



Defence Infrastructure Organisation

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Ministry of Defence
Safeguarding Department
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Your Reference: 4/24/2057/OF1

Our Reference: DIO10062094

Heather Morrison
Cumberland Council
The Market Hall
Market Place
Whitehaven
Cumbria
CA28 7JG

4 April 2024

By email only

Dear Heather,

Application Reference: 4/24/2057/OF1

Site Name: Land to the West of The Energy Coast Business Park

Proposal: Proposed repowering of an existing 46.5m to blade tip wind turbine by installing a replacement 77m to blade tip wind turbine.

Site Address: Land to the West of The Energy Coast Business Park, Haile.

Thank you for consulting the Ministry of Defence (MOD) in relation to the full application through your communication 6 March 2024.

The Defence Infrastructure Organisation (DIO) Safeguarding Team represents the MOD as a consultee in UK planning and energy consenting systems to ensure that development does not compromise or degrade the operation of defence sites such as aerodromes, explosives storage sites, air weapon ranges, and technical sites or training resources such as the Military Low Flying System.

I am writing to tell you that, **subject to the conditions detailed in Appendix A**, the MOD has no objection to the proposed development.

The proposal concerns a development of 1 turbine with maximum blade tip heights of 77 metres above ground level. The proposed development has been assessed using the location data (Grid References) below provided in Planning Statement dated February 2024.

Turbine no.	Easting	Northing
1	302333	508327

The principal safeguarding concern of the MOD with respect to this development of a wind turbine relates to the potential to create a physical obstruction to air traffic movements.

Physical Obstruction

In this case the development falls within Low Flying Area 17 (LFA 17), an area within which fixed wing aircraft may operate as low as 250 feet or 76.2 metres above ground level to conduct low level flight training. The addition of turbines in this location has the potential to introduce a physical obstruction to low flying aircraft operating in the area.

To address this impact, and given the location and scale of the development, the MOD require conditions are added to any consent issued requiring that the development is fitted with aviation safety lighting and that sufficient data is submitted to ensure that structures can be accurately charted to allow deconfliction.

As a minimum the MOD would request the wind turbine is lit with no less than 25cd visible or infra-red (IR) lighting.

Summary

Subject to the two conditions requested above and provided in Appendix A, the MOD has no objections to the development.

The MOD must emphasise that the advice provided within this letter is in response to the information detailed in the developer's document titled "Location Plan" dated December 2023, "Turbine Elevation" dated January 2024 and "Planning Statement" dated February 2024. Any variation of the parameters (which include the location, dimensions, form, and finishing materials) detailed may significantly alter how the development relates to MOD safeguarding requirements and cause adverse impacts to safeguarded defence assets or capabilities. In the event that any amendment, whether considered material or not by the determining authority, is submitted for approval, the MOD should be consulted and provided with adequate time to carry out assessments and provide a formal response.

I hope this adequately explains our position on the matter. If you require further information or would like to discuss this matter further, please do not hesitate to contact me.

Further information about the effects of wind turbines on MOD interests can be obtained from the following websites:

MOD: <https://www.gov.uk/government/publications/wind-farms-ministry-of-defence-safeguarding>

Yours sincerely,

Stefany Alves Veronese

Stefany Alves Veronese
Assistant Safeguarding Manager

(Appendix A Enclosed)

Appendix A

Condition - Aviation Lighting

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 approval of the Cumberland 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 should set out:

- a) 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
- b) 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 for condition.

To maintain aviation safety.

Condition - Aviation Charting and Safety Management

The undertaker must notify the Ministry of Defence, at least 14 days prior to the commencement of the works, in writing of the following information:

- a) the date of the commencement of the erection of wind turbine generators;
- b) the maximum height of any construction equipment to be used in the erection of the wind turbines;
- c) the date any wind turbine generators are brought into use;
- d) the latitude and longitude and maximum heights of each wind turbine generator, and any anemometer mast(s).

The Ministry of Defence must be notified of any changes to the information supplied in accordance with these requirements and of the completion of the construction of the development.

Reason for condition.

To maintain aviation safety.