



### Risk Assessment – Working on Contaminated Land.

<b>Company:</b>	SES Engineering (Newark) Ltd	<b>Date:</b>	16.05.2022	<b>Review Date:</b>	16.05.2023	<b>Ref:</b>	SES/0062
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<b>Operation:</b>	Working on Contaminated Land.			<b>Persons at risk:</b>	Employees, 3 <sup>rd</sup> parties		
<b>HAZARD</b>	<b>Assessment</b>			<b>CONTROL MEASURES TO REDUCE THE RISK</b>	<b>Re-assessment</b>		
	<b>S</b>	<b>L</b>	<b>R</b>		<b>S</b>	<b>L</b>	<b>R</b>
Contaminated Land.	3	4	12	Contract Manager will obtain soil analysis results from which a safe system of work and comprehensive COSHH Assessments will be produced, including any relevant control measures required including decontamination units. All site personnel to be fully briefed of the control measures in place.	3	1	3
Skin absorption.	3	4	12	All personnel must be provided with correct PPE in accordance with COSHH assessment and safe system of work. All clothing should be laundered before it is reused, nitrile gloves to be worn until all contaminated clothing is removed. No work clothes that have been used on contaminated land should be taken off the site. Good standards of hygiene to be maintained at all times. Lining the sides of the work area with sheeting can reduce contact with spoil. Adequate first aid and welfare facilities must be provided.	3	1	3
Skin penetration.	3	4	12	If skin is broken by puncture wound, clean immediately and dress with sterile dressing. If personnel report any side effects stated in COSHH Assessment or the wound was directly contaminated ensure they seek immediate medical attention.	3	1	3
Ingestion.	4	3	12	No personnel involved in operations on contaminated land should eat, drink or smoke before they have washed their hands with anti-bacterial wash and fresh water. No work clothes that have been used on contaminated land should be taken off the site.	4	1	4
Inhalation.	4	3	12	If high levels of dust are present personnel must wear suitable respiratory protective equipment, the type of RPE to be used must be determined by the type and level of contamination present. Where possible damping down techniques should be used to eliminate dust.	4	1	4
Asphyxiation / gassing.	4	3	12	Gas monitors must be used when working in excavations/confined spaces on and suitable RPE must be present according to type of contamination. Entry into confined spaces must be minimised to trained, essential personnel only. Full escape equipment must be in place.	4	1	4
Fire / Explosion.	4	3	12	Depending on the nature of the contamination a no smoking rule should be enforced and all combustible and/or reactive agents will not be permitted to enter site. All sources of ignition must be eliminated and prevented when work is taking place especially in confined spaces in contaminated land. Adequate firefighting facilities and emergency procedures will be established where required.	4	1	4



Likelihood →	Likely (5)	Probable (4)	Possible (3)	Unlikely (2)	Very unlikely (1)
↓ Severity					
Death (4)	20	16	12	8	4
Major Injury (3)	15	12	9	6	3
Minor Injury (2)	10	8	6	4	2
No Injury (1)	5	4	3	2	1

**KEY:** S = Severity

L = Likelihood

R = Risk rating

12-20 High risk
8-10 Medium risk
1-6 Low risk

**PPE Required:**

Hard hat	Y
High vis clothing & boots	Y
Eye/ ear protection	Y
Suitable gloves	Y
Respiratory equipment	Y
Safety harness	As necessary

Risk assessment to be reviewed every 12 months or following an accident / incident.