

Coal Tip Name	Cwar Pentwyn Quarry / Cilmaengwyn	Tip Ref Number	L044B
		Ownership Status	Private
Located in	Godre'r Graig, Neath-Port Talbot	Tip Category	D
Led by		Undertaken on behalf of	Welsh Government
Date	08/11/2023	Date of last Detailed Inspection	05/09/2023
Weather	Overcast	Damp	Calm
Comments on access and any 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. 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.		
RAG Status: Capital & Maintenance Works	<p>Description</p> <p>Investigate ownership of the site and establish what measures, if any, have been taken with regard to placing recent materials over historic spoil.</p> <p>Investigate activity within Cwar Pentwyn to establish if planning or quarry regulations have been breached.</p> <p>Consider undertaking a UAV LIDAR survey. Consider undertaking a geotechnical assessment to fully ascertain the geotechnical characteristics of the tip.</p>		Status
General Remarks	<p>This site comprises of a disused spoil tip located tip located downslope and adjacent to Cwar Pentwyn Quarry. Relatively recent quarrying activity appears to have been operated for the extraction of road building material, as evidenced by the spoil mounds and relatively recently re-furbished access track. The densely overgrown nature of the site significantly limited (and in most cases prevented) accessibility and visual inspection of the composition of the spoil material. The eastern extent of the site was completely overgrown and inaccessible. The limited exposures of the spoil accounting for the western extent of the site appeared to comprise of clays, sandstone and shale material; likely being associated with the adjacent Quarry as opposed to coal workings. However, there are three recorded adits (274206-11; 274206-19; 274206-25) located just to the south-west of the site boundary; as well as the closely associated 'Godre'r Graig Higher / Pentwyn No. 3 Levels' coal tip just downslope (approx. 50 m). Therefore, despite no evidence of colliery spoil material being identified (during this visit) within the given site boundary; the poor accessibility means that the possibility of the presence of colliery spoil material cannot be completely discounted.</p>		
Author	Name	Signature	Date
			08/11/2023
Approver			28/11/2023

OBSERVATIONS			
GEOTECHNICAL			
ID	Feature	Location	Comment
23/G/01	Ponding	E - 274845 N - 206869	Issues (E - 274889, N - 206911) convey over an excavated face to the North of the site boundary. Flows convey towards the flat-lying ground/quarry floor, adjacent to the northern perimeter of the western section of the site. Resultant minor ponding and associated saturated ground conditions present.
Recommendations			
DRAINAGE			
ID	Feature	Location	Comment
N/A			
Recommendations			
ENGINEERING INFRASTRUCTURE			
ID	Feature	Location	Comment
N/A			
Recommendations			
INSTRUMENTATION & MONITORING			
ID	Feature	Location	Comment
N/A			
Recommendations			
LAND USE			
ID	Feature	Location	Comment
23/L/01	Vegetation Cover	E - 274877 N - 206856	The surfaces of the site are densely vegetated with grass, bracken, brambles, gorse and trees.
23/L/02	Signage	E - 274774 N - 206738	'Private Property Keep Out' signage situated on the access track which leads to Pentwyn Farm.
23/L/03	Land Use	E - 274880 N - 206890	Relatively recent quarrying activity appeared to have taken place, with machinery and mounds of excavated material present. Sandstone quarry waste material has been deposited on the north-eastern section of 'Godre'r-Graig Higher / Pentwyn No. 3 Levels' coal tip, located just downslope (approx. 50 m).
23/L/04	Land Use	E - 274868 N - 206891	Evidence of human activity within the Quarry floor, with the presence of machinery, chairs, a boat and electricity extension cables leading downslope (previously recorded as extending downslope towards the properties named 'Glanderi' and 'Darren View').
Recommendations			Investigate ownership of the site and establish what measures, if any, have been taken with regard to placing recent materials over historic spoil materials. Investigate activity within Cwar Pentwyn to establish if planning or quarry regulations have been breached. Consider undertaking a UAV LIDAR survey. Consider undertaking a geotechnical assessment to fully ascertain the geotechnical characteristics of the tip.

CONTAMINATION / GEO-ENVIRONMENTAL			
ID	Feature	Location	Comment
N/A			
Recommendations			
OTHER			
ID	Feature	Location	Comment
N/A			
Recommendations			
Any other remarks			

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Photo No.	1	Comment	Sandstone quarry waste material deposited on the north-eastern section of 'Godre'r-Graig Higher / Pentwyn No. 3 Levels' coal tip, located just downslope (approx. 50 m).
Feature ID	23/L/03		



Photo No.	2	Comment	Adit (274206-025) located just to the south-west of the site boundary; associated with the 'Godre'r-Graig Higher / Pentwyn No. 3 Levels' coal tip.
Feature ID	N/A		

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Photo No.	3	Comment	View looking towards the densely vegetated western extent of the site.
Feature ID	23/L/01		



Photo No.	4	Comment	View looking towards a small exposure of sandstones, shales and clays; situated within the densely vegetated western extent of the site.
Feature ID	23/L/01		

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Photo No.	5	Comment	View looking down the flank of the densely vegetated, eastern extent of the site. Image conveys associated accessibility issues.
Feature ID	23/L/01		



Photo No.	6	Comment	Evidence of human activity within the Quarry floor, with the presence of electricity extension cables leading downslope (previously recorded as extending downslope towards the properties named 'Glanderi' and 'Darren View').
Feature ID	23/L/04		

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Photo No.	7	Comment	Issues (E - 274889, N – 206911) convey over an excavated face to the North of the site boundary.
Feature ID	23/G/01		



Photo No.	8	Comment	Flows convey towards the flat-lying ground/quarry floor, adjacent to the northern perimeter of the western section of the site. Evidence of human activity within the Quarry floor; abandoned boat.
Feature ID	23/G/01 23/L/04		

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Photo No.	9	Comment	Minor ponding and associated saturated ground conditions present.
Feature ID	23/G/01		