



Defence Infrastructure Organisation

Teena Oulaghan
Ministry of Defence
Safeguarding Department
St George's House
DIO Headquarters
DMS Whittington
Lichfield
Staffordshire
WS14 9PY

Your Reference: **ECU00003252**

Tel: 07970 170 934

Our Reference: **DIO10051197**

Email: teena.oulaghan100@mod.gov.uk

Nick Sage
Infinergy Ltd
93 Constitution Street
Leith
Edinburgh
EH6 7AE

7 December 2021

By email only

Dear Nick,

Application reference: **ECU00003252**
Site Name: **Tom Na Clach Wind Farm Extension**
Proposal: **Revised design of a scoping request - Developers reassessment only. 7 Turbines and no met masts.**
Site address: **8KM NE of Tomatin.**

Thank you for consulting the Ministry of Defence (MOD) in relation to the developers reassessment through your communication dated 23 November 2021.

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 application concerns a development of 7 turbines with maximum blade tip heights of 149.90 metres above ground level. The development has been assessed using the location data (Grid References) below.

Turbine no.	Easting	Northing
1	287046	835418
2	287546	835407
3	287203	834826
4	286951	834149
5	286341	833716
6	287624	834318

7	287070	833723
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The principal safeguarding concerns of the MOD with respect to this development of wind turbines relates to their potential to create a physical obstruction to air traffic movements.

Physical Obstruction

In this case the development falls within Low Flying Area 14 (LFA 14), 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. Suggested condition wordings are set out in Appendix A.

As a minimum the MOD would require that 25cd or infra-red (IR) lighting is installed on each of the perimeter turbines.

Summary

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

Defence Infrastructure Organisation Safeguarding wishes to be consulted and notified of any alterations or other submissions relating to this proposal in order that amendments can be checked for any additional impact on defence interests. Even the slightest change to the form and layout of the scheme may have significant impacts.

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,



Teena Oulaghan
Safeguarding Manager

(Enclosed: Appendix A)

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 Scottish Government 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.