



BP04

H5 Site Condition Report

1.0 Site Details	
Name of the applicant	Boomeco Limited
Activity address	Eastern Dock, Bird Port, Corporation Road, Newport, Gwent, NP19 4RE
National grid reference	ST 32979 85306

Document reference and dates for Site Condition Report at permit application and surrender	BP04
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Document references for site plans	Please see documents BP01 and BP08 for maps showing the proposed area to be permitted.
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2.0 Condition of the land at permit issue	
Environmental setting including: <ul style="list-style-type: none"> • Geology • Hydrogeology • Surface waters 	<p>Bird Port is a privately run Port located on the east bank of the River Usk in South East Wales and has been operated by the Cargo Services Group since 2004. The port consists of two docks offering three berths and has extensive warehousing. The site is accessed via the main Bird Port entrance security gate. The proposed Boomeco site inhabits a concrete wharf at the North East of the Eastern Dock. The storage area perimeter measures 50 meters wide by 70 meters long.</p> <p>Geology: The dock and surrounding land was originally a dry dock and was constructed in the 1860's. The dock was used as a dry dock until around 1960's and has since been used as a port facility. The British Geological Survey Geology Map (Scale 1:650000) shows the area to be underlain by Estuarine Alluvium underlain by Triassic Mercia Mudstone. The Alluvium generally consists of grey silty clay and fine sand. The wharf has a good concrete surface and has a general camber to the south west. Two bollards lie in the middle of the right side of the wharf edge. The wharf's entrance is gated, on either side of the dock entrance are two piers.</p> <p>Hydrogeology: The coping stone around the dock is approximately 20m ODN (Ordnance Datum Newlyn) with the surrounding area essentially flat with no significant topographic changes. The TAN 15 Development and Flood Risk map on the Welsh Government website shows Bird Port falls in the 'Zone C2: Without significant flood defence infrastructure'. All the surrounding areas fall within the 'Zone C1: Served by significant infrastructure, including flood defences'. The area is not known to have been flooded in the past. The EAW Groundwater Vulnerability map for the area indicates that almost the whole of the Caldicot levels area, where Tidal Flat Deposits overlies Mercia Mudstone, is considered a non-aquifer.</p> <p>Reference to Natural Resources Wales mapping indicates that the River Usk is the only Site of Special Scientific Interest (SSSI) in the</p>

	<p>area. Surface water will run-off or form a perched water table within the made ground. Wood fibre is hygroscopic and likely to retain natural precipitation. As the geology of the site is classified as Estuarine Alluvium over Mercia Mudstone and is a non-aquifer. Groundwater is therefore not regarded as a sensitive issue.</p> <p>Surface Waters: The wharf has a general slope to the south west. A drain sump is situated at the low section of the storage area that collects water from the proposed site area. The sump tank has a capacity of 6,000 litres and will be checked on a daily basis. When the tank requires emptying the water will be pumped back onto the stockpile to be soaked into the wood chippings.</p>
<p>Pollution history including:</p> <ul style="list-style-type: none"> • Pollution incidents that may have affected land • Historical land-uses and associated contaminants • Any visual/olfactory evidence of existing contamination • Evidence of damage to pollution prevention measures 	<p>The wharf has a flat concrete bottom with a covering of silt and meets with the ordinary requirements of NAABSA but with the ability to retain up to 6.2 metres of water depending on tidal conditions.</p> <p>Until present the wharf has functioned as a concrete wharf used for intermittent bulk and general storage functions prior to being exported. No visible/olfactory evidence of existing contamination is present.</p>
Evidence of historic contamination, for example, historical site investigation, assessment, remediation and verification reports (where available)	No record of any historical contamination on this wharf storage site was found.
Baseline soil and groundwater reference data	There is no vertical pathway to the subsoil or ground water. The surface is concrete on compacted aggregates over clay.
Supporting information	<ul style="list-style-type: none"> • Source information identifying environmental setting and pollution incidents • Historical Ordnance Survey plans • Site reconnaissance • Historical investigation/assessment/remediation/verification reports • Baseline soil and groundwater reference data

3.0 Permitted activities	
Permitted activities	<p><u>SR2010No13</u> Use of waste to manufacture timber or construction products. (Temporary storage of recovered wood specifications prior to export on seagoing coaster).</p> <p>Please see document BP06 for a summary of the proposed permitted activities.</p>
Non-permitted activities undertaken	None
Document references for:	<p>Please see document BP01 for a site map showing Bird Port and the proposed area to be permitted.</p> <p>Please see document BP05 for an H1 Environmental Risk Assessment.</p>