

S14 – Solid Tip Appraisal Form H&SGEO04

Tip name/no./grid reference Site Date

	Tick as appropriate		Action required	Date of completion
Is the tip 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 tip?	Mines <input type="radio"/>	Natural caves & fissures <input type="radio"/>	Not known <input type="radio"/>	Unlikely <input type="radio"/>
What is the tip/will the tip be founded on?	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		
The soils beneath the tip were/will be?	Stripped <input type="radio"/>	Not stripped <input type="radio"/>	Not known <input type="radio"/>	
What internal foundation drainage measures are/will be in place?	Drainage blanket <input type="radio"/>	Strip drains <input type="radio"/>	None <input type="radio"/>	Not known <input type="radio"/>
	Other			
What is/will be the gradient of the foundation (before tipping)?	Horizontal <input type="radio"/>	Gently inclined <input type="radio"/>	Greater than 1 in 12 <input type="radio"/>	



What is/will be the nature of the tip material(s)?	Silt	<input type="radio"/>	Sludge	<input type="radio"/>	Dust/filler	<input type="radio"/>	Clay	<input type="radio"/>
	Topsoil	<input type="radio"/>	Subsoil	<input type="radio"/>	Overburden	<input type="radio"/>	Concrete	<input type="radio"/>
	Asphalt/macadam	<input type="radio"/>	Not known	<input type="radio"/>				
	Other							
The material was/will be?	End tipped	<input type="radio"/>	Layer placed	<input type="radio"/>	Compacted	<input type="radio"/>	Not known	<input type="radio"/>
The tip surface is/will be drained by?	Surface ditches	<input type="radio"/>	Perimeter ditches	<input type="radio"/>	Cut-off ditches	<input type="radio"/>	None	<input type="radio"/>
	Other							
The adjacent land is drained by?	Surface ditches	<input type="radio"/>	Perimeter ditches	<input type="radio"/>	Cut-off ditches	<input type="radio"/>	None	<input type="radio"/>
	Other							
The tip slopes are/will be?	Steeper than 1 in 1.5	<input type="radio"/>	Less than 1 in 3	<input type="radio"/>	Inbetween	<input type="radio"/>		
The surface of the top is/will be covered by?	Grass	<input type="radio"/>	Brush/scrub	<input type="radio"/>	Trees	<input type="radio"/>	Bare	<input type="radio"/>
The maximum height of the tip will be?	0–5m	<input type="radio"/>	5–10m	<input type="radio"/>	10–15m	<input type="radio"/>	>15m	<input type="radio"/>
The surface area covered by the tip will be?	0–5,000m ²	<input type="radio"/>	5,000–10,000m ²	<input type="radio"/>	>10,000m ²	<input type="radio"/>		
Has the tip failed previously or is there evidence that it may be unstable?	Yes	<input type="radio"/>	No	<input type="radio"/>	Unknown	<input type="radio"/>	Not applicable	<input type="radio"/>
If the tip failed, what kind of failure would occur?	Mud flow	<input type="radio"/>	Surface erosion	<input type="radio"/>	Foundation failure	<input type="radio"/>	Circular failure	<input type="radio"/>
	Toe heave/bulge	<input type="radio"/>						
How large could the failure be?	<100m ³	<input type="radio"/>	100–1,000m ³	<input type="radio"/>	>1,000m ³	<input type="radio"/>		



If the tip moved, would the 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"/>		<input type="radio"/>
Water courses	<input type="radio"/>	Overhead services	<input type="radio"/>	Buried services	<input type="radio"/>

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	<input type="radio"/>	Unlikely	<input type="radio"/>
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Note: The tip 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	<input type="radio"/>	Not a significant hazard	<input type="radio"/>
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Comments

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Signature of competent person carrying out inspection

Date

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Countersignature by geotechnical specialist

Date

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Date of next appraisal

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