

MERSEYSIDE WASTE DISPOSAL AUTHORITY

CONTRACT FOR THE PROVISION OF WASTE COMPOSITION ANALYSIS 2021 - 2022

APPENDIX 2

HSMS10-Construction risk assessment form	UNCONTROLLED WHEN	Page 1 of 10
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WORKS RISK ASSESSMENT

Site:	Sampling Locations and Rail Transfer Loading Station (RTLS)
Project:	Waste Composition Analysis 2021 – 2022
Brief description of the works:	Sampling exercise to determine the composition of household waste collected, recycled, composted or delivered to an HWRC for treatment within the Liverpool City Region.
	Samples will be taken from kerbside collections and household waste recycling centres (locations TBC) and delivered to Knowsley Rail Transfer Loading Station for analysis.

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				Severity		
		1 Minor injury	2 Injury requiring first aid	3 Reportable injury	4 Major injury	5 Fatality
	1 Remote	1	2	3	4	5
	2 Unlikely	2	4	6	8	10
Likelihood	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:

۶	Low risk	
۶	Medium risk	
	High risk	
	Very High risk	\checkmark

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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	ING & WASTE AUTHORITY	Merseyside Recycling & Waste Au 7 th Floor. No1 Mann Island Liverpool L3 1BP	thority				WORKS RISK ASSESSMENT	
Site: R	TLS and Sampling Loc	cations Project: V	aste Composition Anal	ysis 2021	- 2022		Ref: WCA 20	21-22
	ier: ASB	Date: 01/12/2020	Reviewed by: GS		Date: 09).12.20	Authorised: ASB	Date:10/12/20
Ref	Hazard	Risk	Persons at Risk	Rat L	ing (L x S	S = R) R	Mitigation measure	25
			e.g. face covering, sanitising w	<i>r</i> ipes etc.) ar	e potenti	ally pres	ent in all waste streams; and the Contractor shall make	provision for exposure to such
)	GENERIC RISKS IDENTIFII							
.2	General traffic movements and access onto and around the sites Exposure to municipal solid waste materials	Vehicular (RTA) or pedestrian access	Contractor Operational staff Other Contractors using the site MWDA staff Public	2 e 5	3	10	Access to each site shall be made from the public hig The sites will be operational during the WCA, and eac traffic movements including both public domestic vehi vehicles. The Contractor shall be mindful of moving tr The Contractor shall partake of site inductions as deter and suitable PPE as determined by the operating com The Contractor shall adhere to the site traffic manager requirements made by the operational site staff at all Traffic is restricted to 5mph on all sites. The Contractor shall be restricted to the predetermine access routes.	ch site is subject to a variety of cles and operational service affic at all times. ermined by the site operator, tractor shall be worn at all times ment plan and any specific times. ed vehicular and pedestrian
		abrasions.					The Contractor shall identify through their own risk as to undertake the works, and shall provide and wear the	
= Likelił	nood 1 Remote	2 Unlikely		3 Likely				Certain
= Sever	ity 1 Minor injury (Does not require fi	2 Injury requ rst aid)		3 Reportable i (3 days or mo				atality
= Risk r DR. Repor	ating 1 – 4 Low ting of Injuries, Diseases and Dangerous Occu	urrences Regulations 1995	-	5 – 25 Very H	igh			
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	RWA YELING & WASTE AUTHORITY SIDE A PLACE THING IS WASTED	Merseyside Recycling & Waste A 7 th Floor. No1 Mann Island Liverpool L3 1BP	uthority				WORKS RISK ASSESSMEN	<u>IT</u>
Site:	RTLS and Sampling Lo	ocations Project:	Waste Composition Analys	sis 2021	- 2022		Ref: W	CA 2021-22
Desig	iner: ASB	Date: 01/12/2020	Reviewed by: GS		ate: 0	9.12.20	Authorised: ASB	Date:10/12/20
Ref	Hazard	Risk	Persons at Risk	Rat L	ng (L x	S = R)	Mitigation m	easures
1.3	Potential exposure to hazardous waste	Infection and injury from hazardous waste materials	Contractors Operational staff	3	5	15	The Contractor shall prepare and submit appr commencement of the Contract. The Contractor shall develop and submit to th works a procedure for managing hazardous w foreseeable.	e MWDA prior to commencing any
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 waste. The Contractor shall establish in consultation event that any such items are uncovered durin	with the operator a procedure in the
1.5	Slips, Trips and Falls	Cuts and abrasions. Potential fractures.	Contractors	2	3	6	The facilities will be fully operational during th Contractor shall conduct himself accordingly will be required as necessary. The Contractor shall not on any account climb Appropriate PPE is required at all times.	when on site. Dynamic risk assessments
1.6	Manual handling	Muscular skeletal injuries. Trapped fingers. Bruising.	Contractors	2	3	6	All loads shall be assessed prior to attempting safely moved, and a suitable lifting plan shall shall be utilised as necessary and suitable PP The Contractor shall undertake safe and prop licenced operators where required.	be prepared. Mechanical assistance E shall be provided.
1.7	Adverse or extreme weather (Summer and winter)	Hypothermia, exhaustion, overheating, sunstroke	Contractor	3	3	9	The Household Waste Recycling Centres can the elements. The ambient temperature inside the RTLS can temperature.	
_ = Like	lihood 1 Remote	2 Unlikely	· · · · · · · · · · · · · · · · · · ·	Likely			4 Probable	5 Certain
= Seve	erity 1 Minor injury (Does not require			Reportable i days or mo			4 Major injury (Riddor) rk) (Broken bones etc)	5 Fatality
	x rating 1 – 4 Low porting of Injuries, Diseases and Dangerous O	5 - 9 Medium	10 – 12 High 15	– 25 Very H	gh		•	
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	RWA CYCLING A WASTE AUTHORITY SIDE A PLACE DTHING IS WASTER	Merseyside Recycling & Waste Aut 7 th Floor. No1 Mann Island Liverpool L3 1BP	hority				WORKS RISK ASSESSMENT	
THERE IT	RTLS and Sampling Lo		aste Composition Analysis	\$ 2021	- 2022		Ref: WCA 2021-22	
	gner: ASB	Date: 01/12/2020	Reviewed by: GS			9.12.20		2/20
Def	Llogord	Diele	Deresse et Diek	Rati	ng (L x	S = R)		
Ref	Hazard	Risk	Persons at Risk	L	S	R	Mitigation measures	
1.8	Lone working	Personal attack. Increased severity of injury due to lack of assistance/aid.	Contractor	1	5	5	The Contractor shall make provision for hot and cold food and fluids and shall provide clothing and PPE suitable for variable weather cor Where the Contractor is to employ Lone Working, a Lone Working p submitted to the MWDA in advance.	nditions.
2.0 2.1	Household Waste Recy General traffic movement	Cling Centres	Contractor Public Operational staff	2	4	8	The sites will be operational during the WCA, and the Contractor sha moving traffic at all times.	
							The Contractor shall partake of site inductions as determined by the contractor, and suitable PPE as determined by the operating contract at all times. The Contractor shall adhere to the dedicated pedestrian routes when	ctor shall be worr
2.2	Movement of service vehicles	Road traffic accident	Operational staff Contractor	2	5	10	The Contractor shall not enter into any operational areas unless authoperator. Appropriate PPE as determined by the operational contractor shall b times.	
2.3	Members of the public	Personal confrontation / arguments	Contractor Public	1	3	3	HWRCs sites are open to the public, and public encounters are to be Personal household waste can be an emotive subject and the public protective over the materials they are disposing of and the Contracto all due consideration.	can be
_ = Like	lihood 1 Remote	2 Unlikely	3 Lik	rohu			4 Probable 5 Certain	
- LIKE	erity 1 Minor injury	2 Unlikely			njury (Rid		4 Probable 5 Certain 4 Major injury (Riddor) 5 Fatality	

R = Risk rating	1 – 4 Low	5 - 9 Medium	10 – 12 High	15 – 25 Very High	
RIDDOR. Reporting of Injuries	s, Diseases and Dangerous	Occurrences Regulations 1995			
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	ING & WASTE AUTHORITY DE A PLACE ING IS WASTED	Merseyside Recycling & Was 7 th Floor. No1 Mann Island Liverpool L3 1BP	te Authonity			WORKS RISK ASSESSM	<u>MENT</u>	
	TLS and Sampling Lo		ct: Waste Composition	Analysis 2021 - 2022		Ref	f: WCA 2021-22	
	ner: ASB	Date: 01/12/2020	Reviewed by: G			Authorised: ASB	Date:10/12	/20
Ref	Hazard	Risk	Persons at F	Risk Rating (L ×	S = R) R	Mitigation	n measures	
	Movement around the sites	Road traffic accident	Contractor	2 5	anticipat	will be fully operational at the tim te continuous traffic movement. tractor shall keep to the designat		
				X				
	ity 1 Minor injury	2 Unlik 2 Injur	xely y requiring first aid	3 Likely 3 Reportable injury (Ric		4 Probable 4 Major injury (Riddor)	<u>5 Certain</u> 5 Fatality	
i = Sever	ity 1 Minor injury (Does not require	e first aid)	y requiring first aid	3 Reportable injury (Rid (3 days or more absend	ldor) e from work)			
. = Likelil 3 = Sever 2 = Risk r DOR. Repor	ity 1 Minor injury (Does not require	2 Injur 9 first aid) 5 - 9 Medium	-	3 Reportable injury (Rid	ldor) e from work)	4 Major injury (Riddor)		

MERSEYSIDE RECT MERSEY WHERE NO	RWA YELING & WASTE AUTHORITY SIDE A PLACE TINING IS WASTED	Merseyside Recycling & Waste Aut 7 th Floor. No1 Mann Island Liverpool L3 1BP	hority				WORKS RISK ASSESSMENT
Site: F	RTLS and Sampling Lo		aste Composition Analysi	s 2021	- 2022		Ref: WCA 2021-22
Desig	ner: ASB	Date: 01/12/2020	Reviewed by: GS	[Date: 0	9.12.20	0 Authorised: ASB Date:10/12/20
Ref	Hazard	Risk	Persons at Risk	Rat L	ting (L x	S = R) R	Mitigation measures
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, we 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 Puncture wounds (Tetanus and Hepatitis B) Bio aerosols (Respiratory	Contractor Contractor Contractor	2 3 3	3 3 3	6 9 9	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.
		infection) Biting and stinging insects Infected ticks	Contractor	1	3	3	Use of insect repellent recommended Appropriate PPE to be worn and first aid kit required. Cover skin as much as practicable Ticks are most common in spring, early summer and autumn. Check skin for ticks following site visit.
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 enter into any areas outside of the area defined for the WCA.
		2 Unlikely	3 Li				4 Probable 5 Certain
= Seve	erity 1 Minor injury (Does not require f	2 Injury requi first aid)			injury (Rio pre abseno		4 Major injury (Riddor) 5 Fatality vork) (Broken bones etc)
	orting of Injuries, Diseases and Dangerous Occ	currences Regulations 1995	-	25 Very H	ligh		
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MERSEYS	CLING & WASTE AUTHORITY IDE A PLACE TIME IS WASTED	Merseyside Recycling & Waste 7 th Floor. No1 Mann Island Liverpool L3 1BP	Authority		WORKS RISK ASSESSMEN	Ţ		
Site: F	RTLS and Sampling L	Locations Project	: Waste Composition Analys	is 2021 - 2022	Ref: W0	CA 2021-22		
Desigr	ner: ASB	Date: 01/12/2020	Reviewed by: GS	Date: 09.12.20	Authorised: ASB	Date:10/12/20		
Rating (L x S = R)								
Ref	Hazard	Risk	Persons at Risk		Mitigation me	easures		

3.6	Movement around the	Road traffic accident	Contractor	2	5	10	The site will be fully operational at the time of the WCA and the contractor shall
	sites						anticipate continuous traffic movement.
							The Contractor shall keep to the designated pedestrian walkways/ routes at all times.

L = Likelihood	1 Remote		2 Unlikely	3 Likely	4 Probable	5 Certain	
S = Severity	1 Minor injury (Does not requir	re 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 RIDDOR. Reporting of Injurie	1 – 4 Low es, Diseases and Dangerous	5 - 9 Medium Occurrences Regulations 1995	10 – 12 High	15 – 25 Very High			
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Merseyside Recycling & Waste Authority 7 th Floor. No1 Mann Island Liverpool WHERSYSIDE A PLACE UN STED L3 1BP								
Site: RTI	LS and Sampling L	_ocations Projec	t: Waste Composition Analysi	is 2021 - 2022	Ref: W0	CA 2021-22		
Designer	r: ASB	Date: 01/12/2020	Reviewed by: GS	Date: 09.12.20	Authorised: ASB	Date:10/12/20		
Ref	Hazard	Risk	Persons at Risk	Rating (L x S = R)	Mitigation me	asures		

4.0	Kerbside sampling									
4.1	Members of the public, animals at kerbside sampling locations	animals at kerbside		1	5	5	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.			
							Contractor shall have due care for potential animal encounters during kerbside sampling operations.			
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	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. Sharp objects shall be anticipated in the materials being collected. The Contractor shall provide suitable PPE as required.			

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 RIDDOR. Reporting of Injurie	1 – 4 Low 5 - 9 Medium es, Diseases and Dangerous Occurrences Regulations 1995	10 – 12 High	15 – 25 Very High			
	nstruction risk assessment form	UNCONTROLLE				Page 10 of 10