

SAFELANE® GLOBAL

Preliminary UXO Risk Assessment

Client: Groundsure Ltd

Project: BUILDING 4, TRIDENT BUSINESS PARK

Report Reference: GS-9266028

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Aim

The purpose of the Stage 1 Preliminary Risk Assessment is a qualitative screening exercise to assess the likely potential of finding unexploded ordnance (UXO) at a site. The process requires the consideration of the basic factors that affect the potential for UXO to be present at a site and the likelihood for any hazard to occur.

The aim of the preliminary assessment is to identify or discount the need for further detailed research (in the form of a Stage 2 Detailed Risk Assessment) to be carried out, to further clarify the risk from UXO.

The Preliminary Risk Assessment uses the sources of information available to SafeLane Global in-house, to place a development in context with domestic military and conflict history.

This assessment has been produced in accordance with the CIRIA C681 Guidelines: *Unexploded Ordnance, a Guide for the Construction Industry, 2009*.

The report will assess the following:

- Extent of Proposed Intrusive Works
- Conflict History / Enemy Actions
- Domestic Aerial, Naval and Land-Based Military Activity
- Consideration of any Risk Mitigating Factors

The assessment is intended as a common sense 'first step' in the UXO risk management process.

Site Information

Site Address	Building 4, Trident Business Park, Basil Hill Road, Didcot, OX11 7HJ	
Centre Point NGR	SU 51313 91950	
Site Description	The site comprises a section of Didcot Power Station which includes several buildings / structures and areas of hard standing. A large portion of the site is undeveloped and encompasses soft open ground.	
Scope of The Proposed Works	None provided.	

Historical Site Conditions	
Ground Conditions during WWII	The site was located within a <i>Depot</i> , encompassing several storage buildings and open ground.
Degree of Access during WWII	the site will have seen regular use, however, more peripheral locations / open ground will have been accessed less frequently.

Aerial Bombing & Air Delivered UXO		
Enemy Action during WWII	Consideration	✓ or ✗
	Was the site location subject to an elevated bombing density?	✗
	Was the site located on / near to a confirmed Luftwaffe target?	✗
	Was the site located on / near to an opportunist bombing target (factories, industry, transport infrastructure etc)	✓
	Was the site located near to designated bombing decoy sites?	✗
	Are any confirmed bomb strikes located on / in the vicinity of the site? (Subject to available sources during the timeframe of this report).	✗
Abandoned Bombs	Are any abandoned bombs recorded on / near to the site?	✗

Military Activity & Allied UXO			
Historic Military Installations	Feature	Number within 5km	Distance to closest feature
	Airfield	1	3.7km north-east
	Defence Related Positions & Pillboxes	16	1.3km south-west
	Army Camps	2	On site
	Prisoner of War Camps	1	On site
	Military Training Areas & Firing Ranges	0	8.5km south-east
	Heavy Anti-Aircraft Batteries	0	11.6km north-west
	Sites related to the manufacture of Explosives & Explosive Ordnance	0	13.5km north
	Bombing Decoy Sites	0	6.4km west

Post-WWII Local UXO Encounters				
Explosive Ordnance Clearance Tasks	Number recorded within 5km		1	
	Number of UXO items discovered		6,000	
	Closest encounter to the site		1.3km south-west	
Press Articles	Number located within 5km		1	
	Location	Date	UXO Type	Distance from Site
	The Abbey Grounds Lake	24/11/2004	Numerous	4.8km north-west

Post-WWII Risk Mitigating Factors		
Post WWII Redevelopment / Intrusive Works	Consideration	✓ or ✗
	Has the site been developed / redeveloped post-WWII?	✓
	Has the site undergone post-WWII significant intrusive ground works (bulk excavation, piling etc.)?	✓
	Has the site undergone post-WWII shallow ground works (soil stripping, levelling etc.)?	✓
Post-WWII Clearance Works	Have any UXO mitigating clearance works been undertaken within the site?	✗

Conclusion	
No bombs were recorded to have landed in or around Didcot throughout WWII, and so the likelihood of German Air Dropped UXO contamination on the site is low.	
A POW camp, formerly a barracks, was located on the site which could have caused contamination of Allied small arms ammunition. Nearby army camps and a number of defensive features in the area could also have led to the site becoming contaminated by Allied UXO.	

Recommendations	
Taking into consideration the findings of the bespoke preliminary risk assessment, SafeLane Global considers the UXO risk at the site to be Medium .	
SafeLane Global recommends that a Stage 2 Detailed UXO Risk Assessment of the site is undertaken to clarify the UXO risk to the proposed works.	

