

INTERNAL MEMORANDUM

To: Mel Ferreira (Planning case officer)
From: Matt Davies (Ecologist)
Ext: 5278
Memo #: 1

Date: 08th January 2021

SUBJECT: P/20/0262 | REMOVAL OF CONDITION H ATTACHED TO APPEAL DECISIONS APP6410/C/95/508749 AND APP6410/C/95/508750, WHICH CURRENTLY RESTRICTS THE USE OF THE FLOODLIGHTING (REMOVAL OF CONDITION APPLICATION) | MERTHYR MOTOR AUCTIONS PANT ROAD DOWLAIS MERTHYR TYDFIL CF48 3SH

The following documents have been submitted in support of this application:

- Jacobs: MMA Environmental Lighting Impact Assessment, B2191100/D2/1/2/310|R1, received: 29th October 2020.
- BE Ecological, Merthyr Motor Auctions, Ecological Assessment, Issue 2 1VB, received: 29th October 2020.
- 2463.R7 – MMA Lighting Report. Qoda Light (date of document not included)
- Planning Supporting Statement. Merthyr Motor Auctions. Removal of Condition Restricting Use of Lighting. HRT, October 2020

The proposed onsite lighting now conforms to ILP/BCT guidelines (<https://theilp.org.uk/publication/guidance-note-8-bats-and-artificial-lighting/>) and light spill along the eastern boundary of the site has been reduced.

However, in order to be acceptable, the light spill requires a further reduction along the hedgerow at the eastern boundary. Illuminance must be below 0.2lux on the horizontal plane and below 0.4lux on the vertical plane (<https://theilp.org.uk/publication/guidance-note-8-bats-and-artificial-lighting/>). These figures are in line with research findings for the illuminance found at hedgerows used, for example, by *Myotis* spp and lesser horseshoe bats, species well known for their light averse behaviour (Stone et al, 2012¹).

Also, in accordance with the Environment (Wales) Act 2016, enhancement measures are required. Suggestion for enhancement:

- Filling in any gaps along the boundaries of the site with planting, which should be native species of local or at least UK provenance.

¹ Stone, E.L., Jones, G., Harris, S. (2012). Conserving energy at a cost to biodiversity? Impacts of LED lighting on bats. Glob. Change Biol. 18, 2458-2465.