



MERSEYSIDE WASTE DISPOSAL AUTHORITY

**CONTRACT FOR THE PROVISION OF
WASTE COMPOSITION ANALYSIS
2020 - 2021**

APPENDIX 2

WORKS RISK ASSESSMENT

Site:	Sampling Locations and Rail Transfer Loading Station (RTLS)
Project:	Waste Composition Analysis 2020 – 2021
Brief description of the works:	<p>Sampling exercise to determine the composition of household waste collected, recycled, composted or delivered to an HWRC for treatment within the Liverpool City Region.</p> <p>Samples will be taken from kerbside collections and household waste recycling centres (locations TBC) and delivered to Knowsley Rail Transfer Loading Station for analysis.</p>

RISK MATRIX

		Severity				
		1 Minor injury	2 Injury requiring first aid	3 Reportable injury	4 Major injury	5 Fatality
Likelihood	1 Remote	1	2	3	4	5
	2 Unlikely	2	4	6	8	10
	3 Likely	3	6	9	12	15
	4 Probable	4	8	12	16	20
	5 Certain	5	10	15	20	25

Risk Rating	Low	Medium	High	Very High
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Based upon the following Risk Assessment these works have been classified as:

- Low risk
- Medium risk
- High risk
- Very High risk **Due to exposure to municipal solid waste and potential exposure to hazardous wastes**

The identified Risk Rating is to be considered as Pre Mitigation of the risk. The Contractor shall submit a Risk Assessment with a Post Mitigation Risk Rating prior to commencing the works.



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Designer: GB	Date: 03/12/2019	Reviewed by: ASB	Date: 04/12/19	Authorised: ASB	Date: 18/12/19	

Ref	Hazard	Risk	Persons at Risk	Rating (L x S = R)			Mitigation measures
				L	S	R	
1.0	GENERIC RISKS IDENTIFIED AT ALL SITES						
1.1	General traffic movements and access onto and around the sites	Vehicular (RTA) or pedestrian access	Contractor Operational staff Other Contractors using the site MWDA staff Public	2	5	10	<p>Access to each site shall be made from the public highway.</p> <p>The sites will be operational during the WCA, and each site is subject to a variety of traffic movements including both public domestic vehicles and operational service vehicles. The Contractor shall be mindful of moving traffic at all times.</p> <p>The Contractor shall partake of site inductions as determined by the site operator, and suitable PPE as determined by the operating contractor shall be worn at all times.</p> <p>The Contractor shall adhere to the site traffic management plan and any specific requirements made by the operational site staff at all times. Traffic is restricted to 5mph on all sites.</p> <p>The Contractor shall be restricted to the predetermined vehicular and pedestrian access routes.</p>
1.2	Exposure to municipal solid waste materials	Infection from contaminated materials through cuts and abrasions.	Contractors	5	3	15	<p>The Contractor shall prepare and submit appropriate RAMS to MWDA before commencement of the Contract.</p> <p>The Contractor shall identify through their own risk assessment any PPE necessary to undertake the works, and shall provide and wear the PPE as appropriate.</p>
1.3	Potential exposure to hazardous waste	Infection and injury from hazardous waste materials	Contractors Operational staff	3	5	15	<p>The Contractor shall prepare and submit appropriate RAMS to MWDA before commencement of the Contract.</p> <p>The Contractor shall develop and submit to the MWDA prior to commencing any works a procedure for managing hazardous waste which may be reasonably foreseeable.</p>

L = Likelihood	1 Remote	2 Unlikely	3 Likely	4 Probable	5 Certain
S = Severity	1 Minor injury (Does not require first aid)	2 Injury requiring first aid	3 Reportable injury (Riddor) (3 days or more absence from work)	4 Major injury (Riddor) (Broken bones etc)	5 Fatality
R = Risk rating	1 - 4 Low	5 - 9 Medium	10 - 12 High	15 - 25 Very High	

RIDDOR, Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 1995



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1.4	Ordnance	Explosion, fire	Contractor Operational staff Other Contractors using the site MWDA staff Public	2	5	10	Ordnance has been known to be disposed of by the general public within the residual waste. The Contractor shall establish in consultation with the operator a procedure in the event that any such items are uncovered during the survey
1.5	Slips, Trips and Falls	Cuts and abrasions. Potential fractures.	Contractors	2	3	6	The facilities will be fully operational during the course of the works and the Contractor shall conduct himself accordingly when on site. Dynamic risk assessments will be required as necessary. The Contractor shall not on any account climb into any waste container. Appropriate PPE is required at all times.
1.6	Manual handling	Muscular skeletal injuries. Trapped fingers. Bruising.	Contractors	2	3	6	All loads shall be assessed prior to attempting the lift to ensure that the load can be safely moved, and a suitable lifting plan shall be prepared. Mechanical assistance shall be utilised as necessary and suitable PPE shall be provided. The Contractor shall undertake safe and proper use of any lifting equipment, with licenced operators where required.
1.7	Adverse or extreme weather (Summer and winter)	Hypothermia, exhaustion, overheating, sunstroke	Contractor	3	3	9	The Household Waste Recycling Centres can be exposed with limited shelter from the elements. The ambient temperature inside the RTLS can be higher than the external temperature. The Contractor shall make provision for hot and cold food and fluids as appropriate and shall provide clothing and PPE suitable for variable weather conditions.
1.8	Lone working	Personal attack. Increased severity of injury due to lack of assistance/aid.	Contractor	1	5	5	Where the Contractor is to employ Lone Working, a Lone Working procedure shall be submitted to the MWDA in advance.

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2.0	Household Waste Recycling Centres						
2.1	General traffic movement	Road traffic accident	Contractor Public Operational staff	2	4	8	<p>The sites will be operational during the WCA, and the Contractor shall be mindful of moving traffic at all times.</p> <p>The Contractor shall partake of site inductions as determined by the site operational contractor, and suitable PPE as determined by the operating contractor shall be worn at all times.</p> <p>The Contractor shall adhere to the dedicated pedestrian routes where applicable.</p>
2.2	Movement of service vehicles	Road traffic accident	Operational staff Contractor	2	5	10	<p>The Contractor shall not enter into any operational areas unless authorised by the operator.</p> <p>Appropriate PPE as determined by the operational contractor shall be worn at all times.</p>
2.3	Members of the public	Personal confrontation / arguments	Contractor Public	1	3	3	<p>HWRCs sites are open to the public, and public encounters are to be expected.</p> <p>Personal household waste can be an emotive subject and the public can be protective over the materials they are disposing of and the Contractor shall give this all due consideration.</p>
2.4	Movement around the sites	Road traffic accident	Contractor	2	5	10	<p>The site will be fully operational at the time of the WCA and the contractor shall anticipate continuous traffic movement.</p> <p>The Contractor shall keep to the designated pedestrian walkways/ routes at all times.</p>

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3.0 Rail Transfer Loading Station							
3.1	Access onto site	Road traffic accident	Operational staff Contractor	2	5	10	The site access road in the vicinity of the weighbridges can be a congested area, with vehicles queuing to use the weighbridges. The Contractor's vehicles must join the queue in turn, and on no account try to bypass the queue by driving against the flow of traffic.
3.2	Movement of service vehicles	Road traffic accident	Operational staff Contractor	2	5	10	The Contractor shall undertake site inductions as determined by the site operational contractor. The Contractor shall not enter into any operational areas unless authorised by the operator. Appropriate PPE as determined by the operational contractor shall be worn at all times.
3.3	Illness transmitted through:	Rats urine (Leptospirosis)	Contractor	2	3	6	The Contractor shall provide and use appropriate PPE and shall exercise good practice hygiene at all times. Immunisation against infection / illness is recommended. Inspect apparatus for sharp edges and foreign objects prior to undertaking works. Appropriate respiratory PPE required when working adjacent potential source of bio aerosols. Use of insect repellent recommended Appropriate PPE to be worn and first aid kit required. Cover skin as much as practicable Tricks are most common in spring, early summer and autumn. Check skin for ticks following site visit.
		Puncture wounds (Tetanus and Hepatitis B)	Contractor	3	3	9	
		Bio aerosols (Respiratory infection)	Contractor	3	3	9	
		Biting and stinging insects Infected ticks	Contractor	1	3	3	
3.4	Waste emissions of dust and odours	Respiratory difficulties Nausea	Contractor	3	2	6	The Contractor shall develop appropriate RAMS and supply and wear PPE as necessary.
3.5	Operational plant and apparatus	Personal injury	Contractor	2	4	8	The RTLS will be fully operational at the time of the WCA and the Contractor must not enter into any areas outside of the area defined for the WCA.

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3.6	Movement around the sites	Road traffic accident	Contractor	2	5	10	The site will be fully operational at the time of the WCA and the contractor shall anticipate continuous traffic movement. The Contractor shall keep to the designated pedestrian walkways/ routes at all times.
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4.0	Kerbside sampling						
4.1	Members of the public, animals at kerbside sampling locations	Personal / animal attack	Contractor	1	5	5	<p>Personal household waste can be an emotive subject and the public can be protective over the materials they are disposing of and the Contractor shall give this all due consideration.</p> <p>Contractor shall have due care for potential animal encounters during kerbside sampling operations.</p>
4.2	Highway vehicle movements	Road traffic accident	Operational staff Contractor Public	2	5	10	Hi Viz clothing as determined by the Contractor's risk assessment shall be worn at all times.
4.3	Manual handling	Muscular skeletal injuries. Trapped fingers. Bruising. Cuts and abrasions	Contractors	2	3	6	<p>All loads shall be assessed prior to attempting the lift to ensure that the load can be safely moved, and a suitable lifting plan shall be prepared.</p> <p>Sharp objects shall be anticipated in the materials being collected.</p> <p>The Contractor shall provide suitable PPE as required.</p>

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