Our Case Number: ABP-309770-21

An Bord Pleanála

Kevin Coffey and Patricia O'Donoghue
Portnashangan
Multyfarnham
Mullingar
Co. Westmeath

Date: 19 May 2021

Re: Proposed development of up to 15 wind turbines with a tip height of up to 175 metres and laying of approximately 26km of underground electricity cabling to facilitate the connection to the national grid, and all associated site development works
Townlands of Camagh, Carlanstown, Coole, Clonrobert, Clonsura, Doon, Monktown, Mullagh, Newcastle and other townlands, Co. Westmeath

Dear Sir / Madam,

An Bord Pleanála has received your recent submission in relation to the above mentioned proposed development and will take it into consideration in its determination of the matter. A receipt for the fee lodged is enclosed.

The Board will revert to you in due course with regard to the matter.

Please be advised that copies of all submissions / observations received in relation to the application will be made available for public inspection at the offices of Westmeath County Council and at the offices of An Bord Pleanála when they have been processed by the Board.

More detailed information in relation to strategic infrastructure development can be viewed on the Board's website: www.pleanala.ie.

If you have any queries in the meantime please contact the undersigned officer of the Board. Please quote the above mentioned An Bord Pleanála reference number in any correspondence or telephone contact with the Board.

Teil	**Tel**	(01) 858 8100
Glao Áitiúil	**LoCall**	1890 275 175
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64 Sráid Maoilbhríde
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64 Marlborough Street
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Yours faithfully,

Niamh Thornton
Executive Officer
Direct Line: 01-8737247

PA04

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To: An Bord Pleanala

Case reference: ~~PA25M.309770~~

Portnashangan,

Multyfarnham,

Mullingar,

Co. Westmeath.

16.5.21

Dear Sir / Madam,

We are writing regarding the proposed development of a windfarm at Coole - refer : coolewindfarmsid.ie

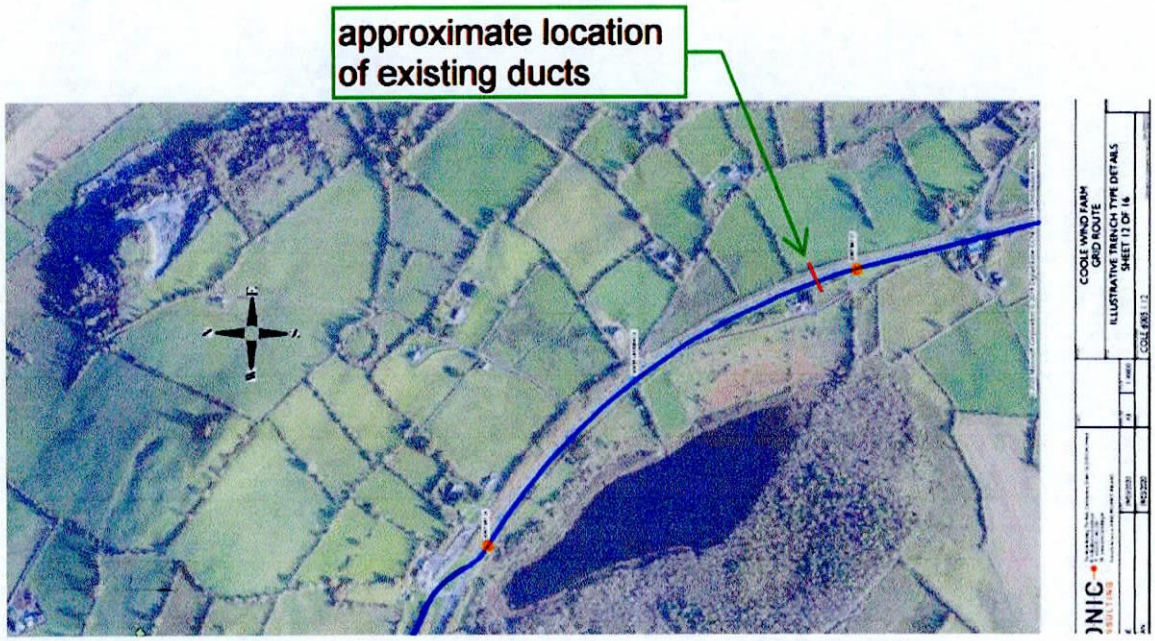
With regard to the proposed underground cabling connection to the national grid we have the following general questions which relate to the potential adverse health effects of Electro Magnetic Fields;

1. What are the maximum levels of magnetic field associated with the underground cables forecasted to be in terms of microTesla directly above the cables and at distances 1, 5, 10, 15, 20,25, 30, 35, 40,45, 50 ....metres from the cable.
2. What is the forecasted range of values of the magnetic field (in microTesla) throughout the day (and duration of those values) occurring in accordance with the predicted daily fluctuations in the current.
3. We would like the applicants to demonstrate how the forecasted values have been calculated.
4. We would like the applicants to confirm whether those forecasted magnetic field levels are within acceptable limits (in terms of effects on human health) and to advise us of which guidelines on electromagnetic fields and health effects (both Irish and International) are being applied. We would like the applicants to confirm if it is the case that there will be no adverse health effects from the magnetic fields associated with the cabling along the route at adjacent inhabited properties and the villages through which it will pass, and to state otherwise in detail if this is not the case.

We also have the following questions specific to our own property:

The proposed 110 kV cable passes along the N4 between our lands at Portnashangan. We have a duct crossing under the N4 put in place to allow future installation of low voltage electrical connection or communications or other services, to the lands south of the N4, from the lands north of the N4. This is

located at 90 degrees approximately to the proposed 110 kV cable (see below)



We request the applicant advise regarding the following:

1. What steps will be taken to avoid damage to these existing ducts or services within during installation of the 110 kV cable.
2. What steps will be taken to ensure safety of the Low voltage / communication cable, and to ensure no voltage or current is induced onto the low voltage or communication cables which could damage health or infrastructure elsewhere on our property. The construction team will need to be aware of the location of these ducts.
3. As we expect similar installations will be present in the ground along the entire (26 km) length of the 110 kV route, the applicants should demonstrate a methodology to find such similar installations, and demonstrate a methodology to avoid damage to each such service and obviously to prevent the occurrence of electrical accidents during construction and thereafter.

We further advise there are other services in the road verges (i.e. broadband, water) in the area of my lands and house which will need to be taken into consideration.

We would be grateful if answers can be provided to the above questions.

Yours Sincerely,

Kevin Coffey and Patricia O'Donoghue