



MERSEYSIDE WASTE DISPOSAL AUTHORITY

DESIGNER'S RISK ASSESSMENT

MWDA acting as Principal Designer

Site:	Foul Lane
Project:	Foul Lane Restoration
Brief description of the works:	Importation and spreading of soils across the site to raise the levels by a nom. 1.5m. Protection of existing on site services.

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 presence of landfill gas and nature of the works being undertaken.



Merseyside Recycling & Waste Authority
7th Floor.
No1 Mann Island
Liverpool
L3 1BP

RISK ASSESSMENT
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Site: Foul Lane	Project: Restoration	Ref: 530-101
Designer: Graeme Bell	Date: 6 th July 2016	Reviewed by: ASB
Date: 07/07/16	Authorised: ASB	Date: 11/07/16

Ref	Hazard	Risk	Persons at Risk	Rating (L x S = R)			Mitigation measures
				L	S	R	
1	Access onto site	Traffic collision	HWRC site users, HWRC staff, Contractor	2	5	10	Dedicated access route to be established for contractor traffic
		Interface with HWRC traffic	Contractor, HWRC staff and members of the public	2	5	10	No vehicle access associated with the restoration works will be permitted to access the site via the Household Waste Recycling Centre or Waste Transfer Station.
		Contact with overhead electrical lines and pole mounted transformer	Contractor	2	5	10	Contractor shall establish a traffic exclusion zone beneath the overhead lines and around the transformer located in the northwest corner of the site.
2	Working on a closed landfill site	Risk of Well's disease and hazards associated with working on former landfill sites	Contractor	2	3	6	Appropriate PPE required to be worn at all time. MWDA document 'Health and Safety Advice for Working on a Closed Landfill Site' issued to Contractor.
3	DSEAR. Potential presence of landfill gas.	Explosive atmosphere, fire	Contractor	3	5	15	The internal space of each borehole is classified as DSEAR Zone 1. The space within 1m radius of all boreholes is classified as Zone 2. All apparatus used in the course of these works shall be suitably ATEX rated for these zones. No hot works permitted. No naked flames or smoking allowed on site. Appropriate PPE

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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 2013

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				L	S	R	
							MWDA to provide the DSEAR assessment as part of the Pre-Construction Information.
4	Confined spaces	Asphyxiation	Contractor	1	5	5	All manholes on site are classified as confined spaces. No access to any confined space is required or permitted as part of these works. MWDA to provide a schedule of confined spaces as part of the Pre-Construction Information.
5	Pernicious weeds	Injury from toxic sap that can cause severe burns	Contractor	2	2	4	Giant hogweed has been noted on the site. Contractor must be aware of the potential risks of this weed and appropriate PPE to be used at all times.
6	Site Security	Vandalism, theft	Contractor	3	4	12	The contractor is advised to establish a secure site compound
7	Plant on site	Collision	Contractor, MWDA staff, visitors	2	5	10	Contractor shall establish and adhere to a traffic management plan. Appropriate PPE to be worn by all staff and visitors. Plant to be fitted with appropriate warning beacons as required under current legislation
8	Soft ground	Vehicles may become stuck on	Contractor staff	2	2	4	Contractor attention is drawn to the soft ground conditions.

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				L	S	R	
		site and require towing out.					Vehicle recovery procedures to be established by contractor
9	Mud on adjacent roads	Slippery road surface, complaints from road users/Local Council	Road users	5	2	10	Contractor to eliminate arisings on highway and undertake road cleansing operations as and when required. Contractor to make provision for wheel wash facilities on site.
10	Lifting operations	Installation of concrete rings for the protection of existing infrastructure (leachate monitoring points)	Contractor	2	5	10	Lifting Operations and Lifting Equipment Regulations 1998 (LOLER)
11	Existing services	Striking services	Contractor	3	3	9	The Contractors attention is drawn to the overhead electricity line in the northwest corner of the site. Excavation works are not required as part of these works. Details of the existing site infrastructure and services are included in the Pre-Construction Information.
12	Working adjacent watercourse	Fall into water course.	Contractor	1	3	3	Location of water course passed to contractor. Water course is outside of the perimeter fence, and outside of the working area.

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							Contractor to develop a safe method of working if works are required adjacent the water course.
13	MWDA access for environmental monitoring and maintenance activities	Injury	MWDA staff	5	3	15	MWDA staff to wear suitable PPE at all times when on site, staff to make presence known to site foreman before entering site. MWDA to provide programme of visits to contractor.
14	Veolia access for litter picking	Injury	Veolia staff	5	3	15	Veolia staff to wear suitable PPE at all times when on site. Veolia staff to make presence known to site foreman before commencing works.

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