

<b>Coal Tip Name</b>	Godre'r-Graig Higher / Pentwyn No. 3 Levels		<b>UID</b>	T42668	
<b>Located in</b>	Godre'r Graig, Neath Port Talbot		<b>Tip Category</b>	D	
<b>Inspection Led by</b>		<b>Date of Inspection</b>	18/07/2025	<b>Date of last Inspection</b>	12/02/2025
<b>Weather</b>	Overcast		Dry	Calm	
<b>Comments on access and any limitations</b>	<p>Access to the site gained via an access track situated just off Graig Road, which leads to Pentwyn Farm.</p> <p>It should be noted that this inspection was conducted without the benefit of a detailed site plan; whilst in certain areas vegetation limited accessibility and visual inspection. Therefore, instability within these areas could exist but was not detectable at the time of the inspection.</p>				
	<b>Description</b>				<b>Status</b>
<b>RAG Status: Capital &amp; Maintenance Works</b>	Consider implementing appropriate drainage infrastructure to effectively capture the uncontrolled flows associated with the outfall of issues. Consider formalising/lining the flow pathway of the issues, to prevent further scouring (25/G/01/06).				<b>2</b>
	Desist from depositing natural ground material along the tip crest, as continued tipping has the potential to lead to structural instability across the slope below (25/L/05).				<b>2</b>
	<p>Consider the feasibility of implementing a retaining structure along the base of flank/toe of the tip, as it directly abuts an access track (25/G/02-03).</p> <p>Continue to monitor the condition of the retaining wall structure associated with the residential property of Glanderri for a deterioration (25/E/01).</p>				<b>3</b>
<b>General Remarks</b>	<p>An elongated lobe of colliery spoil material orientated north-east to south-west, formed by traditional loose-end tipping practice. The tip has been constructed with a plateau and a well-vegetated, steeply-sloping south-east facing flank. An access track abuts the toe of this flank. Most notably, issues emanating from the natural hillside to the rear of the site (which potentially contains historical mine entries) convey along the natural ground hillside just East of the site and skirt a partial length of the Eastern site perimeter, resulting in minor erosion via scour. These flows outfall at the access track at the toe of the tip resulting in instances of erosional scour along the access track, as the unlined trackside channel is ineffective in conveying flows. Just East of the toe of the tip, the residential property of Glanderri is located. The outfall of issues is located just off the driveway of the property, which has resulted in localised saturated ground conditions. The retaining wall associated with this property is also in poor condition, although not retaining tip material. Some evidence of minor, historical instability was noted along the toe of the tip, with minor seepages being reported previously. These seepages likely wax and wane depending on weather conditions. No evidence of recent ground movement observed at the time of inspection.</p>				

	<p><b>Condition changes since previous inspection:</b>          Little has changed in terms of previously identified features. Vegetation coverage across the upper section of the site has increased significantly, which may pose feature accessibility issues. Temporary fencing has been re-erected at the entrance to the access track which spans to the rear of the site. New observations include the bund and larger mound of natural ground material which has been deposited off the access track which spans the rear of the site, along the tip crest. Loading of the tip crest has the potential to lead to structural instability across the slope below, as such it is recommended to desist from further tipping within this location.</p>		
	Name	Signature	Date
<b>Author</b>			22/07/2025
<b>Approver</b>			11/8/2025

<b>OBSERVATIONS</b>				
<b>GEOTECHNICAL</b>				
<b>ID</b>	<b>Feature</b>	<b>Location</b>	<b>Comment</b>	<b>Change to Condition (New, Worse, None or N/A)</b>
25/G/01	Erosion	E-274886, N-206778	Minor erosion of natural ground noted at the outfall of the flow pathway of issues which skirt the Eastern perimeter of the tip body (Photo 4).	None
25/G/02	Slumping	E-274847, N-206774	A very small section of the toe of the tip has been subject to minor slumping, relating to a fallen, uprooted tree displacing a small amount of spoil material (Photo 5).	None
25/G/03	Minor Seepage	Toe of the Tip	Previously reported multiple, minor seepages emanating from the toe of the tip and conveying along the adjacent access track. At the time of inspection, no seepages were identified but it is assumed that they wax and wane depending on weather conditions. Very minor seepages present at time of inspection (Photo 6).	None
25/G/04	Backscarp	E-274813, N-206763	Minor, arcuate backscarp approximately 5m in width located along the Western section of the toe of the tip, indicating the presence of a historical, superficial surface slip (Photo 7).	None
25/G/05	Saturated Ground	E-274845, N-206825	Saturated ground conditions marked by reed growth and minor ponding observed along the upper, north-eastern section of the tip body. This is a longstanding feature of the site (Photo 11).	None
25/G/06	Erosion	E-274853, N-206816	Minor erosion of the tip body by the flow pathway of issues which skirt a small section of the Eastern site perimeter. Flows emanate from the natural ground hillside to the rear, which presumably contains historic mine entries. Flows outfall from this pathway adjacent to the residential property of Glanderri, as displayed in image 4 (Photo 12-13).	None
<b>Recommendations</b>			Consider implementing appropriate drainage infrastructure to effectively capture the uncontrolled flows associated with the outfall of issues. Consider formalising/lining the flow pathway of the issues, to prevent further scouring (25/G/01/06).	
			Consider the feasibility of implementing a retaining structure along the base of flank/toe of the tip, as it directly abuts an access track (25/G/02-03).	
<b>DRAINAGE</b>				
<b>ID</b>	<b>Feature</b>	<b>Location</b>	<b>Comment</b>	<b>Change to Condition (New, Worse, None or N/A)</b>
25/D/01	Channel	E-274919, N-206774	An unlined trackside channel spans the upper section of the access track leading to Pentwyn Farm. This access track is	None

			significantly scoured in places, indicating that flows escape the trackside channel during heavy rainfall (Photo 1).	
25/D/02	Culvert	E-274776, N-206736	Previously reported leaf litter obstructing flows from entering the trackside drain, located adjacent to the access track which spans just off the Western site perimeter. Leaf litter has since been removed (Photo 9).	N/A
<b>Recommendations</b>			N/A	
<b>ENGINEERING INFRASTRUCTURE</b>				
<b>ID</b>	<b>Feature</b>	<b>Location</b>	<b>Comment</b>	<b>Change to Condition</b> (New, Worse, None or N/A)
25/E/01	Retaining Wall	E-274907, N-206777	The retaining wall located along the property of Glanderi (located just east of the site) is in poor condition, with multiple minor seepages emanating from cracks/voids within the structure. Flows conveying along the base of this structure and enter an unlined, trackside channel. This has resulted in minor saturation along the base of the retaining wall (Photo 2).	None
<b>Recommendations</b>			Continue to monitor the condition of the retaining wall structure associated with the residential property of Glanderi for a deterioration (25/E/01).	
<b>INSTRUMENTATION &amp; MONITORING</b>				
<b>ID</b>	<b>Feature</b>	<b>Location</b>	<b>Comment</b>	<b>Change to Condition</b> (New, Worse, None or N/A)
N/A				
<b>Recommendations</b>				
<b>LAND USE</b>				
<b>ID</b>	<b>Feature</b>	<b>Location</b>	<b>Comment</b>	<b>Change to Condition</b> (New, Worse, None or N/A)
25/L/01	Deposition	E-274890, N-206779	Pallets and other miscellaneous materials discarded below the outfall of flow path of issues which skirts the Eastern perimeter of the tip body. Material deposited on the driveway of the residential property Glanderi (Photo 3).	None
25/L/02	Fencing	E-274780, N-206745	The temporary fencing at the entrance to the access track which climbs the Western site perimeter has been re-erected (Photo 8).	New
25/L/03	Deposition	E-274821, N-206794	Disused plant vehicle and associated equipment discarded on the north-western section of the tip plateau (Photo 10).	None

25/L/04	Vegetation Cover	Tip Body	The tip body is located within a woodland, as such is densely vegetated with a thick undergrowth of bramble and shrub, alongside many semi-mature and mature trees. The entry point to the upper section of the site is overgrown, which may result in future accessibility issues (Photo 14 & 17).	Worse
25/L/05	Deposition	E-274824, N-206804	Bund of natural ground material deposited along the tip crest at the NW section of the site, adjacent to the access track which skirts the rear of the site. A larger quantity of natural ground material has been deposited further along the access track. The origin of this material is unknown but does not appear to have been removed from within the site boundaries (Photo 15-16).	New
<b>Recommendations</b>			Desist from depositing natural ground material along the tip crest, as continued tipping has the potential to lead to structural instability across the slope below (25/L/05).	
<b>CONTAMINATION / GEO-ENVIRONMENTAL</b>				
<b>ID</b>	<b>Feature</b>	<b>Location</b>	<b>Comment</b>	<b>Change to Condition</b> (New, Worse, None or N/A)
N/A				
<b>Recommendations</b>				
<b>OTHER</b>				
<b>ID</b>	<b>Feature</b>	<b>Location</b>	<b>Comment</b>	<b>Change to Condition</b> (New, Worse, None or N/A)
N/A				
<b>Recommendations</b>				
<b>Any other remarks</b>			Receptors within vicinity to the site include the access track to Pentwyn Farm, which spans directly off the toe of the tip. The residential property of Glanderri is located just East of the site, with the outfall of issues located adjacent to the driveway of the property. Downslope of the site, approximately 70m+ the residential properties of Graig Road are located.	

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<b>Photo No.</b>	01	<b>Comment</b>	Scoured access track leading to Pentwyn Farm. Flows visible on LHS of image, conveying along an unlined, trackside channel at the toe of the tip.
<b>Feature ID</b>	25/D/01		



<b>Photo No.</b>	02	<b>Comment</b>	Minor seepages and saturated ground conditions observed adjacent to the retaining wall situated along the residential property of Glanderi, located just East of the site. This structure is in poor condition.
<b>Feature ID</b>	25/E/01		

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<b>Photo No.</b>	03	<b>Comment</b>	Pallets and other miscellaneous materials discarded below the outfall of flow path of issues which skirts the Eastern perimeter of the tip body. Material deposited on the driveway of the residential property Glanderri.
<b>Feature ID</b>	25/L/01		



<b>Photo No.</b>	04	<b>Comment</b>	View looking towards the outfall of the flow path of issues which skirt the Eastern perimeter of the tip body located further upslope. A small amount of natural ground material has been eroded adjacent to the outfall.
<b>Feature ID</b>	25/G/01		

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<b>Photo No.</b>	05	<b>Comment</b>	View from the access track which spans the toe, looking towards the small section of slumped material, likely associated with the uprooted tree visible at the base.
<b>Feature ID</b>	25/G/02		



<b>Photo No.</b>	06	<b>Comment</b>	View from the access track, looking across the steep lower section and toe of the tip flank. Previously, multiple minor seepages have been identified along the toe, which wax and wane depending on weather conditions.
<b>Feature ID</b>	25/G/03		

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<b>Photo No.</b>	07	<b>Comment</b>	View from the toe, looking towards the minor, arcuate backscarp approximately 5m in width indicating the presence of a historical, superficial surface slip.
<b>Feature ID</b>	25/G/04		



<b>Photo No.</b>	08	<b>Comment</b>	The temporary fencing at the entrance to the access track which climbs the Western site perimeter has been re-erected.
<b>Feature ID</b>	25/L/02		

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<b>Photo No.</b>	09	<b>Comment</b>	Trackside drain, located adjacent to the access track which spans just off the Western site perimeter is no longer obstructed by leaf matter.
<b>Feature ID</b>	25/D/02		



<b>Photo No.</b>	10	<b>Comment</b>	Disused plant vehicle and associated equipment discarded on the north-western section of the tip plateau.
<b>Feature ID</b>	25/L/03		

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<b>Photo No.</b>	11	<b>Comment</b>	Saturated ground conditions marked by reed growth and minor ponding observed along the upper, north-eastern section of the tip body.
<b>Feature ID</b>	25/G/05		



<b>Photo No.</b>	12	<b>Comment</b>	A moderate levels flows emanating from the hillside to the rear of the upper, north-eastern section of the site and potential historic mine entries convey along a partial length of the Eastern site perimeter, before conveying further downslope.
<b>Feature ID</b>	25/G/06		

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<b>Photo No.</b>	13	<b>Comment</b>	Flow pathway of issues which skirt a small section of the Eastern site perimeter, resulting in minor erosional scour.
<b>Feature ID</b>	25/G/06		



<b>Photo No.</b>	14	<b>Comment</b>	View from the upper slope, looking across the well-wooded tip body.
<b>Feature ID</b>	25/L/04		


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<b>Photo No.</b>	15	<b>Comment</b>	New observation. Shallow bund of natural ground material deposited along the NW section of tip crest, adjacent to the access track which spans to the rear of the site.
<b>Feature ID</b>	25/L/05		



<b>Photo No.</b>	16	<b>Comment</b>	Larger quantity of natural ground material tipped to the rear of the tip crest, adjacent to the access track which spans to the rear of the site.
<b>Feature ID</b>	25/L/05		

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<b>Photo No.</b>	17	<b>Comment</b>	Access point to the upper section of the site is overgrown, which may pose future accessibility issues.
<b>Feature ID</b>	25/L/04		