality	<i>Major long-term commercial damage</i>
4	Can Lead to Major Injury or Illness (Hospitalisation)	<i>Major commercial damage</i>
3	Minor Injury or Illness Complaint (visit to Doctor)	<i>Minor short-term commercial damage</i>
2	Slight Injury or Illness (self-treated)	<i>Minimal commercial damage/customer complaint</i>
1	Not of Significance (No Injury or Illness)	

Hazard & Potential Outcomes	Persons Affected	Rating			Risk Control Measures	Rating (with controls)		
		S	L	Rating		L	S	Rating
<p>Hazard: Hazardous materials give rise to various hazards arising from the storage, handling and use of common materials which are hazardous. (materials posing specific hazards are addressed in individual risk assessments)</p> <p>Outcomes: Depends on the nature of the hazardous material – refer to the container and/or Safety Data Sheet (SDS) for each specific material - typical hazards include: flammable - may lead to fire (even at room temperature); corrosive - burns to skin, eyes, burns to lining of nose, throat, lungs; harmful/toxic – poison, causes nausea, vomiting, headache, dizziness, breathing discomfort.</p>	All staff	4	2	Low	<p>As described on the container and/or container/SDS (however this information will not generally be available.</p> <p>Reject and do not collect any waste which includes hazardous materials.</p> <p>Note on documentation and/or report to main office.</p>	4	1	Low
<p>Hazard: Low overhead ceilings, pipework, ducting, etc. Risk of hitting head.</p> <p>Outcomes: Head injuries</p>	Waste collection staff	4	3	Med	<p>Induction/training</p> <p>Route familiarisation</p>	4	2	Low

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Hazard & Potential Outcomes	Persons Affected	Rating			Risk Control Measures	Rating (with controls)		
		S	L	Rating		L	S	Rating
		<p>Hazard: Movement of bins by pick-up truck</p> <p>Outcomes: Injuries associated with moving and escape of bins: back injuries; crushing; fractures; fatality</p>	<p>Waste collection staff General public</p>	5		3	Med	<p>Induction/training Route familiarisation a. Rope inspection and replacement; b. Checking of bins – waste type, overweight, top-heavy, etc c. Maximum allowed number of bins (depending on bin contents, slope, etc.); d. Tying/securing bins – securing points on truck, type of knot, looping of ropes, etc. e. Techniques for driving (maximum speed, speed reduction if required (e.g. slopes, bad weather, etc), pulling bins around curves, speed bumps, slopes, etc.); f. Helper techniques (guiding driver, manoeuvring bins, putting bin brakes on if necessary, techniques for returning empty bins on slopes, etc.); g. Emergency procedures (e.g. if a rope breaks)</p>

Hazard & Potential Outcomes	Persons Affected	Rating			Risk Control Measures	Rating (with controls)		
		S	L	Rating		L	S	Rating
<p>Hazard: Traffic - cars, taxis, trucks, bus, LUAS, motorbikes, bicycles</p> <p>Outcomes: Traffic accidents - entering/leaving lorry vehicle-related injuries; fatality</p>	Helpers Lorry drivers	5	3	Med	Use of mirrors before getting out of cab - check to ensure no danger from oncoming traffic; Keep out of line of traffic at all times unless it cannot be avoided; Always keep aware of oncoming traffic (this could be from either direction - back or front of lorry - depending on circumstances);	5	2	Low
<p>Hazard: Manual handling, walking - loading bins/bags is a strenuous activity, involving considerable walking and manual handling in the course of a shift.</p> <p>Outcomes: Fatigue: injuries associated with excessive manual handling</p>	Helpers	4	3	Med	Driver to minimise amount of walking and moving/carrying of bins, bags by helpers: Whenever possible (e.g. depending on traffic, layout of street, etc.): Stop lorry with cab door level with bins/bags and let helper(s) get out of cab; Move lorry forward to a position that minimises the distance from the rear of the lorry and the bins/bags; When loading is completed wait for helpers to get back into cab before moving away.	4	2	Low
<p>Hazard: Violence</p> <p>Outcomes: Violence-related injuries, stress</p>	Lorry drivers Helpers	4	3	Med	Curtesy at all times; Do not engage with aggressive drivers; withdraw to cab (and lock) if necessary; Record all incidents; Report immediately if necessary.	4	2	Low

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Hazard & Potential Outcomes	Persons Affected	Rating			Risk Control Measures	Rating (with controls)		
		S	L	Rating		L	S	Rating
<p>Hazard: Aggressive members of public - may be under influence of alcohol/drugs</p> <p>Outcomes: Violence; Infection</p>	Lorry drivers Helpers	4	3	Med	Do not engage; Walk away/re-schedule; Report any actual incidents immediately	4	2	Low
<p>Hazard: Sharps</p> <p>Outcomes: Puncture/cut injuries; Infection</p>	Helpers Lorry drivers	4	3	Med	Reject bags if they contain bottles or other sharp or broken items; Correct bag handling; bag must be tied (reject and red sticker if not); Bins and bags not accepted if above specified weight - red tag and leave behind; lift/carry only by neck of bag.	4	2	Low
<p>Hazard: Bin falling into lorry</p> <p>Outcomes: Crushing; Amputation; Fatality</p>	Helpers Lorry drivers	5	3	Med	Do not attempt to climb on or into lorry to retrieve the bin. Call Supervisor immediately for assistance.	5	1	Low
<p>Hazard: Poor visibility</p> <p>Outcomes: Slips, falls due to being unable to see floor/ground.</p> <p>Various other injuries related to lack of visibility</p>	Helpers; Lorry Drivers	4	3	Med	Don't enter waste storage areas that are badly lit. Red tag and report	5	2	Low

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Hazard & Potential Outcomes	Persons Affected	Rating			Risk Control Measures	Rating (with controls)		
		S	L	Rating		L	S	Rating
Hazard: Transmission of, or infection by Covid-19 Outcomes: Transmission of Covid-19 to others Infection of Covid-19 from others Fever, cough, shortness of breath Death in small % of cases	Staff who must continue to provide waste collection services. Staff who provide on-site support to front-line staff	4	5	High	Follow all recommendations of government and HSE, currently these are summarised as: Distance; Avoidance of touching face with hands; frequent hand-wash/sanitize Cough/sneeze - use tissues, etc; Note that gloves are not required – according to HSE guidelines, wearing of disposable gloves is not effective outside a medical setting); Quarantine and report, if showing symptoms. Guidelines for dealing with covid-19 related stress 4 3 Med Refer to the following document(s) for further details: SOP 24- COVID-19 (Coronavirus) Protocol	4	3	Med

Confidential



 National Collections

Health & Safety - Standard - Greenstar

Towing/pulling up 1100 wheelie bins.

HS-GS-STD2532 [Rev-4]

Risk Rating :5

Status: Approved

Last Updated: 10-Jan-2022

Target Review: 10-Jan-2024

∨ Approval & Other Details

ID:	HS-GS-STD2532 [Rev-4]	Status:	Approved
Business Areas:	Health & Safety	Score:	 5 (Low)
Description:	Towing/pulling up 1100 wheelie bins.		
Choose a Functional Group:	National Collections		
Work Area:	Collection Operations		
Activities:	Commercial collections MSW		
Mode of Operation:	Routine		
Choose a Hazard:	Slopes, Ramps, Collapse/malfunction of equipment, Collision/crash		
People at Risk:	Customers or End Users, Employees, Members of the Public		
Risk:	Risk of failure of towing mechanism/hitches on bins resulting in bins coming loose and rolling back down the ramp.		
Current Controls:	Driver of towing vehicle must ensure that the tow bars and tow hitches are in good working order and all locking bars are in place. Driver must operate as per Safe Operating Procedure LP-04 "Towing of 1100 Wheelie bins". No more than 5 wheelie bins attached and kept close as possible together. No riding on tow bars or bins allowed		
Responsible:	Noonan, Chris	Other Participants:	Collection Operatives, David Grey
Approval By User:	Higgins, Stevan		
Approved By:	Higgins, Stevan at 28-Nov-2019 14:25		
Target Review Date:	10-Jan-2024		
Last Reviewed By:	Higgins, Stevan at 10-Jan-2022		
Created By:	Higgins, Stevan at 17-Jan-2014 10:48:56	Last Updated By:	Higgins, Stevan at 10-Jan-2022 08:59:10

General Comments & Recommendations:	NA	
Score the probability of exposure to this Hazard :		
Probability of Exposure (PE):	Unlikely - 1.0 No Comment	
Score the frequency of exposure to this Hazard :		
Frequency of Exposure (FE):	Daily - 2.5 No Comment	
Score the maximum possible loss from this Hazard :		
Maximum Possible Loss (MPL):	Major Break/Minor Illness(P) - 2.0 No Comment	
Score the number of persons exposed to this Hazard :		
Number of Persons (NP):	1-2 persons - 1.0 No Comment	