

INTERNAL MEMORANDUM

To: David Cross
From: Matt Davies (Ecologist)
Ext: 5278
Memo number: 3a
Date of previous memo: 20/01/2023
Date: 24/01/2023

SUBJECT: P/22/0192 | Provision of 29 camping pods, changing village, vehicle workshop, children's play area and associated access, drainage and landscape infrastructure | Gethin Woodland Centre A470 Pentrebach To Rhydycar Northbound Abercanaid Merthyr Tydfil CF48 1YZ

This planning application concerns Phase 3 of the development. The following are documents submitted in support of the application:

1. Ecological Impact Assessment Report. Land at Bike Park Wales, Merthyr Tydfil. Wildwood Ecology Ltd. Document Ref: WWE22067 ECIA **REV C Dated 16/01/2023**

Remaining requirements:

Lighting plan

- o A site lighting plan (including horizontal and vertical illuminance plans) must be produced. This must show the dark corridors and areas informed by the previous 2018 survey work and the 2022 autumn 'top-up' surveys. These dark areas would need to strictly conform to the criteria as set out in the following guidelines:

<https://theilp.org.uk/publication/guidance-note-8-bats-and-artificial-lighting/>

So, for dark corridors and areas, illuminance would need to be <0.2 lux on the horizontal plane and <0.4 lux on the vertical plane. Particularly important given the presence of lesser horseshoe bat.

Luminaires must also fully conform to the guidelines (for example, amongst other things they would need to have a colour temperature of <2700K and a peak wavelength of >550nm).

The use of red light could perhaps be considered.

Any and all measures to limit lighting only to 'where' it is required must be employed (e.g., perhaps bollard-style lighting, directional lighting, the use of baffles or hoods etc).

In addition, lighting must only be used 'when' it is required – there will need to be restrictions regarding when lighting will be operational (e.g., avoiding lights being left on all through the night).

The lighting plan should be developed with input from the ecologist to ensure the best outcome for bats and other species affected by Artificial Light At Night (ALAN).

In addition, all works will be undertaken in daylight hours only with no external lighting used.

When the lighting plan is produced, the it can then be referenced and discussed within the EclA document.

The lighting plan is preferably required prior to planning determination, but conditioning the lighting plan within the permission will be acceptable provided that the wording is appropriate. The lighting plan must be provided prior to commencement of any works and written approval from the LPA ecologist will be required in order to discharge the condition.

- All recommendations and measures outlined in Document 1 will be followed. An appropriately worded condition will be added to the decision notice. The planning condition will be used to ensure these recommendations and measures are undertaken to include evidence that they have been satisfactorily carried out.