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Neath Port Talbot Council

Dear Planning Services,

Discharge of Condition Application – Pre-commencement condition 6

Land at Kenfig Industrial Estate, Margam, Port Talbot

This discharge of condition application is in respect of Condition 6 of planning consent “Erection of a single wind turbine up to 100m high to tip (up to 71m max rotor diameter) and installation of associated infrastructure.” (LPA Ref: P2022/0372).

Condition 6 states:

“Prior to commencing construction of any wind turbine generators, or deploying any construction equipment or temporal structure(s) 50 metres or more in height (above ground level) the undertaker must submit an aviation lighting scheme for the written approval of Neath Port Talbot Council in conjunction with the Ministry of Defence defining how the development will be lit throughout its life to maintain civil and military aviation safety requirements as determined necessary for aviation safety by the Ministry of Defence.

This shall set out:

- i. details of any construction equipment and temporal structures with a total height of 50 metres or greater (above ground level) that will be deployed during the construction of wind turbine generators and details of any aviation warning lighting that they will be fitted with; and*
- ii. the locations and heights of all wind turbine generators and any anemometry mast featured in the development identifying those that will be fitted with aviation warning lighting identifying the position of the lights on the wind turbine generators; the type(s) of lights that will be fitted and the performance specification(s) of the lighting type(s) to be used.*

Thereafter, the undertaker must exhibit such lights as detailed in the approved aviation lighting scheme. The lighting installed will remain operational for the lifetime of the development.

Reason: To maintain aviation safety in accordance with Policy RE1 of the LDP.”

Part i of Condition 6 – Construction Equipment and Temporal Structures

The crane will exceed 50m in height and an elevation of the crane is enclosed. The crane will have an aircraft warning control light positioned on the top of the boom. An example of the warning light is shown in the image below.

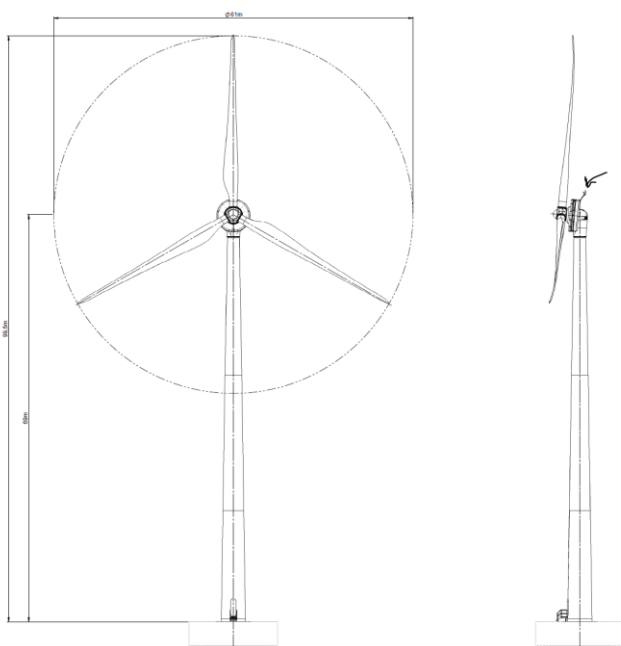


Part ii of Condition 6 - Aviation Warning Light

In compliance with MOD requirements, a 25 Candela omni-directional red lighting with an optimised flash pattern of 60 flashes per minute of 200ms to 500ms duration, will be installed on top of the generator of the WTG, integrated in the electrical system and control system of the WTG.

The position of the Aviation Warning Light (AWL) is positioned at the top of the generator as indicated in **Figure 1** below.

Figure 1: Turbine Elevation



The AWL is mounted with M6 fasteners onto the support as shown in Figure 2 below.

Figure 2 – Support with AWL

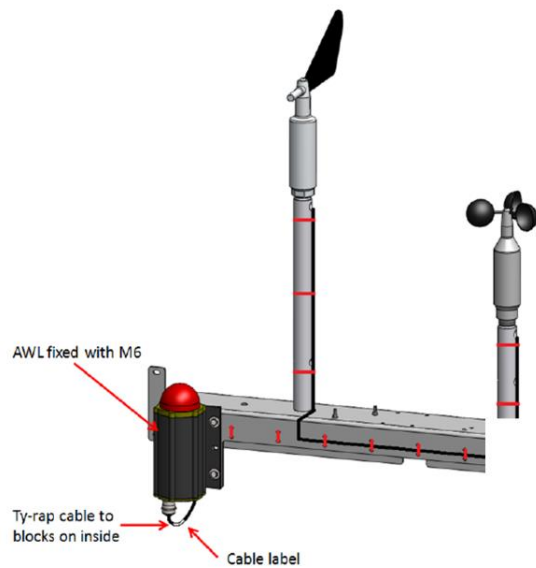
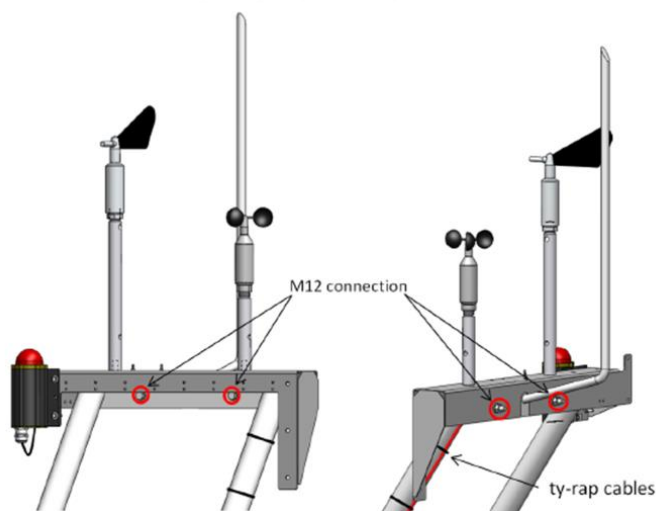


Figure 3 – Weather Station Support, but also shows location of AWL



The AWL will remain operational for the lifetime of the wind turbine.

I trust the above information is acceptable and Condition 6 can be discharged, but please let me know if you require any further information.

Yours sincerely,

L Tomos Harry

Laura Tomos Harry
Planning Associate