

Coal Tip Name	Godre'r-Graig Higher / Pentwyn No. 3 Levels		UID	T42668	
Located in	Godre'r Graig, Neath Port Talbot		Tip Category	D	
Inspection Led by		Date of Inspection	12/02/2025	Date of last Inspection	09/09/2024
Weather	Overcast		Dry	Calm	
Comments on access and any limitations	<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>				
	Description				Status
RAG Status: Capital & Maintenance Works	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).				2
	Consider removing the leaf litter obstructing flows from entering the trackside culvert structure at the Western site perimeter (25/D/02).				2
	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).				3
	Continue to monitor the condition of the retaining wall structure associated with the residential property of Glanderri for deterioration (25/E/01).				
General Remarks	<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>				

	Name	Signature	Date
Author			18/02/2025
Approver			18/2/2025

OBSERVATIONS				
GEOTECHNICAL				
ID	Feature	Location	Comment	Change to Condition (New, Worse, None or N/A)
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).	Worse
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 (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
Recommendations			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).	
DRAINAGE				
ID	Feature	Location	Comment	Change to Condition (New, Worse, None or N/A)
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 significantly scoured in places, indicating that flows escape the trackside channel during heavy rainfall (Photo 1).	None

25/D/02	Culvert	E-274776, N-206736	Leaf litter obstructing flows from entering the trackside drain, located adjacent to the access track which spans just off the Western site perimeter (Photo 9).	Worse
Recommendations			Consider removing the leaf litter obstructing flows from entering the trackside culvert structure at the Western site perimeter (25/D/02).	
ENGINEERING INFRASTRUCTURE				
ID	Feature	Location	Comment	Change to Condition (New, Worse, None or N/A)
25/E/01	Retaining Wall	E-274907, N-206777	The retaining wall located along the property of Glanderri (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
Recommendations			Continue to monitor the condition of the retaining wall structure associated with the residential property of Glanderri for a deterioration (25/E/01).	
INSTRUMENTATION & MONITORING				
ID	Feature	Location	Comment	Change to Condition (New, Worse, None or N/A)
N/A				
Recommendations				
LAND USE				
ID	Feature	Location	Comment	Change to Condition (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 Glanderri (Photo 3).	New
25/L/02	Fencing	E-274780, N-206745	The temporary fencing erected at the entrance to the access track which climbs the Western site perimeter has since fallen (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 (Photo 14).	None

Recommendations		N/A		
CONTAMINATION / GEO-ENVIRONMENTAL				
ID	Feature	Location	Comment	Change to Condition (New, Worse, None or N/A)
N/A				
Recommendations				
OTHER				
ID	Feature	Location	Comment	Change to Condition (New, Worse, None or N/A)
N/A				
Recommendations				
Any other remarks		<p>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 Glanderis 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.</p>		

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



Photo No.	02	Comment	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.
Feature ID	25/E/01		

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Photo No.	03	Comment	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.
Feature ID	25/L/01		



Photo No.	04	Comment	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
Feature ID	25/G/01		

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



Photo No.	06	Comment	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. At the time of inspection, no seepages were identified but it is likely that they wax and wane.
Feature ID	25/G/03		

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



Photo No.	08	Comment	The temporary fencing erected at the entrance to the access track which climbs the Western site perimeter has since fallen.
Feature ID	25/L/02		

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Photo No.	09	Comment	Leaf litter obstructing flows from entering the trackside drain, located adjacent to the access track which spans just off the Western site perimeter.
Feature ID	25/D/02		



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

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



Photo No.	12	Comment	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.
Feature ID	25/G/06		

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



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