



**Defence  
Infrastructure  
Organisation**

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

**Your Reference: CE3405-PR3766**

MoD Telephone: +44 (0)7970 170 934  
E-mail: Teena.oulaghan100@mod.gov.uk

**Our Reference: DIO10053505**

Claire Morrissey  
Clean Earth Energy  
Unit2a, 2b Bess Park Road  
Cornwall  
PL27 6HB

28 February 2022

By email only

Dear Claire,

**Please quote in any correspondence: DIO10053505**

**Site Name: Burngullow Turbine**

**Site Address: Land at Burngullow, Imerys Land, Cornwall, PL26 7TE**

Thank you for your pro-forma requesting pre-application advice from the Ministry of Defence (MOD) regarding your proposed wind energy development.

I am writing to inform you that the MOD may have concerns about the proposal. Our assessment has been carried out on the basis that there will be 1 turbine at 134.50 metres in height from ground level to blade tip and located at the grid references below:

<b>Turbine</b>	<b>Easting</b>	<b>Northing</b>
1	198378	054117

We have calculated that your development will be detectable by, one or more MOD radars as specified below. Consequentially, we may object should you proceed with a planning application for the development in its current form. At present we are not able to state definitively that we would object, as the MOD can only accurately assess the operational impact of the development at the point in time at which we are consulted on the application by a planning authority. Whether the operational impact of the development is deemed to be acceptable or unacceptable will be dependent on a variety of constraints including, but not limited to, the proliferation of other actual and potential turbine developments in the vicinity at that time. As we are not able to predict the level of turbine development in the area around your proposal at the time that a planning application is submitted, we cannot assess the full and actual operational impact of your development.

**Air Defence (AD) radar**

The turbine will be 32.5 km from and detectable by the AD radar at Portreath.

Wind turbines have been shown to have detrimental effects on the operation of radar. These include the desensitisation of radar in the vicinity and an increase in false alarm rate and a reduced probability of detection. Excessive turbine proliferation within a specific locality can result in an unacceptable degradation of the radar's operational integrity.

### **Low Flying**

Fixed Wing military low flying training takes place throughout the United Kingdom down to a height of 250ft above ground level and in certain designated areas down to a height of 100ft above ground level. A turbine development of the height and at the location you propose may have an impact on low flying operations. We have produced a map which indicates areas in the UK where the MOD is more likely or less likely to object to wind turbine planning applications on the grounds of interference with low flying operations. The following link will take you to this map, which has been produced only for guidance and does not offer definitive advice on the MODs position

<http://webarchive.nationalarchives.gov.uk/20140802171818/https://restats.decc.gov.uk/cms/aviation-safeguarding-maps/>

Regardless of whether we object to your proposal, it is probable the MOD will request the turbine be fitted with MOD accredited visible or infrared aviation safety lighting.

### **Meteorological Office Radar**

The Met Office is now a statutory consultee for planning relating to their technical infrastructure, therefore the MOD has not informed the Met Office of this pre-application. If your development falls within any of the Met Office safeguarded zones you will need to contact the Met Office directly. More information is available on the Met Office website at:

<http://www.metoffice.gov.uk/learning/library/publications/safeguarding>

Please note that DIO staff will not be able to provide any information regarding the operational impact of your development over and above that which is contained in this letter.

Unless directed otherwise, the Ministry of Defence will treat all pre-application information in confidence and the information will only be used or disclosed in accordance with the wishes of the confider.

MOD Safeguarding wishes to be consulted and notified about the progress of planning applications and submissions relating to this proposal to verify that it will not adversely affect defence interests.

I hope this adequately explains our position on the matter. Further information about the effects of wind turbines on MOD interests can be obtained from the following website:

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

Yours sincerely



Teena Oulaghan  
Safeguarding Manager