

<b>Coal Tip Name</b>	<b>Godre'r-Graig Higher / Pentwyn No. 3 Levels</b>		<b>Tip Ref Number</b>	<b>L044C</b>	
			<b>Ownership Status</b>	<b>Unknown</b>	
<b>Located In</b>	<b>Godre'r-Graig Higher, Neath-Port Talbot</b>		<b>Tip Category</b>	<b>D</b>	
<b>Inspection Led By</b>		<b>Date of Inspection</b>	<b>16/02/2023</b>	<b>Date of last Inspection</b>	<b>07/07/2022</b>
<b>Weather</b>	<b>Overcast – Rain &amp; Fog</b>		<b>Wet</b>		<b>Calm</b>
<b>General Remarks</b> (e.g. access, limitations)	Access to the site was gained via an access track situated just off Graig Road, which leads to Pentwyn Farm. It should be noted that this inspection was conducted without the benefit of a detailed site plan. In certain areas, dense vegetation significantly limited accessibility and visual inspection. Therefore, instability within these areas could exist, but was not detectable at the time of the inspection. The location of the tip on privately owned land also limited the coverage of this inspection.				
<b>Features Causing Concern</b>			<b>Description</b>		
			i.	Poor condition and effectiveness of the shallow, unlined cut-off channel, located to the rear of the tip.	
			ii.	Uncontrolled flows, associated scouring and undercutting.	
<b>Item</b>		<b>Change to Condition</b> (New, Worse, No Change or N/A)	<b>Description</b>		
<b>Ground Movement</b>					
1	Within body of the tip	No Change	Distortion (curvature) of some trees, situated along the flank. Potentially indicative of shallow moving creep.		
		No Change	Several minor, shallow surface slips situated along the toe, adjacent to the access track. Natural ground material exposed along the slip surfaces, with a thin veneer of overlying spoil material evident.		
2	Above the tip	N/A	Cilmaengwyn Landslide (ID – 3549).		
3	Below the tip	N/A			
<b>Drainage</b>					
4	Surface drainage (e.g. ditches)	No Change	Vegetation and silt debris partially obstructing the shallow, unlined cut-off channel which runs parallel to the access track, located to the rear of the tip. Areas of choking flows along sections of the channel are evident. The channel is ineffectively capturing some flows, with surface runoff migrating downslope		

			along the access track. Flows conveying off-site, adjacent to the front drives/access tracks of residential houses, situated off the main access track.
5	Sub-surface drainage (e.g. French drains, inclined drains)	N/A	
6	Adits, tunnels & culverts	N/A	
7	Ponds & overflows	N/A	
8	Standing water (e.g. saturated ground)	No Change	Saturated ground conditions spatially associated with areas of seepages.
<b>Structures</b>			
9	Within body of the tip	N/A	
10	Other	N/A	
<b>Seepage</b>			
11	Within body of the tip	New	Seepage/flows emanating from an unknown brick structure ( ), located directly adjacent to the incised channel which skirts the eastern perimeter. Flows conveying towards the incised channel.
		No Change	Multiple seepages situated on the north-eastern section of the tip plateau. Flows appear to be conveying towards the incised channel which skirts the eastern boundary.
		No Change	Several seepages emanating from the toe of the tip, conveying downslope via the access track.
12	Above the tip	N/A	
13	Below the tip	N/A	
<b>Erosion</b>			
14	Surface erosion	N/A	
15	Physical erosion (e.g. scour, undercutting)	No Change	Scouring along the access track which skirts the toe, induced by the downslope migration of strong, uncontrolled runoff.
		No Change	Incised scouring along the eastern boundary, induced by strong flows associated with the unnamed issue/watercourse.

		No Change	Scoured, undercut sections of the toe, induced by conveying flows associated with seepages and the unnamed issue/watercourse which cascades onto the access track.
<b>Pollution &amp; Contamination</b>			
16	Invasive species	N/A	
17	Fly tipping	N/A	
<b>Land Use</b>			
18	Has the land use change	No Change	Vehicle and machinery situated on the north-eastern section of the tip plateau.
19	Has there been any excavation	N/A	
20	Has there been any material deposited	No Change	Sandstone quarry waste material, likely sourced from the nearby Cwar Pentwyn quarry is deposited on the north-eastern section of the tip plateau.
21	Is there sign of burning	N/A	
22	Security (e.g. fencing, access gates, signage)	No Change	'Private Property Keep Out' signage.
<b>Name</b>			
<b>Date</b>			
<b>Signature</b>			
<b>Approver</b>			
		21/2/2023	



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<b>Photo No.</b>	1	<b>Comment</b>	Vegetation and silt debris partially obstructing the shallow, unlined cut-off channel which runs parallel to the access track, located to the rear of the tip. Channel ineffectively capturing some flows (LHS), surface runoff migrating downslope, resulting in scouring of the access track. Some flows being conveyed towards the associated small diameter, cast iron culvert inlet (dashed red outline) as intended.



<b>Photo No.</b>	2	<b>Comment</b>	Vegetation and silt debris partially obstructing the shallow, unlined cut-off channel which runs parallel to the access track, located to the rear of the tip. Channel ineffectively capturing some flows, surface runoff migrating downslope, resulting in scouring of the access track. Private property signage present.



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<b>Photo No.</b>	3	<b>Comment</b>	Multiple seepages situated on the north-eastern section of the tip plateau, associated saturated ground conditions. Sandstone quarry waste material deposited on the plateau (RHS).



<b>Photo No.</b>	4	<b>Comment</b>	Seepages conveying from the north-eastern section of the plateau, towards the incised channel which skirts the eastern boundary.



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<b>Photo No.</b>	5	<b>Comment</b>	Seepage/flows emanating from an unknown brick structure, located directly adjacent to the incised channel which skirts the eastern perimeter.



<b>Photo No.</b>	6	<b>Comment</b>	Strong flows associated with the unnamed issue/watercourse, conveying along the eastern boundary. Seepage/flows (LHS) emanating from an unknown brick structure, conveying towards the incised channel.



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<b>Photo No.</b>	7	<b>Comment</b>	Incised scouring along the eastern boundary, induced by strong flows associated with the unnamed issue/watercourse.



<b>Photo No.</b>	8	<b>Comment</b>	Incised scouring along the eastern boundary, where the flows associated with the unnamed issue/watercourse cascade onto the access track.



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<b>Photo No.</b>	9	<b>Comment</b>	View looking north-west across the densely vegetated tip flank. Scoured, undercut section of the toe, where the unnamed issue/watercourse cascades onto the access track. Associated scouring of the adjacent access track, induced by the downslope migration of uncontrolled flows.



<b>Photo No.</b>	10	<b>Comment</b>	View looking across a minor, shallow surface slip situated along the toe, adjacent to the access track. Natural ground material has been exposed along the slip surface, with a thin veneer of overlying spoil material evident.