

Sarah Gallagher

From: Matthew Craig <matthew.craig@2rn.ie> on behalf of Matthew Craig
Sent: Monday 12 August 2024 16:13
To: sgallagher@jodireland.com
Cc: windfarms; Sarah Moore; Johnny Evans
Subject: RE: Moanmore Wind Farm, Co. Clare

Hi Sarah,

The site will have no impact on 2rn's fixed linking.

Due to the risk of interference to broadcast services from Maghera we would ask that a protocol be signed between the developer and 2rn should the site go ahead.

Regards

Matthew Craig

Project Engineer

Projects and Coverage Planning

2RN

Block B, Cookstown Court, Old Belgard Road, Tallaght, Dublin 24, Ireland

D24 WK28

Phone: + 353 (0) 1 2082261

Mobile: + 353 (0) 87 7509955

From: Sarah Gallagher <sgallagher@jodireland.com>

Sent: Tuesday, August 6, 2024 12:52:35 PM (UTC+00:00) Dublin, Edinburgh, Lisbon, London

To: windfarms <windfarms@rte.ie>; Matthew Craig <matthew.craig@2rn.ie>

Cc: Sarah Moore <smoore@jodireland.com>

Subject: Moanmore Wind Farm, Co. Clare

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Dear Sir/Madam,

Please find attached Scoping Letter with Report in relation to the above mentioned project for your consideration.

We would be grateful if you could revert with any comments you may have on the proposed development at your earliest convenience.

Thanks and Kind regards,

Sarah Gallagher

Administrator



Head Office

Finisklin Business Park, Sligo, Ireland, F91 RHH9. [MAP](#)

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Sarah Gallagher

From: BCI Info <info@batconservationireland.org> on behalf of BCI Info
Sent: Wednesday 7 August 2024 11:00
To: Sarah Gallagher
Subject: RE: Moanmore Wind Farm, Co. Clare

Dear Sarah,

Thank you for your e-mail.

Unfortunately, as Bat Conservation Ireland is a very small organisation, with limited resources, we do not have the capacity to get involved in planning issues.

Please note that Bat Conservation Ireland is concerned that a request for our input/consultation/opinion/assistance on planning applications and reports, or objections/comments on same, can sometimes imply that we have been consulted for our opinion on planning matters when Bat Conservation Ireland does not, in fact, provide opinions or comments on developments. Therefore, please note that this response should not be construed as a consultation with Bat Conservation Ireland regarding any planning or development matter or proposal. In order to avoid misunderstandings, please do not use this terminology in your reports to describe this transaction.

Thank you for your understanding.

Yours sincerely

Dawn Quinn
Administrative Manager
Bat Conservation Ireland

Postal/Registered Address: Carmichael House, 4-7, North Brunswick Street, Dublin 7, D07 RHA8.

E-mail: admin@batconservationireland.org

Website: www.batconservationireland.org

Social Media: [Bat Conservation Ireland - Home](#) | [Facebook](#) | <https://twitter.com/BatConservIre>



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Bat Conservation Ireland. Company Limited by Guarantee (CRO) No. 494343. Charity Number (CRA): 20039417.

Website: www.batconservationireland.org | Registered Address: Carmichael House, 4-7, North Brunswick Street, Dublin 7, D07 RHA8.

From: Sarah Gallagher <sgallagher@jodireland.com>
Sent: Tuesday, August 6, 2024 11:50 AM
To: BCI Info <info@batconservationireland.org>

Cc: Sarah Moore <smoore@jodireland.com>
Subject: Moanmore Wind Farm, Co. Clare

Dear Sir/Madam,

Please find attached Scoping Letter with Report in relation to the above mentioned project for your consideration.

We would be grateful if you could revert with any comments you may have on the proposed development at your earliest convenience.

Thanks and Kind regards,

Sarah Gallagher

Administrator



Head Office

Finisklin Business Park, Sligo, Ireland, F91 RHH9. [MAP](#)

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Sarah Gallagher

From: Cathal MacCriostail <Cathal.MacCriostail@airnav.ie> on behalf of Cathal MacCriostail
Sent: Wednesday 14 August 2024 09:46
To: Sarah Gallagher
Cc: Sarah Moore; Paul Hennessy; Fergal Doyle; Gary Corrigan; Terry Symmans; Andrew Osborne; Charlie O'Loughlin; Planning; Jonathan Byrne
Subject: Moanmore Wind Farm, Co. Clare - AirNav Letter
Attachments: AirNav Ireland Letter to Jennings O'Donovan and Partners Ltd re. Moanmore Wind Farm Co.Clare.pdf
Importance: High

Dear Sarah,

As discussed in the thread below, please find attached a letter on behalf of AirNav Ireland in relation to our observations for this proposed development.

Kind regards,

Cathal



Cathal Mac Criostail
Airspace & Navigation | AirNav Ireland
P: (+353) 1 603 1508 **M:** (+353) 086 0527130
E: cathal.maccristail@airnav.ie
A: The Times Building, 11-12 D'Olier Street, Dublin 2

From: Sarah Gallagher <sgallagher@jodireland.com>
Sent: Tuesday, August 13, 2024 2:54 PM
To: Cathal MacCriostail <Cathal.MacCriostail@airnav.ie>
Cc: Sarah Moore <smoore@jodireland.com>; Paul Hennessy <paul.hennessy@snnairportgroup.ie>; Fergal Doyle <Fergal.Doyle@airnav.ie>; Gary Corrigan <Gary.Corrigan@airnav.ie>; Terry Symmans <Terry.Symmans@airnav.ie>; Andrew Osborne <Andrew.Osborne@airnav.ie>; Charlie O'Loughlin <Charlie.OLoughlin@airnav.ie>; Planning <planning@airnav.ie>; Jonathan Byrne <Jonathan.Byrne@airnav.ie>
Subject: RE: Moanmore Wind Farm, Co. Clare - AirNav Updated Response

Hi Cathal,

You can address the letter to
Sarah Moore,
Project Manager,
Jennings O'Donovan & Partners Limited,
Finisklin Business Park,
Sligo, F91 RHH9

Thanks and Kind Regards,

Sarah.

From: Cathal MacCriostail <Cathal.MacCriostail@airnav.ie>
Sent: Monday, August 12, 2024 3:48 PM
To: Sarah Gallagher <sgallagher@jodireland.com>
Cc: Sarah Moore <smoore@jodireland.com>; Paul Hennessy <paul.hennessy@snnairportgroup.ie>; Fergal Doyle <Fergal.Doyle@airnav.ie>; Gary Corrigan <Gary.Corrigan@airnav.ie>; Terry Symmans <Terry.Symmans@airnav.ie>; Andrew Osborne <Andrew.Osborne@airnav.ie>; Charlie O'Loughlin <Charlie.O'Loughlin@airnav.ie>; Planning <planning@airnav.ie>; Jonathan Byrne <Jonathan.Byrne@airnav.ie>
Subject: Moanmore Wind Farm, Co. Clare - AirNav Updated Response
Importance: High

Dear Sarah,

Our NAVIDS colleagues have also responded to confirm that there are no issues for AirNav equipment, associated with this proposed development.

This now puts me in a position where I can supply you with a letter confirming this.

Do you have a planning reference I can use, and should I address the letter to you or to the developer?

Kind regards,

Cathal



Cathal Mac Criostail
Airspace & Navigation | AirNav Ireland
P: (+353) 1 603 1508 M: (+353) 086 0527130
E: cathal.maccristail@airnav.ie
A: The Times Building, 11-12 D'Olier Street, Dublin 2

From: Charlie O'Loughlin <Charlie.O'Loughlin@airnav.ie>
Sent: Monday, August 12, 2024 10:48 AM
To: Cathal MacCriostail <Cathal.MacCriostail@airnav.ie>; Sarah Gallagher <sgallagher@jodireland.com>; Planning <planning@airnav.ie>
Cc: Sarah Moore <smoore@jodireland.com>; Paul Hennessy <paul.hennessy@snnairportgroup.ie>; Fergal Doyle <Fergal.Doyle@airnav.ie>; Gary Corrigan <Gary.Corrigan@airnav.ie>; Terry Symmans <Terry.Symmans@airnav.ie>; Andrew Osborne <Andrew.Osborne@airnav.ie>
Subject: RE: Moanmore Wind Farm, Co. Clare - AirNav Initial Response

Dear Sarah,

I can confirm that the location of the proposed development at 22nm from Shannon Airport, combined with a maximum elevation of c.165m Above Mean Sea Level (AMSL: Site elevation + Height of turbines) does not constitute an issue for AirNav Surveillance (radar) systems.

Regards



Charlie O'Loughlin
Manager Surveillance M&E Systems | AirNav Ireland
P: +353 61 366161 M: +353 877995218
E: charlie.oloughlin@airnav.ie

From: Cathal MacCriostail <Cathal.MacCriostail@airnav.ie>
Sent: Monday, August 12, 2024 10:10 AM
To: Sarah Gallagher <sgallagher@jodireland.com>; Planning <planning@airnav.ie>
Cc: Sarah Moore <smoore@jodireland.com>; Paul Hennessy <paul.hennessy@snnairportgroup.ie>; Fergal Doyle <Fergal.Doyle@airnav.ie>; Charlie O'Loughlin <Charlie.O'Loughlin@airnav.ie>; Gary Corrigan <Gary.Corrigan@airnav.ie>; Terry Symmans <Terry.Symmans@airnav.ie>; Andrew Osborne <Andrew.Osborne@airnav.ie>
Subject: Moanmore Wind Farm, Co. Clare - AirNav Initial Response
Importance: High

Dear Sarah,

Thanks for the attached received on Friday 9th August 2024.

I'm also aware that you have had contact with my counterpart in SAA, Paul Hennessy, copied.

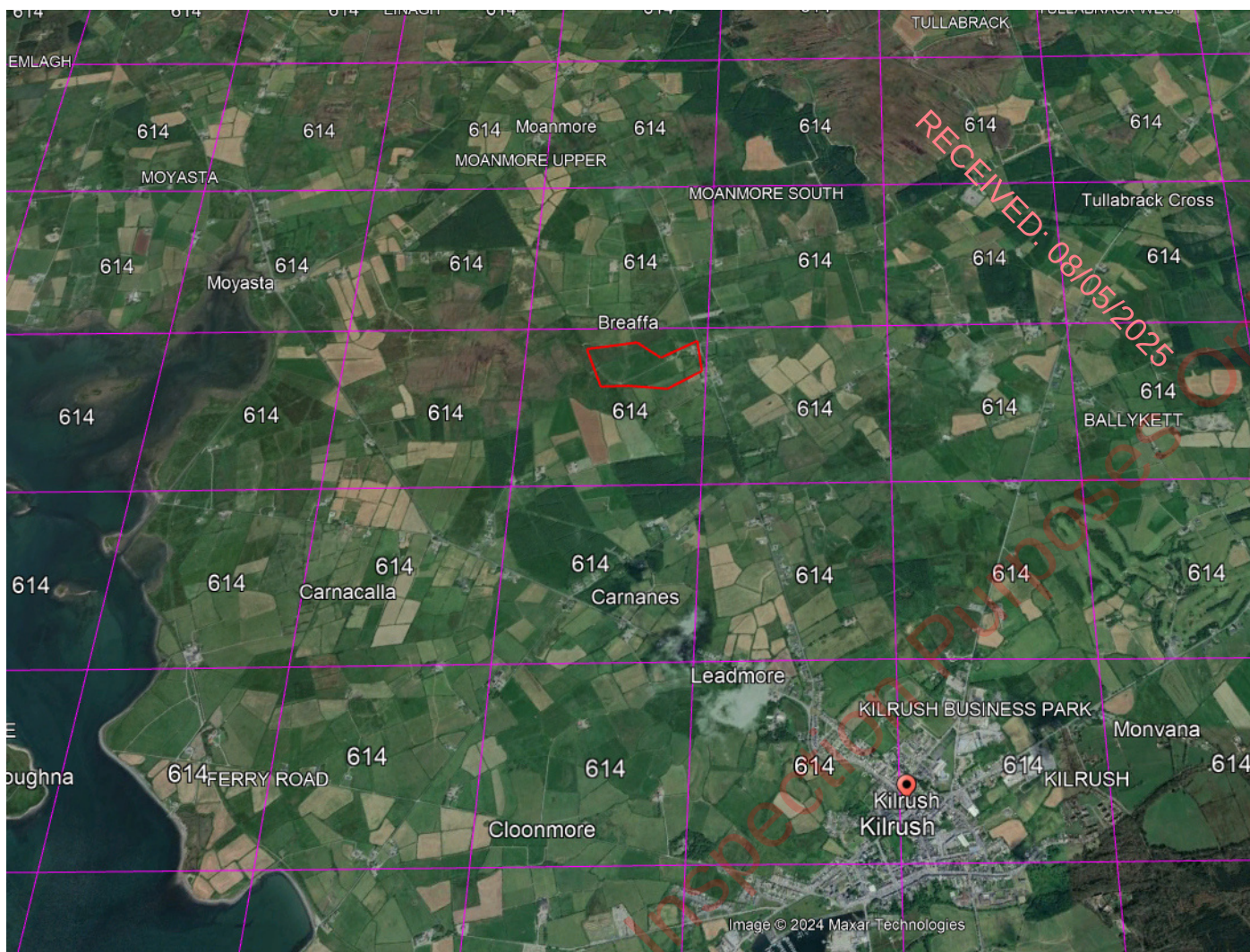
AirNav is responsible for the safeguarding of:

- Instrument Flight Procedures (IFPs) serving Shannon Airport
- Navigation Aids located at the airport
- Surveillance (Radar) system managed by AirNav

(Copied are colleagues from these departments for their review)

For my part, the location of the proposed development at 22nm from Shannon Airport, combined with a maximum elevation of c.165m Above Mean Sea Level (AMSL: Site elevation + Height of turbines) does not constitute an issue for the IFPs at Shannon Airport.

Below is a Google Earth depiction of the site with our IFP Safeguarding Gird overlayed.



I'm asking my colleagues copied to review and then I can supply a letter provided there are no NAVAIDs or Surveillance issues.

Kind regards,

Cathal



Cathal Mac Criostail
 Airspace & Navigation | AirNav Ireland
P: (+353) 1 603 1508 **M:** (+353) 086 0527130
E: cathal.maccristail@airnav.ie
A: The Times Building, 11-12 D'Olier Street, Dublin 2

From: Sarah Gallagher <sgallagher@jodireland.com>
Sent: Friday, August 9, 2024 4:21 PM
To: Cathal MacCriostail <Cathal.MacCriostail@airnav.ie>; Planning <planning@airnav.ie>
Cc: Sarah Moore <smoore@jodireland.com>
Subject: Moanmore Wind Farm, Co. Clare

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Dear Cathal,

Please find attached Scoping Letter with Report in relation to the above mentioned project for your consideration.

We would be grateful if you could revert with any comments you may have on the proposed development at your earliest convenience.

Thanks and Kind regards,

Sarah Gallagher

Administrator



Head Office

Finisklin Business Park, Sligo, Ireland, F91 RHH9. [MAP](#)

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Registered Number: 721281

Place of Registration: Ireland. A limited liability company.

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na hÉireann
ag trádáil mar AirNav na
hÉireann
Foirgneamh na hAmanna
11-12 Sráid D'Olier
Baile Átha Cliath 2, D02 T449,
Éire

The Irish Air Navigation
Service
trading as AirNav Ireland
The Times Building
11-12 D'Olier Street
Dublin 2, D02 T449,
Ireland

T: +353 1 6031505
www.airnav.ie



Sarah Moore,
Project Manager,
Jennings O'Donovan & Partners Limited,
Finisklin Business Park,
Sligo, F91 RHH9

Re. Moanmore Lower Wind Farm, Moanmore, Co. Clare.

Dear Sarah and to whom it may concern,

For the purposes of the planning application process as referenced above and in my capacity as AirNav Ireland Air Navigation Service Provider (ANSP) Manager Airspace and Navigation, I have reviewed the Moanmore Lower Wind Farm, Moanmore, Co. Clare. General Scoping Document received which was accompanied by your letter: Request for Scoping Opinion on information to be included in the preparation of an Environmental Impact Assessment (EIA) for Moanmore Lower Wind Farm, Moanmore Lower, Co. Clare.

There are three areas of interest for AirNav Ireland, in regard to safeguarding of:

- Instrument Flight Procedures (IFPs) serving Shannon Airport
- Navigation Aids located at the airport
- Surveillance (Radar) system managed by AirNav

The relevant teams have also reviewed the General Scoping Document to assess any potential impacts by this proposed Wind Farm.

In all cases above, no issues have been identified with this proposed development.

I may be contacted for any clarification if required, as follows:

Email: cathal.maccristail@airnav.ie
Mobile: (+353) 86 0527130


Cathal Mac Criostail
AirNav Ireland Manager Airspace and Navigation

14th August 2024
cc. Paul Hennessy, SAA
AirNav Ireland Planning, Surveillance and NAVAIDs Domains

Bord Stiúrthóirí/Board of Directors
Bryan Bourke (Chair)
Ethna Brogan
William Morrissey
Aoife McQuillan

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Dublin 2, D02 T449, Ireland
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Oifig Chláraithe:
Foirgneamh na hAmanna, 11-12 Sráid D'Olier
Baile Átha Cliath 2, D02 T449, Éire
Uimhir Chláraithe: 734291. **Áit Chláraithe:** Éire
Cuideachta Gníomhaíochta Ainmnithe

Sarah Gallagher

From: Roger Woods <rwoods@cnam.ie> on behalf of Roger Woods
Sent: Tuesday 6 August 2024 13:37
To: Sarah Gallagher
Cc: Sarah Moore
Subject: RE: Moanmore Wind Farm, Co. Clare

Hi Sarah

Coimisiún na Meán does not perform an in-depth analysis of the effect of wind turbines or electrical sub stations on FM networks. However, we are not aware of any issues from existing windfarms or electrical sub stations into existing FM networks. Also, the proposed sub station is not located close to any existing or planned FM transmission sites.

Regards

Roger
Innealtóir Feidhmiúcháin Sinsearach | Senior Executive Engineer

T: +353 (0)1 644 1200 | rwoods@cnam.ie



**Coimisiún
na Meán**

1 Áras Shíol Bhroinn, Bóthar Shíol Bhroinn, Baile Átha Cliath, D04 NP20, Éire.
1 Shelbourne Buildings, Shelbourne Road, Dublin, D04 NP20, Ireland.

Tá an ríomhphost seo ag aon iatán a ghabhann leis rúnda agus is leis an daine sin amháin a bhfuil siad seolta chige/chici a bhaineann siad. Mna daitse an ríomhphost seo, ní ceart é a léamh ná a scaoileadh chig aon tríú páirtí. Iarrtar ort teachtaireacht a sheoladh chig an seoltóir nó chig info@cnam.ie, ag aon ríomhphost seo a scríos.

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Déan machnamh ar an timpeallacht, le do thoil, roimh an ríomhphost seo a phriontáil.

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From: Sarah Gallagher <sgallagher@jodireland.com>
Sent: Tuesday, August 6, 2024 11:47 AM
To: Roger Woods <rwoods@cnam.ie>
Cc: Sarah Moore <smoore@jodireland.com>
Subject: Moanmore Wind Farm, Co. Clare

Dear Sir/Madam,

Please find attached Scoping Letter with Report in relation to the above mentioned project for your consideration.

We would be grateful if you could revert with any comments you may have on the proposed development at your earliest convenience.

Thanks and Kind regards,

Sarah Gallagher

Administrator



Head Office

Finisklin Business Park, Sligo, Ireland, F91 RHH9. [MAP](#)

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Sarah Gallagher

From: Environmental Co-ordination (Inbox) <Environmental.Co-ordination@agriculture.gov.ie> on behalf of Environmental Co-ordination (Inbox)
Sent: Wednesday 28 August 2024 10:06
To: 'sgallagher@jodireland.com'
Cc: 'smoore@jodireland.com'; Moran, Susan
Subject: FW: OFFICIAL: Moanmore Wind Farm, Co. Clare
Attachments: 6778_503_006 - Scoping Ltr Dept of Agriculture.pdf; Moanmore Wind Farm Co Clare.pdf

Good morning,

Please find comments/observations attached from our Felling Division.

Regards

Environmental Co-ordination Unit

From: Carroll, Roisin <Roisin.Carroll@agriculture.gov.ie>
Sent: Tuesday, August 6, 2024 1:56 PM
To: mmc-agriculture@spf2.cloud.gov.ie
Subject: OFFICIAL: Moanmore Wind Farm, Co. Clare

St5 and assign Jimmy Winston & share with Climate Change

From: Sarah Gallagher <sgallagher@jodireland.com>
Sent: Tuesday, August 6, 2024 12:03 PM
To: Minister <Minister@agriculture.gov.ie>
Cc: Sarah Moore <smoore@jodireland.com>
Subject: Moanmore Wind Farm, Co. Clare

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Dear Sir/Madam,

Please find attached Scoping Letter with Report in relation to the above mentioned project for your consideration.

We would be grateful if you could revert with any comments you may have on the proposed development at your earliest convenience.

Thanks and Kind regards,

??
Sarah Gallagher
??
Administrator

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Head Office

Finisklin Business Park, Sligo, Ireland, F91 RHH9. [??MAP](#)

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An Roinn Talmhaíochta, Bia agus Mara

Tá an t-eolas sa ríomhphost seo, agus in aon cheangaltáin leis, faoi rún agus tá sé dírithe ar an bhfaighteoir/na faighteoirí beartaithe amháin agus níor cheart ach dóibh siúd é a úsáid. D'fhéadfadh an t-eolas seo a bheith faoi réir pribhléid dlíthiúil agus ghairmiúil. Mura tusa faighteoir beartaithe an ríomhphost seo, níor cheart duit an teachtaireacht seo, nó aon chuid di, a úsáid, a nochtadh, a chóipeáil, a dháileadh nó a choinneáil. Má fuair tú an ríomhphost seo go hearráideach, cuir an seoltóir ar an eolas láithreach agus scrios gach cóip den ríomhphost seo ó chóra(i)s do ríomhaire, le do thoil.

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Moanmore Lower Green
Energy Ltd,
C/O Greensource Sustainable Limited
Station road
Adare
Co Limerck
V94C6HF

27TH August 2024

Re: Application for Proposed Moanmore Lower Wind Farm Development near Cooraclare, Kilrush, Co Clare.

Dear Sir/Madam,

The following are the comments from this Division in relation to the proposed development:

If the proposed development will involve the felling or removal of any trees, the developer must obtain a Felling License from this Department before trees are felled or removed. A Felling Licence application form can be obtained from **Felling Section, Department of Agriculture, Food and the Marine, Johnstown Castle Estate, Co. Wexford**. Email: felling.forests@agriculture.gov.ie or Web [gov.ie - Tree Felling Licences \(www.gov.ie\)](http://gov.ie - Tree Felling Licences (www.gov.ie))

A Felling Licence granted by the Minister for Agriculture, Food and the Marine provides authority under the Forestry Act 2014 to fell or otherwise remove a tree or trees and/or to thin a forest for silvicultural reasons. The Act prescribes the functions of the Minister and details the requirements, rights and obligations in relation to felling licences. The principal set of regulations giving further effect to the Forestry Act 2014 are the Forestry Regulations 2017 (S.I. No. 191 of 2017).

The developer should take note of the contents of **Felling and Reforestation Policy** document which provide a consolidated source of information on the legal and regulatory framework relating to tree felling; [gov.ie - Tree Felling Licences \(www.gov.ie\)](http://gov.ie - Tree Felling Licences (www.gov.ie)) As this development is within forest lands, particular attention should be paid to deforestation, turbulence felling and the requirement to afforest alternative lands.

In order to ensure regulated forestry operations in Ireland accord with the principles of sustainable forest management (SFM), as well fulfilling the requirements of other relevant environmental protection laws, the Department (acting through its Forest Service division) must undertake particular consultations, and give certain matters full consideration during the assessment of individual Felling Licence applications. This includes consultation with relevant bodies, the application of various protocols and procedures (e.g. Forest Service Appropriate Assessment Procedure), and the requirement for applicants on occasion to provide further information (e.g. a Natura Impact Statement).

Consequently, when the Forest Service is considering an application to fell trees, the following applies:

1. The interaction of these proposed works with the environment locally and more widely, in addition to potential direct and indirect impacts on designated sites and water, is



assessed. Consultation with relevant environmental and planning authorities may be required where specific sensitivities arise (e.g. local authorities, National Parks & Wildlife Service, Inland Fisheries Ireland, and the National Monuments Service);

2. Where a tree Felling Licence application is received, the Department will publish a notice of the application before making a decision on the matter. The notice shall state that any person may make a submission to the Department within 30 days from the date of the notice. The notices are published online at: gov.ie - [Felling Licence Applications \(www.gov.ie\)](http://www.gov.ie)
3. Third parties that make a submission or observation will be informed of the decision to grant or refuse the licence, and on request, details of the conditions attached to the licence, the main reasons and considerations on which the decision to grant or refuse the licence was based, and where conditions are attached to any licence, the reasons for the conditions. Both third parties and applicants will be also informed of their right to appeal any decision within 14 days to the Forestry Appeals Committee. Felling Licence decision are published online at:

gov.ie - [Felling Licence Decisions \(www.gov.ie\)](http://www.gov.ie)

It is important to note that when applying to a **Local Authority**, or **An Bord Pleanála**, for planning permission where developments are:

- a) subject to an EIA procedure (including screening in the case of a sub-threshold development) and any resulting requirement to produce an EIAR; and/or
 - b) subject to an Appropriate Assessment procedure (including screening) and any resulting requirement to a Natura Impact Statement (NIS); and
 - c) the proposed development in its construction or operational phases, or any works ancillary thereto, would directly or indirectly involve the felling and replanting of trees, deforestation for the purposes of conversion to another type of land use, or replacement of broadleaf high forest by conifer species,
1. that there is a requirement inter alia under the EIA Directive for an overall assessment of the effects of the project or the alteration thereof on the environment to be undertaken, including the direct and indirect environmental impact of the project;

and

2. pursuant to Article 2(3) of the EIA Directive, the Department of Agriculture, Food and the Marine strongly recommends that, notwithstanding the fact that a parallel consent in the form of felling licence may also have to be applied for, any EIAR and/or NIS produced in connection with the application for planning permission to the Local Planning Authority or An Bord Pleanála, should include an assessment of the impact of and measures, as appropriate, to prevent, mitigate or compensate for any significant adverse effects direct or indirect identified on the environment arising from such felling and replanting of trees, deforestation for the purposes of conversion to another type of land use, or replacement of broadleaf high forest by conifer species.



3. Please note that there must be absolute spatial consistency between the felling licence areas submitted to DAFM (second authority) and all related planning documents submitted to the first authority in respect of the felling area(s)

Neil O'Brien
Higher Executive Officer
Felling Section

RECEIVED: 08/05/2025

Clare Planning Authority - Inspection Purposes Only!



20th August 2024

Ms. Sarah Gallagher
Jennings O'Donovan Consulting Engineers
Head Office
Finisklin Business Park
Sligo
F91 RHH9

Reference No: DAFM-MMO-02099-2024

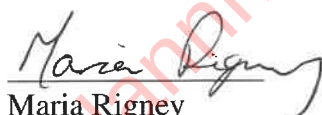
Dear Ms. Gallagher,

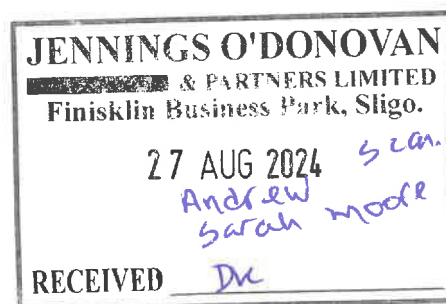
I would like to acknowledge your correspondence dated 06/08/2024 regarding Moanmore Wind Farm, Co. Clare.

Please be advised that your request for opinion has been forwarded to the Felling Division for Windfarms for observation and a response will issue regarding your request in due course.

Further correspondence of this nature can be forwarded directly to environmental_co-ordination@agriculture.gov.ie where Department officials will be happy to expedite future requests.

Yours sincerely,


Maria Rigney
Private Secretary



Sarah Gallagher

From: Defence Property Management Planning
<PropertyManagementPlanning@defence.ie> on behalf of Defence Property Management Planning
Sent: Thursday 15 August 2024 10:57
To: sgallagher@jodireland.com
Cc: Don Watchorn (Defence); Ruth Fleming Dunne (Defence); Philomena Evans (Defence); Bernie Tierney (Defence); Sarah Kelly (Defence)
Subject: RE: Moanmore Wind Farm, Co. Clare
Attachments: 15-08-2024 Observation Letter for Moanmore Lower Windfarm Co Clare.pdf

Dear Ms. Gallagher,

Re: EIAR for the proposed Moanmore Wind Farm Co Clare.

With reference to your email below and to Ms Moore's letter dated 06 August 2024, please see attached response from the Department.

Kind Regards,
Gillian

From: Defence Property Management Planning
Sent: Thursday 8 August 2024 10:04
To: 'sgallagher@jodireland.com' <sgallagher@jodireland.com>
Cc: Don Watchorn (Defence) <Don.Watchorn@defence.ie>; Ruth Fleming Dunne (Defence) <Ruth.FlemingDunne@defence.ie>; Philomena Evans (Defence) <Philomena.Evans@defence.ie>; Bernie Tierney (Defence) <Bernie.Tierney@defence.ie>; Sarah Kelly (Defence) <Sarah.Kelly@defence.ie>
Subject: FW: Moanmore Wind Farm, Co. Clare

Dear Ms. Gallagher,

The Department of Defence wishes to acknowledge receipt of your email below re: the EIAR scoping request for the proposed Moanmore Lower wind farm development.

We will consult with the relevant Military Authorities and we will revert in due course.

Kind Regards,
Gillian

Gillian Holden

Estate Management Branch

An Roinn Cosanta

Department of Defence

Bóthar an Stáisiúin, An Droichead Nua, Contae Chill Dara, W12 AD93.

Station Road, Newbridge, Co.Kildare, W12 AD93.

E-mail: gillian.holden@defence.ie

www.defence.ie

Follow us on Twitter: [Department of Defence](#) | [Civil Defence](#) | [Office of Emergency Planning](#)

From: Sarah Gallagher <sgallagher@jodireland.com>

Sent: Tuesday 6 August 2024 12:12

To: Defence Info <info@defence.ie>

Cc: Sarah Moore <smoore@jodireland.com>

Subject: Moanmore Wind Farm, Co. Clare

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Dear Sir/Madam,

Please find attached Scoping Letter with Report in relation to the above mentioned project for your consideration.

We would be grateful if you could revert with any comments you may have on the proposed development at your earliest convenience.

Thanks and Kind regards,

Sarah Gallagher

Administrator



Head Office

Finisklin Business Park, Sligo, Ireland, F91 RHH9. [MAP](#)

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chuig aon tríú páirtí gan cead roimh ré ón Roinn Cosanta.

Notice re Confidentiality: This e-mail and any attachment transmitted with it are confidential. They are intended solely for the use of the intended recipient and should not be read or released to any third party without the prior consent of the Department of Defence.

RECEIVED: 08/05/2025

Clare Planning Authority - Inspection Purposes Only!



Ms. Sarah Moore
Jennings O'Donovan & Partners Ltd.
Finisklin Business Park
Sligo
F91 RHH9

15 August 2024

Re: Request for Scoping Opinion on information to be included in the preparation of an Environmental Impact Assessment (EIA) for Moanmore Lower Wind Farm, Moanmore Lower, Co. Clare

Dear Ms. Moore,

I refer to your letter, dated 6th August 2024, in relation to a request for Scoping Opinion on information to be included in the preparation of an Environmental Impact Assessment (EIA) for Moanmore Lower Wind Farm, Moanmore Lower, Co. Clare.

I wish to advise at the outset that any determination in relation to a planning consent is solely a matter for the planning authorities and/or ABP, as appropriate. Therefore, the following observation is made on a non-prejudicial basis, and is not intended to be used to rely on for a prospective planning application, nor is this observation to be relied on in the event of any commercial transaction pertaining to such lands and it is not to be relied on in the event of any contract exchange pertaining to same.

As a matter of practice, the Department of Defence does not provide observations or advice in the scoping process, except where the relevant parties have been directed by a planning authority to seek the Department's views.

Based on the information supplied and following consultations with the subject matter in the Irish Air Corps, the Department of Defence wishes to make the following observations:

- All turbines should be illuminated by Type C, Medium intensity, Fixed Red obstacle lighting with a minimum output of 2,000 candela to be visible in all directions of azimuth and to be operational H24/7 days a week. Obstacle lighting should be incandescent or, if LED or other types are used, of a type visible to Night Vision equipment. Obstacle lighting used must emit light at the near Infra-Red (IR) range of the electromagnetic spectrum, specifically at or near 850



nanometres (nm) of wavelength. Light intensity to be of similar value to that emitted in the visible spectrum of light.

Any Irish Air Corps (IAC) requirements for are separate to Irish Aviation Authority (IAA) require

We would appreciate if you could keep us informed on any progress relating to this proposed development.

Nothing in the above observation shall be taken as a binding response by the Minister for Defence in the event that a planning application is made. The Minister reserves the right to comment on an actual planning application as and when it is submitted in accordance with the provisions of the planning regulatory code.

Please contact me if you have any queries in this regard.

Yours faithfully,

Sent via e-mail

Gillian Holden
Property Management Branch
Department of Defence
Station Road
Newbridge
Co. Kildare W12 AD93

Sarah Gallagher

From: Transport GCU <GeneralCo-OrdinationUnit@transport.gov.ie> on behalf of Transport GCU
Sent: Thursday 15 August 2024 17:16
To: Sarah Gallagher
Cc: Transport GCU
Subject: RE: Moanmore Wind Farm, Co. Clare
Attachments: 20240815 DoT Submission.docx

Dear Sarah,

Please find attached for your consideration submission on behalf of Department of Transport in relation to Moanmore Wind Farm, Co. Clare.

Kind regards
Jacqui

Jacqui Traynor
Central Policy, Coordination and Reform
An Roinn Iompair
Department of Transport
Lána Liosain, Baile Átha Cliath, D02 TR60
Leeson Lane, Dublin, D02 TR60
T +353 (0)1 604 1177
gcu@transport.gov.ie www.gov.ie/transport

From: Sarah Gallagher <sgallagher@jodireland.com>
Sent: Tuesday, August 6, 2024 12:14 PM
To: Transport GCU <GeneralCo-OrdinationUnit@transport.gov.ie>; Transport Department of Transport <info@transport.gov.ie>
Cc: Sarah Moore <smoore@jodireland.com>
Subject: Moanmore Wind Farm, Co. Clare

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Dear Sir/Madam,

Please find attached Scoping Letter with Report in relation to the above mentioned project for your consideration.

We would be grateful if you could revert with any comments you may have on the proposed development at your earliest convenience.

Thanks and Kind regards,
Sarah Gallagher
Administrator

Head Office

Finisklin Business Park, Sligo, Ireland, F91 RHH9. [MAP](#)

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Jennings O'Donovan and Partners Limited
Finisklin Business Park
Sligo
F91 RHH9

15th August 2024

Re: Request for Scoping Opinion on information to be included in the preparation of an Environmental Impact Assessment (EIA) for Moanmore Lower Wind Farm, Moanmore Lower, Co. Clare

The Department of Transport makes the following comments on consultation request relating to the Scoping Report for the proposed Moanmore Wind Farm in County Clare.

It should be noted that the Department considers the construction involved in providing this development and especially, the connection cables to the national grid may have effects on both the environment and the Regional and Local Road network.

Where the developer proposes the placement of any cables (or additional cables) in one or more trenches within the extents of the (regional and local) public road network, it is necessary to consider the following:

- Their presence within the public road will likely significantly restrict the Road Authority in carrying out its function to construct and maintain the public road and will likely add to the costs of those works post construction.
- Their installation within the lands associated with the public road may affect the stability of the road. In particular where the road is a "legacy road" (where there is no designed road structure and the subgrade may be poor or poorly drained) the design needs to take account of all the variable ground conditions and not be based on a sample of the general soil conditions.
- The possible effect on the remaining available road space (noting that there may be need to accommodate other utilities within the road cross-section in the future).



- The necessity to have the power in the cables switched off where the Road Authority considers this necessary in order to carry out its function to construct and maintain the public road.

The Department consider it important that the examination of the proposal should include consideration of the following:

- Examination of all available technologies and route options other than the routing of cables along the public road,
- Examination of options for connection to the national grid network at a point closer to the wind farm in order to reduce the adverse impact on public roads,
- Details of where within the road cross section cables are to be placed so as to minimise the effect on the Roads Authority in its role of construction and maintenance,
- Examination of details of any chambers proposed within the public road cross section so as to minimise the effect on the Roads Authority in its role of construction and maintenance,
- Elimination of permanent jointing bays from beneath the road pavement to protect the integrity of the road structure for the safety of those driving on the public road by eliminating hard spots and also preserve the road width for other utilities,
- Prevention of the attachment of cables to all bridge structures and culverts by diverting them beneath or away from these structures and,
- Rationalisation of the number of cables involved (including existing electric or possible future cables) and their diversion into one trench, in order to minimise the impacts on the road network and the environment along the road boundary (hedgerows).

The Department considers the following should be considered when applying conditions to any approval:

1. A condition requiring the specific approval of the local authority to the detail of the final route of cables through the public road space. If during construction there is a need to deviate from the detailed design then the approval of the local authority would again be sought. This would assist in minimising the impact on the public road.



2. A condition requiring the developer to comply with all appropriate standards and, inter alia the Guidelines for Managing Openings in Public Roads, 2017 in order to ensure orderly development.
3. A condition requiring that the location of the cables would be recorded as exactly as possible (maybe using BIM type technology) so as to facilitate the further use of road space for utilities and the maintenance/construction of the public road by the Roads authority. This record should include as constructed surveys of all infrastructure altered, added, removed, or relocated and exact detail of the road construction including any drains or other features encountered. The record should be lodged with the local authority and with the ESB Networks for retention on their records.
4. A condition to require the elimination of permanent jointing bays from under the road pavement to protect the integrity of the road structure, thereby improving safety for those driving on the public road by eliminating hard spots and preserving the road width for other utilities.
5. A condition requiring the developer to route cables away from bridge structures and specifically preventing the developer from attaching cables to road bridges. This would allow for the future maintenance of bridges without interruption of the electricity supply along the cables.
6. A condition requiring the replacement of culverts that have been excavated during the cable duct placement operation. The replacement culverts should be designed appropriately and include an allowance for the effects of climate change.
7. A condition requiring the developer to notify the Roads Authority of the owner of the cables (Owner) and the controller (Power Controller) of the power transmitted along the cables. In addition, the condition should require Owner and Power Controller to notify the Roads Authority of any change in ownership of the cables or change of Power Controller transmitting power along the cables. In all instances the Owner and Power Controller should be required to maintain an agreed contacts list with the Roads Authority.

Central Policy, Coordination and Reform

An Roinn Iompair

Department of Transport

Lána Liosain, Baile Átha Cliath, D02 TR60

Leeson Lane, Dublin, D02 TR60

T +353 (0)1 604 1177

gcu@transport.gov.ie www.gov.ie/transport

Sarah Gallagher

From: Wexford Receptionist <REC_WEX@epa.ie> on behalf of Wexford Receptionist
Sent: Tuesday 6 August 2024 16:16
To: Sarah Gallagher
Subject: Fw: Moanmore Wind Farm, Co. Clare
Attachments: 6778_503_015 - Scoping Ltr EPA.pdf; 6778 MSWF - General Scoping Document July 2024 Clean Final.pdf

A Chara,

Your correspondence on 06/08/2024 has been forwarded for attention. Tá do chomhfhreagras 06/08/2024 seolta ar aghaidh le haghaidh aird.

Le gach dea-ghuí

Martin Dwyer
Duty Receptionist | Facility Management & Sustainability
Office of Communications and Corporate Services, Wexford
Fáilteoir ar Dualgas | Foireann Seirbhísí Eagraíochtúla
An Oifig Cumarsáide agus Seirbhísí Corparáideacha, Loch Garman



053-9160600 (Direct dial)

info@epa.ie

www.epa.ie



From: Sarah Gallagher <sgallagher@jodireland.com>
Sent: Tuesday, August 6, 2024 12:29
To: Wexford Receptionist <REC_WEX@epa.ie>
Cc: Sarah Moore <smoore@jodireland.com>
Subject: Moanmore Wind Farm, Co. Clare

Dear Sir/Madam,
Please find attached Scoping Letter with Report in relation to the above mentioned project for your consideration.
We would be grateful if you could revert with any comments you may have on the proposed development at your earliest convenience.

Thanks and Kind regards,

Sarah Gallagher

Administrator



Head Office

Finisklin Business Park, Sligo, Ireland, F91 RHH9. [MAP](#)

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Sarah Gallagher

From: DECC Planning Notifications <PlanningNotifications@decc.gov.ie> on behalf of DECC Planning Notifications
Sent: Tuesday 20 August 2024 14:36
To: Sarah Gallagher
Cc: Sarah Moore
Subject: RE: Moanmore Wind Farm, Co. Clare
Attachments: 20240820_GSI Submission.pdf

Dear Sarah,

Please see attached a submission on behalf of Geological Survey Ireland (a division of the Department of the Environment, Climate and Communications) with regard to the subject entity.

Please send an acknowledgement of receipt to PlanningNotifications@decc.gov.ie at your earliest convenience.

Many thanks,
Luke Thompson

Luke Thompson, Administrative Officer
Planning Advisory Division

An Roinn Comhshaoil, Aeráide agus Cumarsáide
Department of the Environment, Climate and Communications

Teach Tom Johnson, Bóthar Haddington, Baile Átha Cliath, D04 K7X4
Tom Johnson House, Haddington Road, Dublin, D04 K7X4

PlanningNotifications@decc.gov.ie

From: Sarah Gallagher <sgallagher@jodireland.com>
Sent: Tuesday, August 6, 2024 12:08 PM
To: DECC Planning Notifications <PlanningNotifications@decc.gov.ie>
Cc: Sarah Moore <smoore@jodireland.com>
Subject: Moanmore Wind Farm, Co. Clare

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Dear Sir/Madam,

Please find attached Scoping Letter with Report in relation to the above mentioned project for your consideration.

We would be grateful if you could revert with any comments you may have on the proposed development at your earliest convenience.

Thanks and Kind regards,
Sarah Gallagher

Administrator



Head Office

Finisklin Business Park, Sligo, Ireland, F91 RHH9. [MAP](#)

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Sarah Moore
Jennings O'Donovan and Partners Limited
Finisklin Business Park
Sligo, F91 RHH9

19 August 2024

Re: Request for Scoping Opinion on information to be included in the preparation of an EIA for Moanmore Lower Wind Farm, Moanmore Lower, Co. Clare

Your Ref: 6778/503/008/SM

Our Ref: 24/297

Dear Sarah,

Geological Survey Ireland is the national earth science agency and is a division of the Department of the Environment, Climate and Communications. We provide independent geological information and gather various data for that purpose. Please see our [website](#) for data availability. We recommend using these various data sets, when conducting the EIAR, SEA, planning and scoping processes. Use of our data or maps should be attributed correctly to 'Geological Survey Ireland'.

The publicly available data referenced/presented here, should in no way be construed as Geological Survey Ireland support for or objection to the proposed development or plan. The data is made freely available to all and can be used as independent scientific data in assessments, plans or policies. It should be noted that in many cases this data is a baseline or starting point for further site specific assessments.

With reference to your email received on the 13 August 2024, concerning the proposed Moanmore Lower Wind Farm, Moanmore Lower, Co. Clare, Geological Survey Ireland would encourage use of and reference to our datasets. Please find attached a list of our publicly available datasets that may be useful to the environmental assessment and planning process. We recommend that you review this list and refer to any datasets you consider relevant to your assessment. The remainder of this letter and following sections provide more detail on some of these datasets.

Geoheritage

A national inventory of geoheritage sites known as County Geological Sites (CGSs) is managed by the Geoheritage Programme of Geological Survey Ireland. CGSs, as adopted under the National Heritage Plan, include sites that are of national importance which have been selected as the very best examples for NHA (Natural Heritage Areas) designation. NHA designation will be completed in partnership with the National Parks and Wildlife Service (NPWS). CGSs are now routinely included in County Development Plans and in the GIS of planning departments, to ensure the recognition and appropriate protection of geological heritage within the planning system. CGSs can be viewed online under the Geological Heritage tab on the online [Map Viewer](#).

The audit for Co. Clare was completed in 2005. The full report details can be found [here](#). **Our records show that there are no CGSs in the vicinity of the proposed Wind Farm.**

Groundwater

Geological Survey Ireland's [Groundwater and Geothermal Unit](#), provides advice, data and maps relating to groundwater distribution, quality and use, which is especially relevant for safe and secure drinking water supplies and healthy ecosystems. Proposed developments need to consider any potential impact on specific groundwater abstractions and on groundwater resources in general. We recommend using the groundwater maps on our [Map viewer](#) which should include: wells; drinking water source protection areas; the national map suite - aquifer, groundwater vulnerability, groundwater recharge and subsoil permeability maps. For areas underlain by limestone, please refer to the karst specific data layers (karst features, tracer test database; turlough water levels (gwlevel.ie). Background information is also provided in the Groundwater Body Descriptions. Please read all disclaimers carefully when using Geological Survey Ireland data.

The Groundwater Data Viewer indicates an aquifer classed as a 'Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones' underlies the proposed development. The Groundwater Vulnerability map indicates the area covered is classed as 'Low' to 'Moderate' Vulnerability.



[GWClimate](#) is a groundwater monitoring and modelling project that aims to investigate the impact of climate change on groundwater in Ireland. This is a follow on from a previous project (GWFlood) and the data may be useful in relation to Flood Risk Assessment (FRA) and management plans. Maps and data are available on the [Map viewer](#).

Geological Survey Ireland has completed Groundwater Protection Schemes (GWPSs) in partnership with Local Authorities, and there is now national coverage of GWPS mapping. A Groundwater Protection Scheme provides guidelines for the planning and licensing authorities in carrying out their functions, and a framework to assist in decision-making on the location, nature and control of developments and activities in order to protect groundwater.

The Groundwater Protection Response overview and link to the main reports is here: <https://www.gsi.ie/en-ie/programmes-and-projects/groundwater/projects/protecting-drinking-water/what-is-drinking-water-protection/county-groundwater-protection-schemes/Pages/default.aspx>

Geological Mapping

Geological Survey Ireland maintains online datasets of bedrock and subsoils geological mapping that are reliable and accessible. We would encourage you to use these data which can be found [here](#), in your future assessments.

Please note we have recently launched QGIS compatible bedrock (100K) and Quaternary geology map data, with instructional manuals and videos. This makes our data more accessible to general public and external stakeholders. QGIS compatible data can be found in our downloadable bedrock 100k .zip file on the [Data & Maps](#) section of our website.

Geohazards

Geohazards can cause widespread damage to landscapes, wildlife, human property and human life. In Ireland, landslides, flooding and coastal erosion are the most prevalent of these hazards. We recommend that geohazards be taken into consideration, especially when developing areas where these risks are prevalent, and we encourage the use of our data when doing so.

Geological Survey Ireland has information available on landslides in Ireland via the National Landslide Database and Landslide Susceptibility Map both of which are available for viewing on our dedicated [Map Viewer](#). Associated guidance documentation relating to the National Landslide Susceptibility Map is also available.

Geological Survey Ireland also engaged in a national project on Groundwater Flooding. The data from this project may be useful in relation to Flood Risk Assessment (FRA) and management plans, and is described in more detail under 'Groundwater' above.

Natural Resources (Minerals/Aggregates)

Geological Survey Ireland provides data, maps, interpretations and advice on matters related to minerals, their use and their development in our [Minerals section](#) of the website. The Active Quarries, Mineral Localities and the Aggregate Potential maps are available on our [Map Viewer](#).

We would recommend use of the Aggregate Potential Mapping viewer to identify areas of High to Very High source aggregate potential within the area. In keeping with a sustainable approach we would recommend use of our data and mapping viewers to identify and ensure that natural resources used in the proposed development are sustainably sourced from properly recognised and licensed facilities, and that consideration of future resource sterilization is considered.

Geochemistry of soils, surface waters and sediments

Geological Survey Ireland provides baseline geochemistry data for Ireland as part of the Tellus programme. Baseline geochemistry data can be used to assess the chemical status of soil and water at a regional scale and to support the assessment of existing or potential impacts of human activity on environmental chemical quality. Tellus is a national-scale mapping programme which provides multi-element data for shallow soil, stream sediment and stream water in Ireland. At present, mapping consists of the border, western and midland regions. Data is available at <https://www.gsi.ie/en-ie/data-and-maps/Pages/Geochemistry.aspx>.



Guidelines

The following guidelines may also be of assistance:

- Institute of Geologists of Ireland, 2013. Guidelines for the Preparation of the Soils, Geology and Hydrogeology Chapters of Geology in Environmental Impact Statements.
- [EPA, 2022](#). Guidelines on the information to be contained in Environmental Impact Assessment Reports (EIA)

Other Comments

Should development go ahead, all other factors considered, Geological Survey Ireland would much appreciate a copy of reports detailing any site investigations carried out. The data would be added to Geological Survey Ireland's national database of site investigation boreholes, implemented to provide a better service to the civil engineering sector. Data can be sent to the Geological Mapping Unit, at <mailto:GeologicalMappingInfo@gsi.ie>, 01-678 2795.

I hope that these comments are of assistance, and if we can be of any further help, please do not hesitate to the Geological Survey Ireland Planning Team at GSIPlanning@gsi.ie.

Yours sincerely,

Geoheritage and Planning Programme

Enc: Table - Geological Survey Ireland's Publicly Available Datasets Relevant to Planning, EIA and SEA processes.

Geological Survey Ireland's Publicly Available Datasets Relevant to Planning, EIA and SEA processes
following European Union (Planning and Development) (Environmental Impact Assessment) Regulations 2018
(S.I. No. 296 of 2018)

Geological Survey Ireland Programme	Dataset	Relevant EIA Topic	Coverage	Description / Notes	Link to Geological Survey Ireland map viewer
Geohazards	Landslide: National landslide database and landslide susceptibility map	Land & Soil/Climate/Landscape	National	Associated guidance documentation relating to the National Landslide Susceptibility Map is also available.	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=0b3cf1e4a9044a5981f950e9b9c5625c
Geohazards	Groundwater Flooding (Historic)	Water	Regional	Provide information of historic flooding, both surface water and groundwater. [A lack of flooding presented in any specific location of the map only indicates that a flood has not been detected. It does not indicate that a flood cannot occur in that location at present or in the future]	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=818f33c65799436b808652f9c735b1cc
Geohazards	Groundwater Flooding (Predictive)	Water	Regional	Provides information on the probability of future karst groundwater flooding (where available). [The maps do not, and are not intended to, constitute advice. Professional or specialist advice should be sought before taking, or refraining from, any action on the basis of the flood maps]	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=848f83c85799436b808652f9c735b1cc
Geohazards	Radon Map	Land & Soils/Air	National		https://gis.epa.ie/EPAMaps/Radon?&lid=EPA.RadonRiskMapofIreland
Geoheritage	County Geological Sites as adopted by National Heritage Plan and listed in County Development Plans	Land & Soils/Landscape	Regional	All geological heritage sites identified by Geological Survey Ireland are categorised as CGS pending any further NHA designation by NPWS.	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=b245c2bd11a64162a1632ad6bccf8e34
Geological Mapping	Bedrock geology:	Land & Soils	National	1:100,000 scale and associated memoirs.	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=de7012a99d2748ea9106e7ee1b6ab8d5
Geological Mapping	Bedrock geology:	Land & Soils	Regional	1:50,000 scale	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=de7012a99d2748ea9106e7ee1b6ab8d5
Geological Mapping	Quaternary geology: Sediments	Land & Soils	National	1:50,000 scale	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=de7012a99d2748ea9106e7ee1b6ab8d5
Geological Mapping	Quaternary geology: Geomorphology	Land & Soils	National	1:50,000 scale	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=de7012a99d2748ea9106e7ee1b6ab8d5
Geological Mapping	Physiographic units:	Land & Soils	National	Broad-scale physical landscape units mapped at 1:100,000 scale in order to be represented as a cartographic digital map at 1:250,000 scale	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=afa76a420fc54877843aca1bc075c62b
Geological Mapping	GeoUrban: Spatial geological data for the greater Dublin and Cork areas	Land & Soils	Regional	includes 3D models	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=9768f4818b79416093b6b2212a850ce6
Geological Mapping	Geotechnical database	Land & Soils	National	Digitised geotechnical and Site Investigation Reports and boreholes which can be accessed through online downloads	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=a2718be1873d47a585a3f0415b4a724c
Goldmine	Historical data sets including geological memoirs and 6" to 1 mile geological mapping	land & Soils/Water	National	available online	https://secure.decc.gov.ie/goldmine/index.html
Groundwater & Geothermal	Groundwater resources (aquifers)	Water	National	Data limited to 1:100,000 scale; sites should be investigated at local	https://gsi.geodata.gov.ie/portal/apps/webappviewer/index.html?id=d333a8a9b6ab44378411fc0d973db4ef
Groundwater & Geothermal	Groundwater recharge.	Water	National	Data limited to 1:40,000 scale; sites should be investigated at local scale; long term annual average recharge	https://gsi.geodata.gov.ie/portal/apps/webappviewer/index.html?id=d333a8a9b6ab44378411fc0d973db4ef
Groundwater & Geothermal	Groundwater vulnerability.	Water	National	Data limited to 1:40,000 scale; sites should be investigated at local scale	https://gsi.geodata.gov.ie/portal/apps/webappviewer/index.html?id=d333a8a9b6ab44378411fc0d973db4ef
Groundwater & Geothermal	Group scheme and public supply source protection areas.	Water	National	Not all PWS / GWS have SPZ / ZOC. Check with IW / coco / NFGWS for private supplies.	https://gsi.geodata.gov.ie/portal/apps/webappviewer/index.html?id=d333a8a9b6ab44378411fc0d973db4ef
Groundwater & Geothermal	Groundwater Protection Schemes	Water	National	Data is limited to scale of 1:40,000. Data does not include all of the source protections areas	https://gsi.geodata.gov.ie/portal/apps/webappviewer/index.html?id=d333a8a9b6ab44378411fc0d973db4ef
Groundwater & Geothermal	Catchment and WFD management units.	Water	National		https://gsi.geodata.gov.ie/portal/apps/webappviewer/index.html?id=d333a8a9b6ab44378411fc0d973db4ef
Groundwater & Geothermal	karst specific data layers	water	National	For areas underlain by limestone, includes karst features, tracer test database; turlough water levels (gwlevel.ie).	https://gsi.geodata.gov.ie/portal/apps/webappviewer/index.html?id=d333a8a9b6ab44378411fc0d973db4ef
Groundwater & Geothermal	Wells and Springs	Water	National	Not comprehensive, there may be unrecorded wells and springs	https://gsi.geodata.gov.ie/portal/apps/webappviewer/index.html?id=d333a8a9b6ab44378411fc0d973db4ef
Groundwater & Geothermal	Groundwater body Descriptions	Water	National	Not exhaustive; only those in designated SACs; could be other GWDTEs; for more information contact NPWS / EPA / site investigations	https://www.gsi.ie/en-ie/programmes-and-projects/groundwater/activities/understanding-ireland-groundwater/Pages/Groundwater-bodies.aspx
Groundwater & Geothermal	Geothermal Suitability maps	land & Soils/Water	National	Also, Roadmap for a Policy and Regulatory Framework for Geothermal Energy, November 2020	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=9ee46bee08de41278b90a991d60c0b9e
Marine & Coastal Unit	INFOMAR - Ireland's national marine mapping programme; providing key baseline data for Ireland's marine sector.	Water	National		https://gsi.geodata.gov.ie/portal/apps/webappviewer/index.html?id=85b8ecf8832e40cca6d923aa0688f08e
Marine & Coastal Unit	CHERISH - Coastal change project (Climate, Heritage and Environments of Reefs, Islands, and Headlands)	Water	Regional		http://www.cherishproject.eu/en/
Marine & Coastal Unit	Coastal Vulnerability Index (CVI).	water /Land & Soils	Regional	Currently the project is being carried out on the east coast and will be rolled out nationally	https://www.gsi.ie/en-ie/programmes-and-projects/marine-and-coastal-unit/projects/Pages/Coastal-Vulnerability-Index.aspx
Minerals	Aggregate potential	Land & Soils/Material Assets	National	Consideration of mineral resources and potential resources as a material asset which should be explicitly recognised within the environmental assessment process	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=ee8c4c285a49413aa6f1344416dc9956
Minerals	Active quarries	Land & Soils	National		https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=ee8c4c285a49413aa6f1344416dc9956
Minerals	Historic mines	Land & Soils/Cultural Heritage	National	Inventory and Risk Classification 2009. Environmental Protection Agency, Economic Minerals Division and Geological Survey Ireland (DECC).	https://gis.epa.ie/EPAMaps/default?easting=?&northing=?&lid=EPA:LEMA_Facilities_Extractive_Facilities https://www.epa.ie/enforcement/mines/
Tellus	Geochemical data: multi-element data for shallow soil, stream sediment and stream water	Land & Soils	Regional	A national mapping programme	https://dcenr.maps.arcgis.com/apps/MapSeries/index.html?appid=6304e122b733498b99642707ff72f754
Tellus	Airborne geophysical data including radiometrics, electromagnetics and magnetics	Land & Soils	Regional	A national mapping programme	https://dcenr.maps.arcgis.com/apps/MapSeries/index.html?appid=6304e122b733498b99642707ff72f754
Tellus	urban geochemistry mapping (Dublin SURGE project),	Land & Soils	Regional		https://dcenr.maps.arcgis.com/apps/MapSeries/index.html?appid=6304e122b733498b99642707ff72f754

- Notes:
- The maps and data listed above are available on the Geological Survey Ireland map viewer <https://www.gsi.ie/en-ie/data-and-maps/Pages/default.aspx>
 - Please read all disclaimers carefully when using Geological Survey Ireland data
 - Geological Survey Ireland and Irish Concrete Federation published guidelines for the treatment of geological heritage in the extractive industry in 2008.
 - Please read the GSI Data Licence Agreement and the Groundwater Flooding Data Licence Agreement (<https://www.gsi.ie/en-ie/data-and-maps/Pages/default.aspx>)

Sarah Gallagher

From: Gerry Leen <Gerry.Leen@hse.ie> on behalf of Gerry Leen
Sent: Monday 2 September 2024 11:49
To: smoore@jodireland.com; sgallagher@jodireland.com
Cc: Andrew Sulley; Rory O'Dea
Subject: EIA Scoping Application for Moanmore Lower Wind Farm, Moanmore Lower, Co. Clare
Attachments: HSE EIA Scoping report.pdf

Dear Sarah,
Please see attached report from HSE National Environmental Health Service.

Kind Regards,
Gerry

Gearóid Ó Léinn, Oifigeach Sláinte Comhshaoil, Príomhaí, FSS Seirbhís Náisiúnta Sláinte Comhshaoil, Ionad 6 Páirc Ghnó Bothar Chuinche, Inis, Co. An Chlár.

Gerard Leen, Principal Environmental Health Officer, HSE National Environmental Health Service, Unit 6, Quin Road Business Park, Ennis, Co. Clare.

Tel: 065 6706660 | gerry.leen@hse.ie



From: Sarah Gallagher <sgallagher@jodireland.com>
Sent: Tuesday 6 August 2024 12:38
To: Ehnational Office <ehnationaloffice@hse.ie>
Cc: Sarah Moore <smoore@jodireland.com>
Subject: Moanmore Wind Farm, Co. Clare

CAUTION: This email originated from outside of the organisation. Do not click links or open attachments unless you recognise the sender and know the content is safe.

Dear Sir/Madam,

Please find attached Scoping Letter with Report in relation to the above mentioned project for your consideration.

We would be grateful if you could revert with any comments you may have on the proposed development at your earliest convenience.

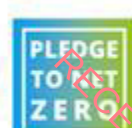
Thanks and Kind regards,

Sarah Gallagher

Administrator



Head Office
Finisklin Business Park, Sligo, Ireland, F91 RHH9. [MAP](#)



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Má fuair tú an ríomhphost seo trí dhearmad, bheadh muid buíoch dá gcuirfeá in iúil don Deasc Seirbhísí ECT ar an nguthán ag [+353 818 300300](tel:+353818300300) nó ar an ríomhphost chuig service.desk@hse.ie agus ansin glan an ríomhphost seo ded' chóras."

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FSS Seirbhís Náisiúnta Sláinte Comhshaoil,
Ionad 6, Páirc Ghnó Bothar Chuinche,
Inis, Co. An Chlár.

HSE National Environmental Health Service,
Unit 6, Quin Road Business Park,
Ennis, Co. Clare.

☎ (065) 6706660

FAO: Sarah Moore
Jennings O'Donovan & Partners Limited
E-mail: smoore@jodireland.com
Your ref: 6778/503/021/SM

HSE EIA Scoping
National Environmental Health Service Submission Report

Date: 30th August 2024
Our reference: EHIS ID4127
Report to: Sarah Moore
Type of Consultation: EIA Scoping 230843

Proposed development: The Developer intends to apply for planning permission to Clare County Council for this wind farm in the townland of Moanmore Lower, Co. Clare. The proposal is for three wind turbine generators on the site with a nominal output of up to 5 MW each. The proposed wind turbines will have hub heights of up to 80m, rotor diameters of up to 136m and overall tip heights of up to 150m.

The following HSE stakeholders were consulted on the scoping on 7th August 2024:

- Emergency Planning – Kay Kennington
- Estates – Helen Maher/Stephen Murphy
- Director of National Health Protection – Eamonn O'Moore / Ina Kelly
- CHO – Maria Bridgeman

Clarification on the content of this submission should be made, in the first instance, to Gerard Leen, Principal Environmental Health Officer, at Gerry.leen@hse.ie

Gerard Leen
Principal Environmental Health Officer

Visit by the National Environmental Health Service to the Proposed Development Area

A visit to the proposed development site was carried out by a SEHO on 18th August 2024. The zoning of the proposed site in Clare County Development Plan is 'open for consideration for wind energy'.

As a result of this visit, it is important that the following are specifically considered in the EIA:

- a) Any likely significant effect on Moyasta National School during the construction phase, any likely significant impacts from construction traffic during the day and particularly at the start and end of the school day.
- b) The impact on the local roads during the construction phase. The roads are narrow country roads and the EIA should include a detailed traffic impact assessment that includes impacts on local road usage at different times of the day and different days of the week.
- c) Any likely significant effect on the Moyasta River and any likely significant effect on drinking water supplies. This includes identification of private wells that might be impacted from the development.

General Introduction

The following documents should be taken into consideration when preparing the Environmental Impact Assessment Report:

- Guidelines for Planning Authorities and An Bord Pleanála on carrying out Environmental Impact Assessment

https://www.housing.gov.ie/sites/default/files/publications/files/guidelines_for_planning_authorities_and_an_bord_pleanála_on_carrying_out_eia_-_august_2018.pdf

EU publication: Environmental Impact Assessment of Projects Guidance on the preparation of the Environmental Impact Assessment Report, EU, 2017

http://ec.europa.eu/environment/eia/pdf/EIA_guidance_EIA_report_final.pdf

Adoption of the Directive (2014/52/EU) in April 2014 initiated a review of the National Guidance for EIA and the EIAR accompanying a planning application. New guidelines can be seen at:

<https://www.epa.ie/publications/monitoring--assessment/assessment/guidelines-on-the-information-to-be-contained-in-environmental-impact-assessment.php>

The introduction of the new Guidance is supported by a Webinar produced by the EPA and can be found at:

<https://www.youtube.com/embed/ejKVFUztBY>

The applicant should also consider the findings of the High Court judgement issued in the judicial review of the Derryadd Wind Farm. (2021 IEHC 390 [20202 No. 557 JR] P. Sweetman v An Bord Pleanála)

Generally, the Environmental Impact Assessment should examine all likely significant impacts and provide the following information for each:

- a) Description of the receiving environment;
- b) The nature and scale of the impact;
- c) An assessment of the significance of the impact;
- d) Proposed mitigation measures;
- e) Residual impacts.

Directive 2014/52/EU has an enhanced requirement to assess likely significant impacts on Population and Human Health. It is the experience of the National Environmental Health Service (NEHS) that impacts on human health are often inadequately assessed in EIAs in Ireland. It is recommended that the wider determinants of health and wellbeing are considered in a proportionate manner when considering the EIA. Guidance on wider determinants of health can be found at www.publichealth.ie

In addition to any likely significant negative impacts from the proposed development, any positive likely significant impacts should also be assessed.

The HSE will consider the final EIAR accompanying the Planning application and will make comments to the Local Planning Authority on the methodology used for assessing the likely significant impacts and the evaluation criteria used in assessing the significance of the impact.

The National Environmental Health Service (EHS) recommends that the following matters are included and assessed in the EIAR

- Public Consultation
- Decommissioning phase of the proposed wind farm
- Siting and location of turbines
- Noise & Vibration

- Shadow Flicker
- Air Quality
- Surface and Groundwater Quality
- Geological Impacts
- Ancillary facilities
- Cumulative impacts

Public Consultation

It is recommended that early and meaningful public consultation with the local community is undertaken to ensure all potentially significant impacts of the proposed windfarm development have been adequately addressed.

All parties affected by the proposed development, **including those who may benefit financially from the project**, must be fully informed of what the proposal entails especially with regard to potential impacts on surrounding areas.

Sensitive receptors and other stakeholders should be identified to ensure all necessary and appropriate mitigation measures are put in place to reduce the likelihood of any complaints about the proposed wind farm development in the future.

The National Environmental Health Service expects that meaningful public consultation, where the local community is fully informed of the proposed development, will be undertaken. Members of the public should be given sufficient opportunity to express their views on the proposed windfarm development.

The Environmental Impact Assessment Report (EIAR) should clearly demonstrate the link between public consultations and how those consultations have influenced the decision-making process in the EIA.

To assist with the consultation and planning process it is recommended that the applicant develops a dedicated website for the proposed windfarm development. All correspondence, maps, project updates and documentation including the EIAR should be uploaded to the website

The EIAR should state the period of planning permission sought, the length of time construction is estimated to take and if it is anticipated that the windfarm development will be decommissioned and removed or will continue to operate (following any further planning consent) at the end of this period of planning permission (should permission be granted)

Decommissioning

The EIAR should detail the eventual fate of the wind turbines and associated material i.e. will the material be recycled or how will it be disposed of.

Information should also be provided regarding the proposed methodology to be used for the disposal of the materials forming the foundations of the wind turbines.

The EIAR should indicate the proposed future use of the development site at the end of the planning permission period.

Siting, Location and details of Turbines

The EIAR should include a map and a description of the proposed location of each of the proposed wind turbines.

The National Environmental Health Service expects that details (height and model) of the turbines to be installed will be available at the time planning permission is sought and will be included in the EIAR.

Details of the foundations for the wind turbine including depth, quantity and material to be used should be included in the EIAR.

Assessment of Consideration of Alternatives

The EIAR should consider an assessment of alternatives. The NEHS recommends that alternative renewable energy options to on- shore wind farms should be assessed as part of the EIAR.

Noise & Vibration

The potential impacts for noise and vibration from the proposed development on all noise sensitive locations must be clearly identified in the EIAR. The EIAR must also consider the appropriateness and effectiveness of all proposed mitigation measures to mitigate noise and vibration.

A baseline noise monitoring survey should be undertaken to establish the existing background noise levels. Noise from any existing turbines in the area should not be included as part of the background levels.

In addition, an assessment of the predicted noise impacts during the construction phase and the operational phase of the proposed windfarm development must be undertaken which details the change in the noise environment resulting from the proposed development.

The Draft Revised Wind Energy Development Guidelines were published in December 2019. Whilst these have yet to be adopted, any proposed wind farm development should have consideration of the draft Guidelines.

https://www.housing.gov.ie/sites/default/files/public-consultation/files/draft_revised_wind_energy_development_guidelines_december_2019.pdf .

Shadow Flicker

It is recommended that a shadow flicker assessment is undertaken to identify any dwellings and sensitive receptors which may be impacted by shadow flicker. The assessment must include all proposed mitigation measures. Dwellings should include all occupied properties and any existing or proposed properties for which planning consent has been granted for construction or refurbishment.

It is recommended that turbine selection will be based on the most advanced available technology that permits shut down during times when residents are exposed to shadow flicker. As a result no dwelling should be exposed to shadow flicker.

Air Quality

Due to the nature of the proposed construction works generation of airborne dust has the potential to have significant impacts on sensitive receptors. A Construction Environmental Management Plan (CEMP) should be included in the EIAR which details dust control and mitigation measures. Measures should include:

- Sweeping of hard road surfaces
- Provision of a water bowser on site, regular spraying of haul roads
- Wheel washing facilities at site exit
- Restrict speed on site
- Provide covers to all delivery trucks to minimise dust generation
- Inspect and clean public roads in the vicinity if necessary
- Material stockpiling provided with adequate protection from the wind
- Dust monitoring at the site boundary
- Truck inspection and maintenance plan
- Details of a road maintenance agreement between the wind farm operator and the Local Roads Authority to clarify responsibility for the upkeep and repair of access roads during the construction phase of the project

Surface and Ground Water Quality

The proposed development has the potential to have a significant impact on the quality of both surface and ground water. All drinking water sources, both surface and ground water, must be identified. Public and Group Water Scheme sources and supplies should be identified in addition to any private wells supplying potable water to houses in the vicinity of the proposed development. Measures to ensure that all sources and supplies are protected should be described. The National Environmental Health Service recommends that a walk over survey of the site is undertaken in addition to a desktop analysis of Geological Survey of Ireland data in order to identify the location of private wells used for drinking water purposes.

Any potential significant impacts to drinking water sources should be assessed. Details of bedrock, overburden, vulnerability, groundwater flows, aquifers and catchment areas should be considered when assessing potential impacts and any proposed mitigation measures.

Any impacts on surface water as a result of the construction of the underground cables should be identified and addressed in the EIAR.

Geotechnical and Peat Stability Assessment

A detailed assessment of the current ground stability of the site for the proposed windfarm development and all proposed mitigation measures should be detailed in the EIAR. The assessment should include the impact construction work may have on the future stability of ground conditions, taking into consideration extreme weather events, site drainage and the potential for soil erosion.

Information should be provided on the make and model of the turbines and on construction details for the turbine foundations, including the depth and volume of concrete required. An accurate assessment of the

potential impacts of the foundations on water quality and peat stability cannot be undertaken without this information.

Reference is made to a peat slide which occurred near Ballybofey in Co. Donegal on 13th November 2020 which may have been linked to construction activity at Meenbog Wind Farm. Potential impacts on water supply associated with contamination following a peat slide include sedimentation and alteration of pH levels.

The National Environmental Health Service recommends that a detailed Peat Stability/Geotechnical Assessment should be undertaken to assess the suitability of the soil for the proposed development. The EIAR should include provision for a peat stability monitoring programme to identify early signs of potential bog slides ('pre-failure indicators' see the Scottish Government's 'Peat Landslide Hazard and Risk Assessments: Best Practice Guide for Proposed Electricity Developments 2017)

<https://www.gov.scot/binaries/content/documents/govscot/publications/advice-and-guidance/2017/04/peat-landslide-hazard-risk-assessments-best-practice-guide-proposed-electricity/documents/00517176-pdf/00517176-pdf/govscot%3Adocument/00517176.pdf>

Ancillary Facilities

The EIAR should include details of the location of all site office, construction compound, fuel storage depot, sanitary accommodation and canteen, First Aid facilities, disposal of wastewater and the provision of a potable water supply to the site canteen.

Cumulative Impacts

All existing or proposed wind farm developments in the vicinity should be clearly identified in the EIAR. The impact on sensitive receptors of the proposed development combined with any other wind farm/renewable energy developments in the vicinity should be considered. The EIAR should include a detailed assessment of any likely significant cumulative impacts of the proposed windfarm development.



Andrew Sulley
Senior Environmental Health Officer



Rory O'Dea
Senior Environmental Health Officer

Sarah Gallagher

From: Christophe O'BRIEN <Christophe.OBRIEN@IAA.ie> on behalf of Christophe O'BRIEN
Sent: Wednesday 7 August 2024 12:15
To: Sarah Gallagher
Cc: Sarah Moore; Planning
Subject: RE: Moanmore Wind Farm, Co. Clare

Good afternoon Sarah,

Thank you for your email and the provision of the scoping report for the proposed Moanmore Lower Wind Farm in Co. Clare.

I note this proposal consists of 3 x turbines with a blade tip height of 150m above ground level.

Given the proposed position of T3 is within 39kms of Shannon Airport, it is imperative that this scoping report and details of the proposal be shared with Shannon Airport Authority and Air Nav Ireland as soon as practicable. Given the nature of the proposal and its relative position to Shannon Airport, it is likely that significant technical assessments will be required to determine whether there is any potential adverse impact on the safety of aircraft operations at Shannon Airport and also with regard to the en route communication, navigation and surveillance equipment that is positioned in the region and operated by Air Nav Ireland. The technical assessments will have to be prepared in coordination with both Shannon Airport Authority and Air Nav Ireland and where necessary, by approved technical experts for either Flight Procedure Design review or Communications, Navigation and Surveillance / Navigational Aids impact. The technical assessments will need to review not only the proposed wind farm turbine positions but any cranes necessitated during the construction, if planning consent were to be granted.

As such, and given that Shannon Airport Authority and Air Nav Ireland have the primary responsibility for safeguarding Shannon Airport and terminal / en-route navigational aids respectively, please forward the scoping report to the following contacts:

Aerodrome Operator – Shannon Airport:	Air Nav Ireland	Shannon Tower Business Unit	Air Nav Ireland Engineering
Mr. Paul Hennessy Safety Compliance and Environment Manager Shannon Airport Authority DAC t: +353-61-712471 m: +87-2382453 e: paul.hennessy@shannonairport.ie	Mr. Cathal Mac Criostail Airspace & Navigation Manager Air Nav Ireland The Times Building, 11-12 D'Olier Street, Dublin 2, D02 T449, Ireland cathal.maccristail@airnav.ie & planning@airnav.ie +353 (0)1 6031173 +353 (0)86 0527130	Mr. Jonathan Byrne Operations Manager STBU/CTBU Air Traffic Control Air Nav Ireland jonathan.byrne@airnav.ie +353 61 703704 +353 87 9375486	Mr. Charlie O'Loughlin Manager Surveillance M&E Systems AirNav Ireland P: +353 61 366161 M: +353 877995218 E: charlie.oloughlin@airnav.ie A: Shannon ATCC, Ballycasey Cross, Shannon. Co. Clare, Ireland.

At this time, the Irish Aviation Authority has no particular requirements for incorporation into the scoping report beyond the essential consultation and coordination to be undertaken with Shannon Airport Authority and Air Nav Ireland by the consultants and the developer in relation to this proposal in advance of any planning application.

If a planning application were to be lodged and subject to no negative impacts being shown to either the aircraft operations at Shannon Airport or en route navigational aids, then at that time, the Authority would offer the usual

general observations concerning the marking and lighting of wind turbines, the requirement for the notification of any crane operations with at least 30 days notice to Shannon Airport Authority and Air Nav Ireland and the requirement for surveying of as constructed coordinates and elevations and the promulgation of aeronautical data.

Regards,

Christophe

Christophe O'Brien

Aerodromes Inspector

M: +353 (0) 86 33 22022 |

E: obrienc@iaa.ie | www.iaa.ie

The Times Building, 11-12 D'Olier Street, Dublin 2, D02 T449



ÚDARÁS EITLIÓCHTA NA hÉIREANN
IRISH AVIATION AUTHORITY

From: Sarah Gallagher <sgallagher@jodireland.com>
Sent: Tuesday, August 6, 2024 12:42 PM
To: Christophe O'BRIEN <Christophe.OBRIEN@IAA.ie>; Planning <planning@iaa.ie>
Cc: Sarah Moore <smoore@jodireland.com>
Subject: Moanmore Wind Farm, Co. Clare

*** This message originated from outside the Irish Aviation Authority. Please treat hyperlinks, attachments and instructions in this email with caution. ***

Dear Sir/Madam,

Please find attached Scoping Letter with Report in relation to the above mentioned project for your consideration.

We would be grateful if you could revert with any comments you may have on the proposed development at your earliest convenience.

Thanks and Kind regards,

Sarah Gallagher

Administrator



Head Office

Finisklin Business Park, Sligo, Ireland, F91 RHH9. [MAP](#)

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Place of Registration: Ireland A limited liability company

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Sarah Gallagher

From: Irish Peatland Conservation Council <bogs@ipcc.ie> on behalf of Irish Peatland Conservation Council
Sent: Thursday 22 August 2024 14:39
To: Sarah Gallagher
Subject: Re: Moanmore Wind Farm, Co. Clare
Attachments: IPCC_Moanmore WF_Co_Clare_22_8_24.pdf; Untitled attachment 00040.htm

Dear Sarah,

Please see attached IPCC comments on the scoping for the proposed Moanmore Lower Wind Farm.

Please acknowledge receipt for our records.

Kindest Regards

Tristram Whyte BSc (Hons) Applied Freshwater & Marine Biology
Conservation, Policy & Fundraising Officer
Irish Peatland Conservation Council
Lullymore
Rathangan
Co. Kildare
R51 V293

045 860133

bogs@ipcc.ie

CHY6829

Registered Charity Number 20013547

Visit <http://www.ipcc.ie> to learn all about the Save the Bogs Campaign or to arrange your visit to the Bog of Allen Nature Centre

On 6 Aug 2024, at 12:43, Sarah Gallagher <sgallagher@jodireland.com> wrote:

Dear Sir/Madam,

Please find attached Scoping Letter with Report in relation to the above mentioned project for your consideration.

We would be grateful if you could revert with any comments you may have on the proposed development at your earliest convenience.

Thanks and Kind regards,

Sarah Gallagher

Administrator

<image001.png>

Head Office

Finisklin Business Park, Sligo, Ireland, F91 RHH9. [MAP](#)

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<image002.png>

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<6778_503_024 - Scoping Ltr Irish Peatland.pdf><6778 MSWF - General Scoping Document July 2024 Clean Final.pdf>

Clare Planning Authority - Inspection Purposes Only!
RECEIVED: 09/05/2025



IRISH PEATLAND CONSERVATION COUNCIL

COMHAIRLE CHAOMHNATHE PHORTAIGH NA HÉIREANN

Lullymore, Rathangan, Co. Kildare, Ireland R51 V293
Liolach Mór, Rath Iomgáin, Co. Chill Dara, Éire, R51 V293

Tel/Teil: +353-(0)45-860133
e-mail/riomhphost: bogs@ipcc.ie web/idirlíon: www.ipcc.ie

22/8/2024

Sarah Gallagher
Jennings O'Donovan & Partner Ltd.
Finisklin Business Park
Sligo
Ireland
F91 RHH9
sgallagher@jodireland.com

Proposed Moanmore Lower Wind Farm Scoping Document

Dear Ms Gallagher,

Thank you for consulting with the Irish Peatland Conservation Council regarding the proposed development. The Irish Peatland Conservation Council (IPCC) was established in 1982 and has 40 years of experience in peatland conservation. Our aim is to conserve a representative sample of intact peatlands for present and future generations to enjoy and benefit from the ecosystem services they provide. Only 25% of Ireland's original range of peatland is deemed worthy of conservation^[1], 75% have become degraded from multiple pressures such as peat extraction, agriculture, forestry, habitat fragmentation and developments^[1]. Specifically, County Clare has lost 89% of its original peatland habitat^[1] and this has had a major effect on biodiversity, climate regulation and the ecological functioning of the County's indigenous habitats and species. This makes it imperative that all must be done to reverse the climate and biodiversity crisis which was declared by Government in 2019.

Our work is guided by our 6th Action Plan "Ireland's Peatland Conservation Action Plan 2020" and a recent amendment "Peatlands & Climate Change Action Plan 2030", which focuses on the role of peatlands in tackling predicted climate change. These documents are available for download on our website at www.ipcc.ie. Many of the actions in our plan have been included within the National Peatlands Strategy which has been adopted by every Government Department and Local Authority. The "National Peatlands Strategy" can be downloaded from www.npws.ie.

IPCC is not inherently opposed to the construction of wind farms as we understand that Ireland has legal obligations to reach net-zero emissions by 2050 and a 51% reduction by the end of this decade in line with the Climate Action and Low Carbon Development (amendment) Act 2021, but, there is a responsibility on wind farm developers to ensure that there is no loss of important peatland habitat and the species that utilise it. Also, bad construction practices can result in an active carbon sink being converted to a carbon source which is detrimental to any effort in combating anthropogenically caused global climate change and biodiversity loss.

Legal Obligations to Protect Peatlands

We are legally bound by National and European legislation (The Irish Wildlife Acts, Habitats and Bird's Directives) and international conventions (Ramsar, Bern Convention, Convention on Biological Diversity) to do our utmost to protect peatlands now and for future generations. Peatland habitats have been severely diminished in the country and this destruction is an issue in other legislation and conventions such as the UN Convention on Climate Change, Bonn Convention, World Heritage Convention, Water Framework Directive, Environment Liability Directive, Planning and Development Acts, National Monuments Acts, Environmental Directive, EIA and SEA. All of these legislative instruments have been adopted by Ireland and the IPCC ask that you assess your development with regard to these legal obligations.

Bogland

The IPCC would advise any developer planning construction in, or within close proximity to peatland habitat to be familiar with the Environmental Protection Agency funded project BOGLAND (www.ucd.ie/bogland). This project recommends the best practice guidelines to ensure no damaging development occurs on, or affects peat

40 YEARS TAKING ACTION FOR BOGS AND WILDLIFE

soils and peatlands of conservation value.

Nitrogen

It has been highlighted to the Irish Peatland Conservation Council that nitrogen is becoming an issue for designated sites, halting many construction projects in the Netherlands and in 2018 in the UK 39 of 57 Special Areas of Conservation listed on the APIS website (<http://www.apis.ac.uk>) exceeded the Critical Load Threshold for nitrogen (some by over 300%). This is having negative impacts on the vegetation of the designated habitats and is working against the conservation objectives of the sites. There are various sources of excess nitrogen such as construction (e.g. roads, traffic, developments), urban waste water (pollution) and agriculture (e.g. fertilizer/piggerys) and can enter a habitat via wet or dry deposition. The Irish Peatland Conservation Council ask that you assess the development in terms of its impact in regards to nitrogen and its affects on designated sites. We also ask that there is a long term monitoring agenda implemented to ascertain the long term emission rates/vectors which can be used to inform future projects. The impacts also need to be taken into account cumulatively along with other developments and projects as they may interact synergistically.

Tullagher Lough and Bog SAC (Sitecode=2343):-

The IPCC have recently purchased 63.12ha of Kett's Lough located within the Tullagher Lough and Bog SAC for nature conservation and are working with the NPWS in regards to its management.

This site is an important overwintering ground for Greenland White-Fronted Geese and also known to be utilised by Whooper Swans. Quoting the NPWS Site Synopsis "The site is important for over-wintering Greenland White-fronted Goose, a species listed on Annex I of the E.U. Birds Directive, which regularly use the grasslands to the west of Tullagher Lough – average of 47 birds over the four winters 1994/95 to 1998/99". Whooper Swan, Kestrel and Hare have also been recorded utilising the SAC.

The site is also important for Marsh Fritillary, Ireland's only protected butterfly, ANNEXED under the EU Habitats and Species Directive. Marsh Fritillary are known to inhabit the drier grassy areas surrounding Kett's Lough.

Please also use historical and recent data from the National Biodiversity Data Centre when assessing the current species utilising the areas potentially impacted by the proposed development as the NBDC manage and provide citizen science data on the biodiversity that has been recorded by members of the public and national species monitoring data sets.

The impacts on these species and habitats they utilise from the proposed development needs to be ascertained. The impacts also need to be quantified cumulatively with other developments in the area, including operational and proposed wind farms. Designated sites are being surrounded by developments and this is affecting their efficacy to provide meaningful conservation. The IPCC Peatland Sites Database list Agricultural reclamation, burning, drainage, mechanical cutting, overgrazing and dumping/infilling as threats to Tullagher Lough and Bog SAC, and also lists the same as causing actual damage.

While the ombrotrophic portions of peatland are fed by rainwater exclusively, transition mire, soak systems and lagg zones can be influenced by other external water influences where they meet other substrates at the margins. Fen has also been identified and please ensure that the water quality entering the SAC (and all other sensitive sites respectively) will not be reduced and impact on the sensitive habitats contained within the designated sites.

The Conservation Objectives for this site, published on www.npws.ie, describe nitrogen levels for Tullagher Lough & Bog SAC as exceeding its critical load of 5kg/ha/year and is near double this at 9.5kg/ha/year. This is affecting the species composition over time and needs to be reversed. Please assess the nitrogen impacts from the proposed development including the construction phase, operational phase and the decommissioning on all designated sites accumulatively with all other developments and practices in the area (such as agriculture which is the main source of nitrogen, road construction and traffic also need to be included).

Bird Nesting

Please ensure that all precautions are taken in regards to protecting ground nesting birds during the breeding season. It is also illegal to remove vegetation during the period from 1st March to 31st August in order to maintain biodiversity (Section 40 of the Wildlife Act 1976). Training should be given to construction workers to ensure that the laws regarding the cutting, grubbing, burning or destruction by other means to hedgerows/vegetation are adhered to.

Carbon Accounting

The carbon inputs and outputs need to be investigated for the proposed development. As it is predominantly on peat soils which is visibly (from aerial imagery) degraded, this site is most certainly currently a carbon source - impacting on the aquatic habitats surrounding the site through peat sedimentation, eutrophication and ammonia emissions and is also releasing carbon to the atmosphere. How does this project propose to remedy this? What impact from drainage will occur due to the hydrological management of the wind farm infrastructure? How much peat will be removed for the development and will there be any restoration of the habitats contained within the development area? As turbary is also an issue and is visible on mapping resources, how does the project aim to manage this? Has turbary finished on the site and is there an opportunity for rehabilitation/restoration?

BOCCI

Bird surveys for species listed within the Birds of Conservation Concern in Ireland (Bird Red List) need to be conducted at the appropriate time of the year to ascertain possible disruption to behaviour or damage to breeding sites from construction works and

operation of the proposed development. The IPCC ask that all species Red Listed within the National Parks & Wildlife Service Irish Wildlife Manual Series (<https://www.npws.ie/publications/red-lists>) be investigated within the National Biodiversity Data Centre species records to find out if they have been recorded within an appropriate distance of any proposed construction or restoration works. If a susceptible species is identified please ensure that works are planned so that they will not detrimentally impact on them and if possible responsible developers would improve habitat quality through restoration and rehabilitation. The Government of Ireland officially announced a Climate and Biodiversity Emergency in 2019 and this can not be reversed if we do not return peatland habitats to functioning ecosystems.

Water Framework Directive

The rivers and streams around the vicinity of the proposed project have been assessed under the Water Framework Directive and range from poor, moderate and good ecological status. The proposed project needs to address how it will manage its impacts to these aquatic habitats, i.e. where works may improve conditions or degrade them. The construction works may increase sediment load into the receiving waters and ongoing hydrological management of the development during operation may also increase emissions. The hydrological plans for the proposed development need to be made available. Will the site be fully re-wet after construction or will there be ongoing drainage for management of the hardstands, cabling, roads and other infrastructure? How will this affect the carbon accounting, biodiversity potential and the Water Framework Directive? Additionally, there are rivers and stream that would be unassigned monitoring by the EPA and these should be taken into account also.

Wetland Surveys Ireland (www.wetlandsurveys.ie)

Wetland Surveys Ireland have identified a number of wetlands which need to have an ecological survey to ascertain the biodiversity and ecological value within them. Please liaise with WSI to gather as much information about these sites as possible and ensure that the proposed development will not have an adverse effect on the habitats or species that are utilising them or moving/migrating between them and other significant sites. North-Western Europe has lost ~90% of its wetlands and it is imperative that all is done to halt the loss of this important climate regulating, carbon sequestering and biodiverse landscape. Please assess your projects impacts on the sites within a reasonable distance from the proposed development and ensure that no detrimental pressures are imposed upon them including diffuse and point sources of potential water pollution and that possible accidents during construction are pre-empted and have mitigation plans to deal with chemical spills. Many of the wetlands contain fen/marsh or transition mire habitats which may be susceptible to ground water emissions resulting from construction or operation of the proposed development. Please include :- WMI_CL475, WMI_CL443, WMI_CL516, WMI_CL471, WMI_CL474, WMI_CL476, WMI_CL473, WMI_CL515.

Fen Habitat

Wetland Surveys Ireland have identified that there is fen present at a number of sites, but many have yet to have a full ecological and hydrological survey to ascertain what species and natural features are present. These sites which contain fen could be geographically important as they may be unique in the location and at the extreme of this habitat type's range. The National Parks and Wildlife Service have yet to publish the results of a National Fen Survey and as such Ireland is not aware of the full diversity and variation in fen habitats or the species that utilise them. This is important as it means that we can not effectively conserve a representative sample of fen peatland and we also do not know what ecological parameters are important in regards to biodiversity protection and climate change reversal. We must ensure that fen habitats maintain their wetland integrity before they are lost to drainage, reclamation, eutrophication and development. There has been a preliminary study in regards to starting the National Fen Survey which is available here >> Scoping Study and Pilot Survey of Fens Irish Wildlife Manual 143, NPWS, 2023. Please ensure that there is no loss of fen habitat due to the proposed development. IPCC assesses that there is only 21%^[1] of the original extent of fen left in a conservation worthy condition so it is of upmost importance that it is protected from developments.

Curlew (*Numenius aquata*)

The Curlew is one of the most endangered species in Ireland and the resident breeding population has declined by 98% since the 1980s (NPWS, 2022). The IPCC would like to remind you that this bird is listed as an ANNEX II section II bird species within the E.U Birds Directive [Council Directive 79/409/EEC] and also has a national status of Red on the Birds of Conservation Concern in Ireland list. The Curlew Conservation Programme (NPWS) is working to bring this species back from near extinction in Ireland and we would urge developers to liaise with them and BirdWatch Ireland in relation to any development. Breeding Curlew are site specific and will not possibly return if there are construction and operational disturbances from the proposed development. This needs to be scrutinized with ornithological surveys within the recommended survey times for breeding Curlew to ascertain as to whether they are present and if they utilise the site for any purposes such as foraging. The operational turbines may also affect the Curlew's local migration routes. It would be disastrous if this project was to contribute to the further decline of this nearly extinct species.

Invasive Species

Peatlands, in their natural state, are not generally susceptible to invasive species as the high acidity, low nutrient and extremely wet conditions are not suitable for many species, but as most peatland in Ireland has not been responsibly utilised and is degraded the chance for invasives to take hold is increased. The movement of people and vehicles across the proposed development (and access routes) increases the risk of invasive species being introduced. Please use best practice bio-security procedures and measures to minimise the risk of spreading invasives and also ensure that there are contingency plans in place if they are identified during works. The sites need to be investigated before any works to fully understand the assemblage of invasives if any and to fully explore the implications on the proposed development. Engaging locals in this regard may help to garner local knowledge in the location of invasives which would highlight possible transmission vectors. The Irish Peatland Conservation Council appreciate that stringent measures are needed for a strong defence against the impacts of invasive species and implore developers to work with and prioritise

an invasive species management plan which identifies established detrimental species within the project area, describes actions to eradicate them and also plugs the gaps where the vectors for introduction may be identified. Please refer to www.NPWS.ie, National Biodiversity Action Plan 2017-2021 and the Irish Peatland Conservation Action Plan 2020 (www.ipcc.ie) for information regarding the need to control invasives.

National Monuments

Peatlands in Ireland hold a great deal of cultural and ancestral history, preserved in the anaerobic conditions. Ireland has international obligations under the European Convention on the Protection of the Archaeological Heritage, ratified by Ireland in 1997. Article 1 of this convention states that Ireland must “protect the archaeological heritage as a source of the European collective memory and as an instrument for historical and scientific study”. There needs to be scientific supervision from an independent body that will evaluate the proposed wind farm area for its archaeological importance. The IPCC could not support the development before a full archaeological survey is undertaken and the necessary precautions and mitigations are in place to ensure that no loss of cultural archaeological information occurs as course of the proposed development if permitted.

Conclusion

We are now realising that the methods we have used to fuel our economy and provide materials has been far from sustainable. The biodiversity of Ireland, which evolved specialised because of the unique natural history and biogeography which presented rare habitats has been forced into a spiralling decline. Without a real investigation and reversal of our impacts on the environment these native specialised peatland species will be lost. Unfortunately, the path to maximising renewable energy production is resulting in direct loss of biodiversity through habitat fragmentation, drainage and disturbance, with many designated sites suffering from development encirculation. It is in this regard that IPCC have made comments on the proposed project and we appreciate you taking the time to read through our concerns.

Please notify the IPCC if this project goes to planning.

Yours Faithfully,



Tristram Whyte Applied Freshwater & Marine Biology BSc(hons), Irish Peatland Conservation Council

References:

- [1] Peatlands and Climate Change Action Plan 2030, O’Connell, C.A., Madigan, N., Whyte, T. & Farrell, P., 2021, Irish Peatland Conservation Council.
- [2] Ireland’s Peatland Conservation Action Plan 2020, Sarah Malone B.A. Heritage Studies, Dr Catherine O’Connell, The Irish Peatland Conservation Council, 2009.
- [3] Status and Distribution of Breeding Curlew in Ireland 2021, Irish Wildlife Manuals 138, National Parks and Wildlife Service, 2022

Sarah Gallagher

From: Irene Cunningham <irene@lawaters.ie> on behalf of Irene Cunningham
Sent: Wednesday 7 August 2024 13:10
To: Sarah Gallagher
Subject: RE: Moanmore Wind Farm, Co. Clare

Hi Sarah,

I acknowledge receipt of your email. I shall forward it to our Communications Team who shall be in touch with you in due course.

Kind Regards,
Irene

Irene Cunningham - Acting A/ Staff Officer
085 8569374

From: Sarah Gallagher <sgallagher@jodireland.com>
Sent: Tuesday, August 6, 2024 2:06 PM
To: Info <info@lawaters.ie>
Cc: Sarah Moore <smoore@jodireland.com>
Subject: Moanmore Wind Farm, Co. Clare

Dear Sir/Madam,

Please find attached Scoping Letter with Report in relation to the above mentioned project for your consideration.

We would be grateful if you could revert with any comments you may have on the proposed development at your earliest convenience.

Thanks and Kind regards,

Sarah Gallagher

Administrator



Head Office

Finisklin Business Park, Sligo, Ireland, F91 RHH9. [MAP](#)

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Sarah Gallagher

From: Drainage Admin <drainage.admin@opw.ie> on behalf of Drainage Admin
Sent: Wednesday 7 August 2024 17:30
To: sgallagher@jodireland.com
Subject: FW: Moanmore Wind Farm, Co. Clare (Casetracker 318-2024)
Attachments: 20240807 Moanmore Lower Wind Farm - Moanmore Lower - Co-Clare rev 1.0.pdf

Hi Sarah,

I hope this email finds you well.

Please see response attached from OPW West Regional Engineer.

Kind regards,
Sarah

From: Sarah Gallagher <sgallagher@jodireland.com>
Sent: Tuesday 6 August 2024 12:51
To: Info Opw <info@opw.ie>
Cc: Sarah Moore <smoore@jodireland.com>
Subject: Moanmore Wind Farm, Co. Clare

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Dear Sir/Madam,

Please find attached Scoping Letter with Report in relation to the above mentioned project for your consideration.

We would be grateful if you could revert with any comments you may have on the proposed development at your earliest convenience.

Thanks and Kind regards,

Sarah Gallagher

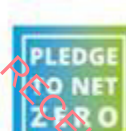
Administrator



Head Office

Finisklin Business Park, Sligo, Ireland, F91 RHH9. [MAP](#)

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OPW Ref: 318-2024  
You're Ref: 6778/503/029/SM

**The Proposed Windfarm**

Dear Sir/Madam,

I refer to your email dated 6th Aug 2024 in relation to the above project seeking comments or observations from this office.

We would make the following comments.

If any new culverts or bridges (or modifications to any existing culverts or bridges) are required to cross watercourses as part of the development or on proposed or existing access roads to serve or access the development, you should be aware that these require consent from the Commissioners of Public Works. This is a requirement of Section 50 of the Arterial Drainage Act of 1945 as amended.

I attach a copy of our brochure on obtaining Section 50 consent for your information. Further information on the process including copies of the appropriate application form and brochure are available on our website at

<https://www.gov.ie/en/publication/957aa7-consent-requirements-constructionalteration-of-watercourse-infrastru/>

Please note that, in the context of seeking consent under Section 50, the current required design standard for bridges or culverts is based on the flood with an annual exceedance probability of 1% (often referred to as the 100 year flood), increased by 20% to cater for the effects of Climate Change. Bridges or culverts are required to be able to convey this design flood without significantly altering the hydraulic characteristics of the watercourse – further details on this issue are available in the brochure and can be clarified depending on the circumstances of any particular proposed bridge or culvert.

You should be aware that a grant of Planning Permission by a planning authority for a development which contains bridges or culverts does not confer section 50 consent on the applicant, nor does it absolve the applicant from the requirement to obtain such consent from the Commissioners.

With regard to the proposed Grid Connection Route which is not indicated in your documentation, it is possible that this route may cross several watercourses. If the cable and ducting are to be buried in the road, as they cross bridges over the water courses, and there is no interference with the opening in the bridge spanning the watercourse, then there is no issue. On the other hand, if it is proposed to pass the cable in its ducting through the opening of any bridge or culvert, this would be considered to be a modification of a bridge and it would require the consent of the Commissioners under Section 50 as mentioned above. Similarly, if it is



proposed to carry the cable in its ducting across watercourses on new support structures spanning the watercourses, these should be treated as if they are bridges, and the consent of the commissioners under Section 50 should be obtained. If the cable and ducting is to be buried under the natural bed of the watercourses being crossed, Section 50 would not apply, and we would recommend that the duct be buried a sufficient distance below the natural bed to allow for erosion and mobility of the stream bed.

We would recommend that a flood risk assessment be carried out with regard to the proposed development and its construction. This should consider all sources, pathways and receptors of flood risk. This should be carried out in accordance with the principles set out in the guideline document "The Planning System and Flood Risk Management" as published by the Minister for the Environment, Heritage and Local Government and the Office of Public Works. Please be aware that this is a separate issue from the requirement to obtain Section 50 consent as mentioned above.

*In terms of the preparation of an EIA, the matters referred to above principally relate to the Hydrology Section, and the Risk of Flooding on a development such as this can impact on Landscape (e.g. landslides that have been reported in recent years), Infrastructure (roads and bridges) and people and their homes, among other things. The aim of the Section 50 process, and the Flood Risk Assessment which is recommended would be to mitigate any increased risk of flooding and the consequences of same, as arising from the proposed development.*

Please use the reference number indicated above in any further correspondence with the office on this matter.

Yours sincerely,

\_\_\_\_\_  
**David Cleary**

*Flood Risk Management - South-West Drainage Maintenance*

\_\_\_\_\_  
**Oifig na nOibreacha Poiblí**

Office of Public Works

**Teach Theampall Mungairit, Mungairit, Co Luimnigh, V94 EK07**

Templemungret House, Mungret, Co Limerick, V94 EK07

**Ionad Cothabhála Siltin Reigiún Thiar Theas, Teach Teampall Mungairit, Mungairit, Co. na Luimneach, V94 EK07**

South West Region Drainage Maintenance, Templemungret House, Mungret, Co. Limerick, V94 EK07

T +353 61 227139 | info@opw.ie

www.opw.ie

## Sarah Gallagher

**From:** Sarah Moore <[smoore@jodireland.com](mailto:smoore@jodireland.com)> on behalf of Sarah Moore  
**Sent:** Monday 30 September 2024 13:00  
**To:** Padraig O'Dowd; Kathlyn Feeney  
**Subject:** FW: [External] RE: Proposed wind development at Moanmore, Kilrush, Co. Clare  
**Attachments:** Shannon Airport Authority Moanmore Wind farm letter Aug'24 .pdf

---

**From:** Paul Hennessy <[paul.hennessy@snnairportgroup.ie](mailto:paul.hennessy@snnairportgroup.ie)>  
**Sent:** Sunday 15 September 2024 00:27  
**To:** Sarah Moore <[smoore@jodireland.com](mailto:smoore@jodireland.com)>  
**Subject:** RE: [External] RE: Proposed wind development at Moanmore, Kilrush, Co. Clare

Hi Sarah,

Please see attached for your information.

Brgds,

Paul

THE  
**Shannon**  
AIRPORT GROUP



### Paul Hennessy

*Safety Compliance & Environment Manager*

061 712471 / 087 2382453

[www.SNNAirportGroup.ie](http://www.SNNAirportGroup.ie)

Shannon Airport, Co. Clare, Ireland, V14 EEC 6

---

**From:** Sarah Moore <[smoore@jodireland.com](mailto:smoore@jodireland.com)>  
**Sent:** 04 September 2024 11:43  
**To:** Paul Hennessy <[paul.hennessy@snnairportgroup.ie](mailto:paul.hennessy@snnairportgroup.ie)>  
**Cc:** Padraig O'Dowd <[podowd@jodireland.com](mailto:podowd@jodireland.com)>  
**Subject:** RE: [External] RE: Moanmore data

Hi Paul,

Apologies for the delay. Here are the WSG84 coordinates:

| FID | WSG84        | WSG84       | ITM    | ITM    |
|-----|--------------|-------------|--------|--------|
| T1  | -1058844.235 | 6921242.526 | 497742 | 658147 |
| T2  | -1059487.222 | 6920903.95  | 497347 | 657950 |
| T3  | -1058744.074 | 6920624.293 | 497795 | 657771 |

Thanks

Sarah

---

**From:** Paul Hennessy <[paul.hennessy@snnairportgroup.ie](mailto:paul.hennessy@snnairportgroup.ie)>  
**Sent:** Monday 26 August 2024 17:54  
**To:** Sarah Moore <[smoore@jodireland.com](mailto:smoore@jodireland.com)>  
**Subject:** RE: [External] RE: Moanmore data

Thanks Sarah

---

**From:** Sarah Moore <[smoore@jodireland.com](mailto:smoore@jodireland.com)>  
**Sent:** 26 August 2024 16:54  
**To:** Paul Hennessy <[paul.hennessy@snnairportgroup.ie](mailto:paul.hennessy@snnairportgroup.ie)>  
**Subject:** [External] RE: Moanmore data

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Hi Paul,

I will look at this first thing in the morning. I might be able to export from ArcGIS.

Kind Regards

Sarah

---

**From:** Paul Hennessy <[paul.hennessy@snnairportgroup.ie](mailto:paul.hennessy@snnairportgroup.ie)>  
**Sent:** Monday, August 26, 2024 4:41 PM  
**To:** Sarah Moore <[smoore@jodireland.com](mailto:smoore@jodireland.com)>  
**Subject:** Moanmore data  
**Importance:** High

Hi Sarah,

Data for another project was provided in the attached format. Perhaps that could be done for Moanmore, Co. Clare?

Thanks,

Paul

THE  
**Shannon**  
AIRPORT GROUP



**Paul Hennessy**

*Safety Compliance & Environment Manager*

061 712471 / 087 2382453

[www.SNNAirportGroup.ie](http://www.SNNAirportGroup.ie)

Shannon Airport, Co. Clare, Ireland, V14 EEC6



Sarah Moore  
Project Manager,  
Jennings O'Donovan & Partners Limited,  
Finisklin Business Park,  
Sligo, F91 RHH9

13th Sept 2024

**Re: – Moanmore Lower wind energy development, Kilrush, Co. Clare**

Dear Sarah,

Shannon Airport Authority DAC would make the following comments as a prescribed body in respect of this type of proposed development.

In general terms, the siting of wind turbines at this location may have implications for the operations of the communication, navigation and surveillance systems used by Air Nav Ireland for the separation and safety of aircraft. The geographical siting of these turbines may also have implications for the flight paths of aircraft.

Shannon Airport Authority DAC has specific responsibility to define the airspace around its aerodrome which must be maintained free from obstacles to permit the intended aircraft operations at the aerodrome to be conducted safely and to prevent the aerodrome from becoming unusable by the growth of obstacles around it. This is achieved by establishing a series of obstacle limitation surfaces (OLS) that define the limits to which objects (temporary or permanent) may project into the airspace. These surfaces may extend many kilometres outwards from the active runway strip at the aerodrome.

With specific reference to the Moanmore geographical location, and arising from our own internal assessment, this development of three turbines will have no impact on the aerodrome OLS. The development is not within the protection areas as per our safeguarding maps. As there is no penetration of the aerodrome OLS surfaces, it is unlikely that there will be any Annex 14 OLS impacts due to the proposed wind farm.

Shannon Airport does, however, also note and share the concerns of our colleagues in Air Nav Ireland specifically relating to potential impacts on IFP's and NAVAIDS/radar systems. In this instance we are already aware of correspondence made to you directly by the Air Nav Ireland, Airspace and Navigation Manager ( dated 14<sup>th</sup> Aug) indicating that no issues have been identified with this development in respect of the above systems.

**Please note:** For developments of this type the following conditions/requirements must be considered:

- RECEIVED: 08/05/2025
- If the turbines are within 45km of Shannon Airport's ARP (Aerodrome Reference Point) and are greater than 100m in height they would be required to be included in the IAA Electronic Air Navigation Obstacle Dataset.
  - Also, standard: *Chapter Q (Visual Aids for Denoting Obstacles)* of the Certification Specifications for Aerodrome Design – Current Issue, contained in the EASA aerodrome rules must be applied to the turbines as they would be regarded as an extensive object.
  - During the construction phase of any development, any crane activity on the site must be pre-approved by the completion of the Shannon Airport Crane Operations application form (at least 30 days in advance) of any crane erection taking place in order for assessments to be carried out by the Airport, IAA and Air Nav Ireland against possible interferences by cranes against communication, navigation and surveillance systems.

We would welcome acknowledgement of receipt of this submission.

Yours sincerely,



Paul Hennessy  
Safety Compliance and Environment Manager  
[paul.hennessy@snnairportgroup.ie](mailto:paul.hennessy@snnairportgroup.ie)

## Sarah Gallagher

---

**From:** Roads <roads@clarecoco.ie> on behalf of Roads  
**Sent:** Tuesday 6 August 2024 15:42  
**To:** 'Sarah Gallagher'  
**Subject:** RE: Moanmore Wind Farm, Co. Clare

A Chara,

I acknowledge receipt of your email dated 6/8/2024 and confirm that same has been referred to the Road Design Office, for their attention. Please contact that office directly at [rdo@clarecoco.ie](mailto:rdo@clarecoco.ie) for any further queries.

Regards

**Joanne Galvin**  
**Clerical Officer**

Transportation Department

Clare County Council, Áras Contae an Chláir, New Road, Ennis, Co. Clare, V95 DXP2

**T:** 065 6846312 | **E:** [jgalvin@clarecoco.ie](mailto:jgalvin@clarecoco.ie) | **W:** [www.clarecoco.ie](http://www.clarecoco.ie)



COMHAIRLE CONTAE AN CHLÁIR  
CLARE COUNTY COUNCIL

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**From:** Sarah Gallagher <[sgallagher@jodireland.com](mailto:sgallagher@jodireland.com)>  
**Sent:** Tuesday, August 6, 2024 12:20 PM  
**To:** Roads <roads@clarecoco.ie>  
**Cc:** Sarah Moore <[smoore@jodireland.com](mailto:smoore@jodireland.com)>  
**Subject:** Moanmore Wind Farm, Co. Clare

Dear Sir/Madam,

Please find attached Scoping Letter with Report in relation to the above mentioned project for your consideration.

We would be grateful if you could revert with any comments you may have on the proposed development at your earliest convenience.

Thanks and Kind regards,

Sarah Gallagher

Administrator



**JENNINGS  
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**Head Office**

Finisklin Business Park, Sligo, Ireland, F91 RHH9. [MAP](#)

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08/05/2025



Sarah Moore  
Project Manager,  
Jennings O'Donovan & Partners Limited,  
Finisklin Business Park,  
Sligo, F91 RHH9

13th Sept 2024

**Re: – Moanmore Lower wind energy development, Kilrush, Co. Clare**

Dear Sarah,

Shannon Airport Authority DAC would make the following comments as a prescribed body in respect of this type of proposed development.

In general terms, the siting of wind turbines at this location may have implications for the operations of the communication, navigation and surveillance systems used by Air Nav Ireland for the separation and safety of aircraft. The geographical siting of these turbines may also have implications for the flight paths of aircraft.

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**Please note:** For developments of this type the following conditions/requirements must be considered:

- RECEIVED: 08/05/2025
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  - During the construction phase of any development, any crane activity on the site must be pre-approved by the completion of the Shannon Airport Crane Operations application form (at least 30 days in advance) of any crane erection taking place in order for assessments to be carried out by the Airport, IAA and Air Nav Ireland against possible interferences by cranes against communication, navigation and surveillance systems.

We would welcome acknowledgement of receipt of this submission.

Yours sincerely,



Paul Hennessy  
Safety Compliance and Environment Manager  
[paul.hennessy@snnairportgroup.ie](mailto:paul.hennessy@snnairportgroup.ie)

## Sarah Gallagher

---

**From:** Tom Barry <tom.barry@motorolasolutions.com> on behalf of Tom Barry  
**Sent:** Friday 18 October 2024 10:37  
**To:** Sarah Gallagher  
**Subject:** Re: EXTERNAL MAIL:- Moanmore Wind Farm, Co. Clare

Sarah,

We anticipate no impact from the development as proposed.

Regards,  
Tom

On Tue, Aug 6, 2024 at 12:49 PM Sarah Gallagher <[sgallagher@jodireland.com](mailto:sgallagher@jodireland.com)> wrote:

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Dear Sir/Madam,

Please find attached Scoping Letter with Report in relation to the above mentioned project for your consideration.

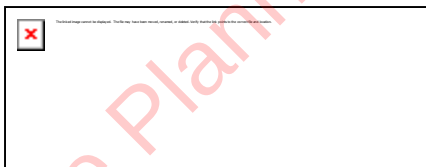
We would be grateful if you could revert with any comments you may have on the proposed development at your earliest convenience.

??

Thanks and Kind regards,

Sarah Gallagher

Administrator



**Head Office**

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## Sarah Gallagher

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**From:** INFO <Information@tii.ie> on behalf of INFO  
**Sent:** Friday 9 August 2024 12:30  
**To:** 'Sarah Gallagher'  
**Subject:** TII Ref: TII24-128299 - EIAR Scoping Request Moanmore Wind Farm, Co. Clare

Dear Ms Gallagher,

Thank you for your correspondence of 6 August 2024 regarding the above. Transport Infrastructure Ireland's (TII's) position in relation to your enquiry is as follows.

TII wishes to advise that it is not in a position to engage directly with planning applicants with respect to proposed developments. TII will endeavour to consider and respond to planning applications referred to it, given its status and duties as a statutory consultee under the Planning Acts. The approach to be adopted by TII in making such submissions or comments will seek to uphold official policy and guidelines, as outlined in the Section 28 Ministerial Guidelines 'Spatial Planning and National Roads Guidelines for Planning Authorities' (DoECLG, 2012) and TII publications. Regard should also be had to other relevant guidance available at [www.TII.ie](http://www.TII.ie).

The issuing of this correspondence is provided as best practice guidance only and does not prejudice TII's statutory right to make any observations, requests for further information, objections or appeals, following the examination of any valid planning application referred.

TII notes that the proposed development is in the vicinity of the N67. It is unclear where the proposed grid connection is to be directed.

With respect to EIAR Scoping issues, the recommendations indicated below provide only general guidance for the preparation of an EIAR, which may affect national road and / or light rail networks.

The project promoter should have regard, *inter alia*, to the following:

Having regard to the EPA's 'Guidelines on the information to be contained in Environmental Impact Assessment Reports' (2022), it is recommended as appropriate that the national road and light rail networks are recognised as strategic transport assets under "material assets". EIAR assessment and mitigation should have regard to the following:

- **National Roads:** Official policy for development at or near national roads is set out in the DoECLG's 'Spatial Planning and National Roads Guidelines for Planning Authorities' (2012), available at <https://www.gov.ie/en/collection/85b83-planning-guidelines-standards/>
- **TII Publications:** In addition, as part of TII's responsibilities for managing and improving the Country's national road and light rail networks, the Authority sets development guidance and standards for traffic and road assessments and construction, which may be necessary by reason of proposed development location, scale or typology, to be prepared to accompany applications for developments or works. Technical guidance and standards are contained in TII Publications, available at <https://www.tiipublications.ie/>.

In addition, the EIAR should have regard to, *inter alia*, to the following:

**National Road Network:**

- TII would be specifically concerned as to potential significant impacts the development would have on the national road network (and junctions with national roads), in the proximity of the proposed development.
- Consultations should be had with the relevant Local Authority/National Roads Design Office, with regard to the locations of existing and future national road schemes.
- The EIAR should have regard to any prior Environmental Impact Statement or Assessment Report and all conditions and/or modifications imposed by An Bord Pleanála regarding road schemes in the area. The developer should, in particular, have regard to any potential cumulative impacts.
- The EIAR should have regard to the provisions of Chapter 3 of the DoECLG 's 'Spatial Planning and National Roads Guidelines for Planning Authorities', in the assessment.

#### **TII Publications:**

- It would be important that, where appropriate, subject to meeting the appropriate thresholds and criteria and having regard to best practice, a Traffic and Transport Assessment (TTA) be carried out in accordance with relevant guidelines, noting traffic volumes attending the site and traffic routes to/from the site, with reference to impacts on the national road network and junctions of lower category roads with national roads. In relation to national roads, TII's 'Traffic and Transport Assessment Guidelines' (2014) should be referred to in relation to proposed development, with potential impacts on the national road network. The scheme promoter is also advised to have regard to Section 2.2 of TII's TTA Guidelines, which addresses requirements for sub-threshold TTA.
- The designers are asked to consult TII Publications to determine whether a Road Safety Audit is required.

#### **Haul routes utilising the national road network:**

- Elements of the national road network are operated and managed by a combination of (Public Private Partnerships) PPP Concessions, Motorway Maintenance and Renewal Contracts (MMaRC) and local road authorities, in association with TII. In relation to haul route identification, the applicant/developer should clearly identify haul routes proposed and fully assess the network to be traversed to ascertain any operational requirements, including delivery timetabling, etc., to ensure that the strategic function of the national road network is safeguarded.
- Separate structure approvals/permits and other licences and works specific deeds of indemnity may be required in connection with the proposed haul route, including where temporary modification to the road network may be required. Consultation with all relevant local authorities, PPP Companies and MMaRC Contractors, may also be required.
- All structures on the haul route should be checked by the applicant/developer to confirm their capacity to accommodate any abnormal load proposed, including abnormal weight load. Additionally, any damage caused to the pavement on the existing national road arising from any temporary works due to the turning movement of abnormal loads (e.g. tearing of the surface course, etc.) shall be rectified in accordance with TII Pavement Standards and details

in this regard shall be agreed with the Road Authority prior to the commencement of any development on site.

#### **National Road Crossings:**

- In the interests of maintaining the safety and standard of the national road network, the EIAR should identify the methods/techniques proposed for any works traversing/in proximity to the national road network.
- The preferred method of necessary national road network crossings is by horizontal directional drilling (HDD). It is appropriate for the designers to contact [thirdpartyworks@tii.ie](mailto:thirdpartyworks@tii.ie) in order to co-ordinate and process approvals for this type of crossing, which may include requirements for Section 53 consent and specific indemnities for the works.

#### **Potential cable routing:**

Any grid connection and cable routing proposals should be developed to safeguard proposed road schemes, as TII will not be responsible for costs associated with future relocation of cable routing where proposals are catered for in an area of a proposed national road scheme. In that regard, consideration should be given to routing options, use of existing crossings, depth of cable laying, etc.

In the context of the existing national road network, in accordance with the National Planning Framework National Strategic Outcome no. 2 'Enhanced Regional Accessibility', there is a requirement to maintain the strategic capacity and safety of the network. This requirement is further reflected in the National Development Plan, the National Investment Framework for Transport in Ireland and also the existing Statutory Section 28 'Spatial Planning and National Roads Guidelines for Planning Authorities'.

There is around 99,000km of roads in Ireland. The national road network, which caters for strategic inter-urban travel, consists of only approx. 5.4% of this. There is a critical requirement to ensure the strategic capacity and safety of this national road network is maintained and significant Government investment already made in the national road network is safeguarded.

The provision of cabling along the national road network represents a number of significant implications for TII and road authorities in the management and maintenance of the strategic national road network and TII is of the opinion that grid connection cable routing should reflect the foregoing provisions of official policy.

TII has identified a number of significant implications for TII and road authorities in the management and maintenance of the strategic national road network, resulting from the laying of high voltage electricity cabling in the national road reservation, including:

- Impacts on embankments, bridges, drainage and road furniture infrastructure leading to future maintenance liabilities.
- Impediments to future maintenance and operations activities, such as safety barrier repair and French drain renewal.
- Impediments to future routine network improvements such as pavement overlay and strengthening, installation of new verge-side signs and other road furniture.
- Impacts on network traffic flows during installation.
- Impediment to future on-line upgrades of national roads because of the implications to road authority/ TII in having to incur the additional costs of moving underground cables in order to accommodate the road improvements.

Proposals to lay cable in the national road reservation, including the construction of associated joint bays, have the potential to impact road authorities and TII in undertaking future maintenance and improvement requirements. There may also be additional cost implications to national road improvements and maintenance resulting from the presence of high voltage cabling within the national road reservation.

Section 12.4.1.1 'Accelerate Renewable Electricity Generation' of the Climate Action Plan 2024 (CAP24) outlines the objective of reaching 80% of electricity demand from renewable sources by 2030 through a range of measures, including; 'All relevant public bodies will carry out their functions in a manner which supports the achievement of the renewable electricity targets, including, but not limited to, the use of road and rail infrastructure to provide a route for grid infrastructure where this is the optimal solution'.

Consistent with CAP24, for all renewable energy developments requiring grid connection to the national grid, TII recommends that a full assessment of all route alternatives for grid connection takes place, including alternatives to public road, where appropriate to demonstrate clearly that the 'optimal solution' in accordance with CAP 24 requirements is proposed in the subject application. In TII's experience, grid connection accommodated on national roads has the potential, inter alia, to result in technical road safety issues such as differential settlement due to backfilling trenches and can impact on ability and cost of general maintenance, upgrades and safety works to existing national roads.

Other consents or licences may be required from the road authority for any trenching or cabling proposals crossing the national road. TII requests referral of all proposals agreed and licensed between the road authority and the applicant which affect the national road network.

Cable routing should avoid all impacts to existing TII infrastructure such as traffic counters, weather stations, etc. and works required to such infrastructure shall only be undertaken in consultation with and subject to the agreement of TII, any costs attributable shall be borne by the applicant/developer. The developer should also be aware that separate approvals may be required for works traversing the national road network.

**TII environmental assessment guidance:**

- The EIAR should have regard to TII's Environmental Assessment and Construction Guidelines, including the 'Good Practice Guidance for the Treatment of Noise during the Planning of National Road Schemes' (National Road Authority (NRA), 2014).
- The EIAR should consider the European Communities '(Environmental Noise) Regulations 2018' (S.I. No. 549 of 2018)) and, in particular, how the development will affect future action plans by the relevant competent authority. The developer may need to consider the incorporation of noise barriers to reduce noise impacts (see 'Good Practice Guidance for the Treatment of Noise during the Planning of National Road Schemes' (NRA, 2014)).

Notwithstanding any of the above, the developer should be aware that this list is non-exhaustive, thus site and development specific issues should be addressed in accordance with best practice.

I hope that this information is of assistance to you.

**Yours sincerely,**

**Suzanne Cahill**  
**Regulatory & Administration Executive**

**From:** Sarah Gallagher <sgallagher@jodireland.com>  
**Sent:** Tuesday, August 6, 2024 1:00 PM  
**To:** INFO <Information@tii.ie>  
**Cc:** Sarah Moore <smoore@jodireland.com>  
**Subject:** Moanmore Wind Farm, Co. Clare

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Dear Sir/Madam,

Please find attached Scoping Letter with Report in relation to the above mentioned project for your consideration.

We would be grateful if you could revert with any comments you may have on the proposed development at your earliest convenience.

Thanks and Kind regards,

Sarah Gallagher

Administrator



**Head Office**

Finisklin Business Park, Sligo, Ireland, F91 RHH9. [MAP](#)

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## Sarah Gallagher

---

**From:** Planning <Planning@water.ie> on behalf of Planning  
**Sent:** Wednesday 14 August 2024 09:13  
**To:** Sarah Gallagher  
**Cc:** Planning  
**Subject:** RE: FW: Moanmore Wind Farm, Co. Clare EMAIL:0307063  
**Attachments:** UÉ\_Response\_EIAScopingOpinion\_Moanmore Lower.pdf

Good morning Sarah,

Please find attached Uisce Éireann's response to your EIA scoping request relating to the proposal for 3 wind turbines and associated works in Co. Clare

Could you please notify myself OR [planning@water.ie](mailto:planning@water.ie) upon finalisation of the EIAR / submission of this planning application so that we can get a heads up and ensure we receive the referral in adequate time.

If you have any questions, please let me know and I will do my best to assist you with your query.

Kind regards,

**Cillian Claffey**  
Development Management Planning

### Mallow

#### Uisce Éireann

Teach na hAbhann Duibhe, Mala, Co. Chorcaí, P51 K3CX

#### Uisce Éireann

Blackwater House, Mallow, Co. Cork, P51 K3CX

----- Original Message -----

**From:** operations@water.ie;  
**Received:** Wed Aug 07 2024 13:11:33 GMT+0100 (Irish Standard Time)  
**To:** Planning <planning@water.ie>;  
**Subject:** FW: Moanmore Wind Farm, Co. Clare

-----Original Message-----

From: sgallagher@jodireland.com  
Sent: Tuesday, August 6, 2024 12:43 PM  
To: operations <operations@water.ie>  
Cc: Sarah Moore <smoore@jodireland.com>  
Subject: Moanmore Wind Farm, Co. Clare

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Dear Sir/Madam,

Please find attached Scoping Letter with Report in relation to the above mentioned project for your consideration.

We would be grateful if you could revert with any comments you may have on the proposed development at your earliest convenience.

Thanks and Kind regards,

Sarah Gallagher

Administrator

\*Head Office\*

Finisklin Business Park, Sligo, Ireland, F91 RHH9. MAP

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Is don duine amháin nó don eintiteas amháin ainmnithe ar an seoladh an fhaisnéis agus d'fhéadfadh ábhar faoi rún, faoi phribhléid nó ábhar atá íogair ó thaobh na tráchtála de a bheith mar chuid den fhaisnéis. Tá toirmeasc ar aon daoine nó aon eititis; nach dóibh siúd an fhaisnéis- aon athbhreithniú a dhéanamh, aon atarchur a dhéanamh nó aon athdháileadh a dhéanamh, nó aon úsáid eile a bhaint as an bhfaisnéis, nó aon ghníomh a bhraithfeadh ar an bhfaisnéis seo a dhéanamh agus d'fhéadfaí an dlí a sháru dá ndéanfaí sin. Séanann Uisce Éireann dlíteanas as aon ghníomh agus as aon iarmhairt bunaithe ar úsáid neamhúdraithe na faisnéise seo. Séanann Uisce Éireann dlíteanas maidir le seachadadh iomlán agus ceart na faisnéise sa chumarsáid seo agus séanann Uisce Éireann dlíteanas maidir le haon mhoill a bhaineann leis an bhfaisnéis a fháil. Má tá an ríomh-phost seo faighte agat trí dhearmad, déan

teagmháil leis an seoltóir más é do thoil é agus scríos an t-ábhar ó gach aon ríomhaire. D'fhéadfadh ríomhphost a bheith so-ghabhálach i leith truaillithe, idircheaptha agus i leith leasuithe neamhúdairithe. Séanann Uisce Éireann aon fhreagracht as athruithe nó as idircheapadh a rinneadh ar an ríomhphost seo nó as aon dochar do chórais na bhfaighteoirí déanta ag an teachtaireacht seo nó ag a ceangaltáin tar éis a sheolta. Tabhair faoi deara go bhféadfadh monatóireacht a bheith á dhéanamh ar theachtaireachtaí chuig Uisce Éireann agus ó Uisce Éireann d'fhonn ár ngnó a chosaint agus chun a chinntiú go bhfuiltear ag teacht le beartais agus le caighdeáin Uisce Éireann. Is cuideachta gníomhaíochta ainmnithe é Uisce Éireann atá faoi theorainn scaireanna, a bunaíodh de bhun fhorálacha na n-Achtanna um Sheirbhísí Uisce 2007-2022, a bhfuil a bpríomh-ionad gnó ag Teach Colvill, 24-26 Sráid na Talbóide, BÁC 1.

Go raibh maith agat as d'aird a thabhairt.

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Thank you for your attention.

**Uisce Éireann Ref:** PN24000009266  
**Planning Ref:** EIA Scoping Request in Clare  
**Issue Date:** 14 August 2024  
**By Email:** [sgallagher@jodireland.com](mailto:sgallagher@jodireland.com)

**Uisce Éireann**  
Bosca OP 6000  
Baile Átha Cliath 1  
D01 WA07  
Éire

**Uisce Éireann**  
PO Box 6000  
Dublin 1  
D01 WA07  
Ireland

**T:** +353 1 89 25000  
**F:** +353 1 89 25001  
**[www.water.ie](http://www.water.ie)**

**Development Location:**

Moanmore Lower, Co. Clare

**Development Description:**

Proposal for three wind turbine generators on the site with a nominal output of up to 5 MW each.

Dear Sarah Gallagher,

Uisce Éireann has received notification of your Environmental Impact Assessment (EIA) scoping request relating to Moanmore Lower Green Energy Ltd.'s forthcoming planning application for a wind farm development in Clare County.

Please see attached, Uisce Éireann's scoping opinion in relation to Water Services.

On receipt of the planning referral, Uisce Éireann will review the finalised Environmental Impact Assessment Report (EIAR) as part of the planning process.

Queries relating to the terms and observations above should be directed to [planning@water.ie](mailto:planning@water.ie)

PP *Cillian Claffey*

Signed on behalf of Dermot Phelan  
Connection Developer Services

## Uisce Éireann's Response to EIA Scoping Requests

At present, Uisce Éireann does not have the capacity to advise on the scoping of individual projects. However, in general the following aspects of Water Services should be considered in the scope of an EIA where relevant;

- a) Where the development proposal has the potential to impact an Uisce Éireann Drinking Water Source(s), the applicant shall provide details of measures to be taken to ensure that there will be no negative impact to Uisce Éireann's Drinking Water Source(s) during the construction and operational phases of the development. Hydrological / hydrogeological pathways between the applicant's site and receiving waters should be identified as part of the report.
- b) Where the development proposes the backfilling of materials, the applicant is required to include a waste sampling strategy to ensure the material is inert.
- c) Mitigations should be proposed for any potential negative impacts on any water source(s) which may be in proximity and included in the environmental management plan and incident response.
- d) Any and all potential impacts on the nearby reservoir as public water supply water source(s) are assessed, including any impact on hydrogeology and any groundwater/ surface water interactions.
- e) Impacts of the development on the capacity of water services (*i.e. do existing water services have the capacity to cater for the new development*). This is confirmed by Uisce Éireann in the form of a Confirmation of Feasibility (COF). If a development requires a connection to either a public water supply or sewage collection system, the developer is advised to submit a Pre-Connection Enquiry (PCE) enquiry to Uisce Éireann to determine the feasibility of connection to the Uisce Éireann network.  
  
All pre-connection enquiry forms are available from <https://www.water.ie/connections/connection-steps/>.
- f) The applicant shall identify any upgrading of water services infrastructure that would be required to accommodate the proposed development.
- g) In relation to a development that would discharge trade effluent – any upstream treatment or attenuation of discharges required prior to discharging to an Uisce Éireann collection network.
- h) In relation to the management of surface water; the potential impact of surface water discharges to combined sewer networks and potential measures to minimise and or / stop surface waters from combined sewers.

- i) Any physical impact on Uisce Éireann assets – reservoir, drinking water source, treatment works, pipes, pumping stations, discharges outfalls etc. including any relocation of assets.
- j) When considering a development proposal, the applicant is advised to determine the location of public water services assets, possible connection points from the applicant's site / lands to the public network and any drinking water abstraction catchments to ensure these are included and fully assessed in any pre-planning proposals. Details, where known, can be obtained by emailing an Ordnance Survey map identifying the proposed location of the applicant's intended development to [datarequests@water.ie](mailto:datarequests@water.ie)
- k) Other indicators or methodologies for identifying infrastructure located within the applicant's lands are the presence of registered wayleave agreements, visible manholes, vent stacks, valve chambers, marker posts etc. within the proposed site.
- l) Any potential impacts on the assimilative capacity of receiving waters in relation to Uisce Éireann discharge outfalls including changes in dispersion / circulation characterises. Hydrological / hydrogeological pathways between the applicant's site and receiving waters should be identified within the report.
- m) Any potential impact on the contributing catchment of water sources either in terms of water abstraction for the development (*and resultant potential impact on the capacity of the source*) or the potential of the development to influence / present a risk to the quality of the water abstracted by Uisce Éireann for public supply should be identified within the report.
- n) Where a development proposes to connect to an Uisce Éireann network and that network either abstracts water from or discharges wastewater to a "protected"/ sensitive area, consideration as to whether the integrity of the site / conservation objectives of the site would be compromised should be identified within the report.
- o) Mitigation measures in relation to any of the above ensuring a zero risk to any Uisce Éireann drinking water sources (Surface and Ground water).

*This is not an exhaustive list.*

**Please note;**

- Where connection(s) to the public network is required as part of the development proposal, applicants are advised to complete the Pre-Connection Enquiry process and have received a Confirmation of Feasibility letter from Uisce Éireann ahead of any planning application.
- Uisce Éireann will not accept new surface water discharges to combined sewer networks.

## Sarah Gallagher

---

**From:** Civils <Civils@virginmedia.ie> on behalf of Civils  
**Sent:** Tuesday 6 August 2024 14:28  
**To:** Sarah Gallagher  
**Subject:** RE: Moanmore Wind Farm, Co. Clare

Hi ,

I refer to your query of 6th August 2024 about the above location. Virgin Media does not have any record of underground services at this location as indicated by your drawing.

**However, please note that Virgin Media are continually expanding their network. If the location queried, is the proposed location of a New Development project, please submit your site plans to [newbuild@virginmedia.ie](mailto:newbuild@virginmedia.ie) as we may be able to expand our network to meet your new development needs.**

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Many Thanks.

Regards,

Breda Murphy | *Plant Protection Support*  
Construction Office  
**Virgin Media** | Unit 7, Westgate Business Park, Ballymount, Dublin 24.  
E: [civils@virginmedia.ie](mailto:civils@virginmedia.ie) | [Breda.Murphy@virginmedia.ie](mailto:Breda.Murphy@virginmedia.ie)



---

**From:** Sarah Gallagher <[sgallagher@jodireland.com](mailto:sgallagher@jodireland.com)>  
**Sent:** Tuesday, August 6, 2024 2:04 PM  
**To:** VMTV info <[VMTVinfo@virginmedia.ie](mailto:VMTVinfo@virginmedia.ie)>; Paul Driver <[Paul.Driver@virginmedia.ie](mailto:Paul.Driver@virginmedia.ie)>  
**Cc:** Sarah Moore <[smoore@jodireland.com](mailto:smoore@jodireland.com)>  
**Subject:** Moanmore Wind Farm, Co. Clare

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Dear Sir/Madam,

Please find attached Scoping Letter with Report in relation to the above mentioned project for your consideration.

We would be grateful if you could revert with any comments you may have on the proposed development at your earliest convenience.

Thanks and Kind regards,

Sarah Gallagher

Administrator



**Head Office**

Finisklin Business Park, Sligo, Ireland, F91 RHH9. [MAP](#)

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## Sarah Gallagher

**From:** enviroff <enviroff@clarecoco.ie> on behalf of enviroff  
**Sent:** Thursday 8 August 2024 10:56  
**To:** 'Sarah Gallagher'  
**Subject:** RE: Moanmore Wind Farm, Co. Clare

Dear Sarah

I wish to acknowledge receipt of your email.

I have referred same to relevant Teams within the Environment Section for their information.

Regards

**Marie O'Neill,**  
**Senior Staff Officer.**

Environment Department

Clare County Council, Áras Contae an Chláir, New Road, Ennis, Co. Clare, V95 DXP2

**T:** 065 6846 204 | **E:** [moneill@clarecoco.ie](mailto:moneill@clarecoco.ie) | **W:** [www.clarecoco.ie](http://www.clarecoco.ie) |

### LOCAL AUTHORITY OF THE YEAR 2022



COMHAIRLE CONTAE AN CHLÁIR  
CLARE COUNTY COUNCIL



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---

**From:** Sarah Gallagher <[sgallagher@jodireland.com](mailto:sgallagher@jodireland.com)>  
**Sent:** Tuesday, August 6, 2024 12:21 PM  
**To:** enviroff <enviroff@clarecoco.ie>  
**Cc:** Sarah Moore <[smoore@jodireland.com](mailto:smoore@jodireland.com)>  
**Subject:** Moanmore Wind Farm, Co. Clare

Dear Sir/Madam,

Please find attached Scoping Letter with Report in relation to the above mentioned project for your consideration.

We would be grateful if you could revert with any comments you may have on the proposed development at your earliest convenience.

Thanks and Kind regards,

Sarah Gallagher

Administrator



**Head Office**

Finisklin Business Park, Sligo, Ireland, F91 RHH9. [MAP](#)

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