



## CONSTRUCTION RISK ASSESSMENT

Site:	Bidston Moss Community Woodland Billinge Hill Quarry Foul Lane Red Quarry Roughdales Sefton Meadows II Sefton Meadows III
Project:	Landscape Maintenance 2022 - 2025
Brief description of the works:	Provision of landscape and ground maintenance to ensure access across the landfill sites.

## 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 the use of operational machinery**

The Contractor is expected to put into place mitigation measures to protect against the risk identified.



Merseyside Recycling & Waste Authority  
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## CONSTRUCTION RISK ASSESSMENT

Site: Former landfill sites		Project: Landscape Maintenance 2022 - 2025				Ref: NA	
Assessed by: Tony Byers	Date: 09/02/22	Reviewed by: Emma Cowell	Date: 10/02/2022	Authorised: Tony Byers	Date: 11/02/22		

Ref	Hazard	Risk	Persons at Risk	Rating (L x S = R)			Mitigation measures
				L	S	R	
1.1	Existing Environment – Works on a former landfill site	Landfill site emissions – Landfill gas (fire and explosion) Landfill leachate (contaminated surface water) Risk of Weil's disease	Contractor	1	5	5	H&S document - HSMS10 02 H&S advice to visitors working on a closed landfill site, included in the tender documents.
1.2	Existing Environment – Works within the curtilage of a former landfill site – Sefton Meadows II - Farming operations	Damage to arable crops and conflict with farmer. Active farm machinery.	Contractor	1	5	5	The former landfill site is an active arable farm and moving machinery is to be anticipated. The Contractor shall restrict all activities to the areas as defined on the contract drawings, and shall not encroach onto the farmland without the Authorities consent.
1.3	Existing Environment – No shelter from weather conditions	Exposure to the elements – Heat exhaustion Severe cold	Contractor	2	1	2	The Contractor shall make provision for suitable shelter as required. Details are to be included in the Contractor's RAMS
1.4	Existing Environment – No welfare facilities	Lack of potable water and WC facilities	Contractor	2	2	4	The Contractor shall make provision for suitable welfare facilities. Details are to be included in the Contractor's RAMS
2.1	Vehicular access - Through the operational facilities	Road traffic accident.	Contractor Member of public Operational staff	2	2	4	Contractor is required to adhere to the predetermined access route through the operational sites and abide by the posted highway signs. Traffic is restricted to a max speed of 5mph. Contractor shall ensure that any abnormal loads are marshalled through the site.
2.2	Vehicular access - Through the operational facilities – striking overhead services	Electrocution Damage to services	Contractor Member of public	1	5	5	Contractor shall be aware of overhead services at the sites, and shall adhere to the predetermined traffic routes at all times.
2.3	Vehicular access – Traversing across the landfill sites	Road traffic accident	Contractor Member of the public	1	3	3	Contractor traffic shall remain on the predetermined routes at all times. Traffic is restricted to a max speed of 5mph The sites are open to the public and the Contractor shall give all due courtesy and give way to any pedestrians.
3.1	Site Works - Accidental contact with apparatus	Damage to apparatus Sparks and fire ignition	Contractor	1	5	5	The Contractors attention is drawn to the individual site induction leaflets and HSMS10 02 H&S advice to visitors working on a closed landfill site, which highlight site apparatus.
3.2	Site Works - Works adjacent a water course	Fall into water course	Contractor	2	5	10	Contractor shall implement a safe system of work when travelling along and working adjacent the water courses. Details shall be included in the Contractor's RAMS

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

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Page 3 of 4



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				L	S	R	
3.3	Site Works - Uneven ground, hidden potholes etc.	Slips, trips and falls	Contractor	2	4	8	The Contractor shall be aware that the sites can be uneven underfoot. The Contractor shall apply all due care when walking around the works area. Suitable safety footwear is required.
3.4	Site Works - Poor lighting levels	Reduced hours of daylight inhibiting works	Contractor	1	3	3	There is no artificial lighting on the sites, and no lighting from neighbouring property. The Contractor shall keep to daylight hours only.
3.5	Site Works - Manual handling	Muscular skeletal injuries	Contractor	2	3	6	The Contractor shall develop safe system of work and manual handling plan as required. Details shall be included in the Contractors RAMS.
3.6	Site Works - Noise levels	Equipment to be maintained to ensure that levels of noise are suitable and complaint with relevant standards (i.e. <85dB)	Contractor	1	2	2	Contractor shall make provision for appropriate ear defender should noise generating equipment be required. Details shall be included in the Contractor's RAMS
3.7	Site Works – Mobile plant and equipment	Injury caused by materials and appliances used as part of the works.	Contractor, Members of the public Farmer MWDA staff	2	2	4	Appropriate signage should be displayed to warn members of the public of the works being undertaken.
3.8	Site Works - Use of tools and equipment as required	Muscular injury Cuts Loss of limbs	Contractor	2	5	10	Apparatus shall be used by appropriately qualified/trained persons only, using suitable PPE as required. Safe working method to be established by the Contractor. Details to be included in Contractor's RAMS.
4.1	COSHH	Injury through hazardous substances	Contractor	2	3	6	The Contractor shall undertake a COSHH risk assessment for any COSHH products to be used in these works. Details shall be included in the Contractor's RAMS

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Page 4 of 4