



Mark Hill
Head of Development Management
North York Moors National Park Authority
The Old Vicarage
Helmsley
York
North Yorkshire YO62 5BP

16th February 2022

Dear Mark,

Please find below the Arqiva Lighting plan that sets out our method for lighting the site during the construction and then post works, when the site becomes operational again. We have also referenced the Station Tower as it is within the same compound.

Bilsdale Lighting Plan

Existing Station Tower Construction

- Use of Station Tower specific floodlighting lighting to be phased out as soon as practical following transfer of services from Quarry Mast. Without undue delay, where possible, current lights to be pointed downwards and into the site to avoid unnecessary lighting of sky, save for when needed by Security in the event of potential trespassers on site, out of hours.
- Suitable Dark Night Skies compliant lighting to be installed at low level on welfare containers and Heras fencing for walkways and welfare compound.
- All lighting will be controlled by the Site Manager and to be switched off when no personnel remain on site at the end of the day.

Main Mast & Building Construction

- Save for aircraft warning lights which should be installed and utilised inline with CAA regulations:
 - Installation of new Dark Skies compliant lighting. Lamps angled down and max 3000k light colour (including replacing pre-disaster lighting).
 - 1x Floodlight, Stepil Generators SLT 5000 or equivalent, angled downwards where possible, until such time as site has been cleared of hazards. Target six weeks from time of consent.
 - Unless controlled via a sensor or remotely, all lighting to be controlled by the Site Manager/ Security and to be switched off when last person is off site working. This instruction to form part of documented site working procedures.

- Target to have no tower floodlighting to be used for any day to day construction activities within six weeks of consent (subject to availability in supply chain for alternates that have been identified. Arqiva to instruct our suppliers that we need these without any undue delay).
 - Lighting for car park , welfare and other areas whose designation has been changed temporarily for the construction, to be achieved using Dark Skies complaint lighting affixed to fencing, poles and where possible, existing structures.

Post Construction loong term Operational phase

- Save for aircraft warning lights which should be installed and utilised in line with CAA regulations:
 - Utilise 'new' Dark skies compliant building lighting installed for construction phase
 - Bulkhead and floodlighting (if required) to be compliant with max 3000k light colour and angled and/or shielded to target an outcome of 'zero upward light ratio' if feasible.
 - The design will review the practicality of proximity and/or remotely controlled lighting which would be from the perimeter to a control building, to light an un-resourced site as personnel arrive and allow them safe transit to the control building. All other lighting, unless controlled via a sensor or remotely, to be switched off when last person is off site working. This instruction to form part of documented site working procedures.

Yours Sincerely

Daniel Abda
Head of Estates Management