

S14 – Excavation Appraisal Form H&SGEO05

Name/no./grid reference	Site	Date	
	Tick as appropriate	Action required	Date for completion
Is the excavation existing or proposed?	Existing <input type="radio"/> Proposed <input type="radio"/>
Has the HSE been notified?	Yes <input type="radio"/> No <input type="radio"/>
Is there a design in place?	Yes <input type="radio"/> No <input type="radio"/>
Is an inspection form and site appraisal plan attached to this report?	Yes <input type="radio"/> No <input type="radio"/>
Are there any voids beneath the excavation?	Mines <input type="radio"/>	Natural caves & fissures <input type="radio"/>	Not known <input type="radio"/> Unlikely <input type="radio"/>
What is/will be the nature of the materials in the floor of the excavation?	Soil <input type="radio"/>	Peat <input type="radio"/>	Clay <input type="radio"/> Silt <input type="radio"/>
	Sand <input type="radio"/>	Gravel <input type="radio"/>	Rock <input type="radio"/> Made-up ground <input type="radio"/>
	Not known <input type="radio"/>	Other	
Does any pumping take place now, or is it anticipated in the future?	Yes <input type="radio"/>	No <input type="radio"/>	
What is/will be the maximum overburden thickness?	<1m <input type="radio"/>	1–7.5m <input type="radio"/>	>7.5m <input type="radio"/>
What is/will be the nature of the overburden?	Silt <input type="radio"/>	Peat <input type="radio"/>	Soil <input type="radio"/> Clay <input type="radio"/>
	Sand <input type="radio"/>	Gravel <input type="radio"/>	Rock <input type="radio"/> Made-up ground <input type="radio"/>
	Not known <input type="radio"/>	Other	



Is the bottom of any excavation/will the bottom of any excavation be more than 30m below any surrounding land within 30m of the perimeter? Yes No Not applicable

Has the excavation failed previously or is there evidence that it may be unstable? Yes No Unknown Not applicacable

If the excavation failed, what kind of failure would occur?

Mud flow	<input type="radio"/>	Surface Erosion	<input type="radio"/>	Circular failure	<input type="radio"/>
Sliding	<input type="radio"/>	Toe heave/bulge	<input type="radio"/>	Piping	<input type="radio"/>
Topping/bucking	<input type="radio"/>	Wedge	<input type="radio"/>	Floor heave	<input type="radio"/>
Other					

How large could the failure be? <100m3 100–1,000m3 >1,000m3

If the excavation moved, would be failed mass be likely to endanger?

Dwellings	<input type="radio"/>	Places of work on site	<input type="radio"/>	Places of work off site	<input type="radio"/>
Highways/railways/canals	<input type="radio"/>	Footpaths/bridleways/public amenities	<input type="radio"/>		
Water courses	<input type="radio"/>	Fences, hedges, agricultural land	<input type="radio"/>		
Overhead services	<input type="radio"/>	Buried services	<input type="radio"/>		
Other					

Highlight on the appraisal plan the likely direction and extent of any failure and those structures at risk

Could anybody be seriously injured or killed? Likely Unlikely

Note: The excavation will be a significant hazard if a tick was placed against any of the red choices above

It is therefore concluded that the excavation is/will be? A significant hazard Not a significant hazard



