



Submission

| | |
|---------------------------|--------------------------------------|
| Submitter: | Trish Smullen |
| Submission Title: | Submission Geological Survey Ireland |
| Submission Reference No.: | S010139 |
| Submission Received: | 02 November 2021 |

Application

| | |
|------------|----------------------------|
| Applicant: | Knockronaghan Farm Limited |
| Reg. No.: | P1160-01 |

See below for Submission details.

Attachments are displayed on the following page(s).

For inspection purposes only.
Consent of copyright owner required for any other use.

From: CorporateSupport.Unit <CorporateSupport.Unit@decc.gov.ie>
Sent: Tuesday 2 November 2021 16:22
To: Licensing Staff <licensing@epa.ie>
Cc: CorporateSupport.Unit <CorporateSupport.Unit@decc.gov.ie>
Subject: Reply from DECC re EIS 21/335 EPA Notification – Licence Application Review EPA043118, Poultry Farming, Monaghan

Good afternoon,

Please see attached and below correspondence a reply from Ms. Trish Smullen and Dr Clare Glanville on behalf of Geological Survey Ireland (a division of the Department of Environment, Climate and Communications) for the subject below. Please forward an acknowledgement of receipt to CorporateSupport.Unit@decc.gov.ie at your earliest convenience.

Regards,
Enda Brady,
Corporate Support Unit,
Department of Environment, Climate and Communications.

From: GSI Planning <GSIPlanning@GSI.ie>
Sent: Tuesday 2 November 2021 15:13
To: CorporateSupport.Unit <CorporateSupport.Unit@decc.gov.ie>
Cc: Clare Glanville <Clare.Glanville@decc.gov.ie>; GSI Planning <GSIPlanning@GSI.ie>
Subject: RE: EIS 21/335 EPA Notification – Licence Application Review EPA043118, Poultry Farming, Monaghan

Hi Enda,
Please see attached for return to the EPA.
Thanks,
Trish

From: GSI Planning
Sent: 17 September 2021 10:17
Cc: GSI Planning
Subject: EIS 21/335 EPA Notification – Licence Application Review EPA043118, Poultry Farming, Monaghan

EIS 21/335 EPA Notification – Licence Application Review EPA043118, Poultry Farming, Monaghan

EIAR submitted as part of EPA EI Licence Review for Intensive Agriculture Poultry Farming Knockronaghan Farm Limited, Knockronaghan, Monaghan, Monaghan

Responses due as soon as possible

Regards, Clare



Dr Clare Glanville Senior Geologist Geoheritage & Planning.

Geological Survey Ireland, Beggars Bush, Haddington Road, Dublin D04 K7X4, Ireland.

T +353 (0)1 678 2837 E clare.glanville@DECC.gov.ie www.gsi.ie

A division of the Department of the Environment, Climate and Communications.

From: noreply Reply [<mailto:noreply@epa.ie>]

Sent: 15 September 2021 10:49

To: An Taisce - The National Trust For Ireland; Department of Agriculture, Food and the Marine; Department of Culture, Heritage and the Gaeltacht; Department of Transport, Tourism and Sport; CorporateSupport.Unit; WPPR; Fáilte Ireland - Spec. Body; Health & Safety Authority; Health Service Executive (HSE); Inland Fisheries Ireland - Spec Body; Irish Water - Spec. Body; Monaghan County Council -Environ Section Spec Body; Monaghan County Council-Planning Section Spec Body; Teagasc; The Heritage Council

Subject: EPA Notification – Licence Application/Review Received EPA043118

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,

In accordance with the provisions of the applicable licensing regulations, you are being routinely notified that an application for a licence, details of which are set out below, was received by the Agency on 10 September 2021.

- Consent of copyright owner required for any other use.*
- | | |
|--|---|
| - Licence Type: | Industrial Emissions (IE) |
| - Name and address of applicant: | Knockronaghan Farm Limited, Knockronaghan, Monaghan, Monaghan |
| - Location of installation: | Knockronaghan, Monaghan, Monaghan, A00 AA00 |
| - Reference No: | P1160-01 |
| - EIS/EIAR submitted: | Yes |
| - Planning Authority to whom EIS/EIAR has been submitted: | Monaghan County Council |

| Classes and Nature of Activity in accordance with the EPA Act 1992 as amended | | | |
|--|----------------------|--|---|
| Class of Activity | Main Activity | EPA Act Sector (where applicable) | Class of Activity Description |
| 6.1 (a) | Yes | Intensive Agriculture | The rearing of poultry in installations where the capacity exceeds 40,000 places. |

The EIS/EIAR is available for public inspection on the EPA website alongside

- i. any information provided to the Agency under paragraph (e) or (f)(ii)(II) of section 83(2A) of the EPA Act 1992;
- ii. any opinion issued by the Agency under section 83(2A)(de) of the EPA Act 1992 on the scope of the environmental impact assessment report.
- iii. any further information, including reports and advice, relating to the environmental impact assessment as may be furnished to the Agency in the course of the Agency's consideration of the application.

Submissions may be made in writing to the Agency in relation to the likely effects on the environment of the proposed activity within the period specified by the Agency on its website under Regulation 4(2)(c) of the licensing regulations.

For inspection purposes only. Consent of copyright owner required for any other use.

The application is being processed by the Agency and you will be notified of the decision in due course. In this regard any comments in relation to this application should be forwarded to the Agency as soon as possible. A copy of the application and associated correspondence are available for public inspection on the Agency's website www.epa.ie.

Please direct any queries that you may have in relation to the above to licensing@epa.ie.

Please note that there is no requirement for you to acknowledge receipt of this notice.

If you have no comments to make in relation to this application, there is no requirement for you to reply to the Agency.

Yours sincerely,

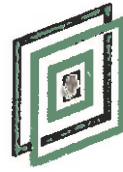
Environmental Licensing Programme
Office of Environmental Sustainability

Tel: 053 – 9160600

Disclaimer:

This electronic message contains information (and may contain files), which may be privileged or confidential. The information is intended to be for the sole use of the individual(s) or entity named above. If you are not the intended recipient be aware that any disclosure, copying, distribution or use of the contents of this information and or files is prohibited. If you have received this electronic message in error, please notify the sender immediately. This is also to certify that this mail has been scanned for viruses.

Tá eolas sa teachtaireacht leictreonach seo (agus b'fhéidir sa chomhaid ceangailte leis) a d'fhéadfadh bheith príobháideach nó faoi rún. Is le h-aghaidh an duine/na ndaoine nó le h-aghaidh an aonáin atá ainmnithe thuas agus le haghaidh an duine/na ndaoine sin amháin atá an t-eolas. Murab ionann tusa agus an té a bhfuil an teachtaireacht ceaptha do bíodh a fhios agat nach gceadaítear nochtadh, cóipeáil, scaipeadh nó úsáid an eolais agus/nó an chomhaid seo. Más trí earráid a fuair tú an teachtaireacht leictreonach seo cuir, más é do thoil é, an té ar sheol an teachtaireacht ar an eolas láithreach. Deimhnítear leis seo freisin nár aims odh víreas sa phost seo tar éis a scanadh.



Environmental Licensing Programme
Office of Environmental Sustainability
EPA
Johnstown Castle Estate
Wexford, Y35 W821

02 November 2021

**Re: EPA Industrial Emissions Licence Application Review for Intensive Agriculture Poultry Farming,
Knockronaghan Farm Limited, Knockronaghan, Monaghan, County Monaghan**

Your Ref: P1160-01

Our Ref: 21/335

Dear Sir/Madam,

Geological Survey Ireland is the national earth science organisation and is a division of the Department of the Environment, Climate and Communications. We provide independent geological information and advice 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'.

With reference to your email received on the 15th September 2021, concerning the industrial emissions licence application review for intensive agriculture poultry farming, Knockronaghan Farm Limited, 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 provides more detail on some of these datasets, with particular reference to the site of the poultry farm.

We are pleased to see use of our Groundwater Aquifer and Groundwater Vulnerability datasets within the EIAR.

Geoheritage

Geological Survey Ireland is in partnership with the National Parks and Wildlife Service (NPWS, Department of Housing, Local Government and Heritage), to identify and select important geological and geomorphological sites throughout the country for designation as geological NHAs (Natural Heritage Areas). This is addressed by the Geoheritage Programme of Geological Survey Ireland, under 16 different geological themes, in which the minimum number of scientifically significant sites that best represent the theme are rigorously selected by a panel of theme experts.

County Geological Sites (CGSs), as adopted under the National Heritage Plan, include additional sites that may also be of national importance, but which were not selected as the very best examples for NHA designation. All geological heritage sites identified by Geological Survey Ireland are categorised as CGS pending any further NHA designation by 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. Monaghan was carried out in 2013. The full report details can be found [here](#). Our records show that there are no CGSs in the vicinity of the proposed poultry 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 and emissions licensing applications 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 the proposed site of the poultry farm is underlain by a “Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones.” The Groundwater Vulnerability map indicates variable groundwater vulnerability within the area covered. We would therefore recommend use of the Groundwater Viewer to identify areas of High Vulnerability in your assessments, as any groundwater-surface water interactions that might occur would be greater in these areas.

There is a Public Water Supply Scheme located 2.75km from the proposed poultry farm: Monaghan PWS. The Groundwater Protection Response overview and link to the main report is here: <https://www.gsi.ie/en-ie/programmes-and-projects/groundwater-and-geothermal-unit/projects/protecting-drinking-water/what-is-drinking-water-protection/county-groundwater-protection-schemes/Pages/default.aspx>

I hope that these comments are of assistance, and if we can be of any further help, please do not hesitate to contact me Clare Glanville, or my colleague Trish Smullen at GSIPlanning@gsi.ie.

Yours sincerely,

Clare Glanville
Senior Geologist
Geological Survey Ireland

For inspection purposes only.
Consent of copyright owner required for any other use.

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 | Dataset / Notes | Link to Geological Survey Ireland map viewer |
|-------------------------------------|---|-------------------------------|----------|---|---|
| Geohazards | Landslides, National landslide database and landslides susceptibility map | Land & Soil/Climax/Landscape | National | Associated guidance documentation relating to the National Landslide Susceptibility Map is also available. Provide information on historic flooding, both surface water and groundwater. If 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://dceen.maps.arcgis.com/apps/webappviewer/index.html?id=18681746651794694659819595659562528 |
| Geohazards | Groundwater Flooding (Historic) | Water | Regional | Provides information on the probability of future low to ground-water flooding (where available). This map does not, and is 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://dceen.maps.arcgis.com/apps/webappviewer/index.html?id=99943665065653957935b1cc |
| Geohazards | Groundwater Flooding (Predictive) | Water | Regional | | https://dceen.maps.arcgis.com/apps/webappviewer/index.html?id=99943665065653957935b1cc |
| Geohazards | Radiation Map | Land & Soil/Air | National | | https://dceen.maps.arcgis.com/apps/webappviewer/index.html?id=99943665065653957935b1cc |
| Geohazards | County Geological Show as adopted by National Heritage Plan and listed in County Development Plan | Land & Soil/Landscape | Regional | All geological heritage sites identified by Geological Survey Ireland are categorised as OSS pending any further NHA designation by NPWS. | https://dceen.maps.arcgis.com/apps/webappviewer/index.html?id=99943665065653957935b1cc |
| Geological Mapping | Bedrock geology | Land & Soil | National | 1:100,000 scale and associated memoirs. | https://dceen.maps.arcgis.com/apps/webappviewer/index.html?id=99943665065653957935b1cc |
| Geological Mapping | Bedrock geology | Land & Soil | Regional | 1:50,000 scale | https://dceen.maps.arcgis.com/apps/webappviewer/index.html?id=99943665065653957935b1cc |
| Geological Mapping | Quaternary geology, Sediments | Land & Soil | National | 1:50,000 scale | https://dceen.maps.arcgis.com/apps/webappviewer/index.html?id=99943665065653957935b1cc |
| Geological Mapping | Quaternary geology, Geomorphology | Land & Soil | Regional | 1:50,000 scale | https://dceen.maps.arcgis.com/apps/webappviewer/index.html?id=99943665065653957935b1cc |
| Geological Mapping | Physiographic units | Land & Soil | National | Brook-scale physical landscape units mapped at 1:50,000 scale in order to be represented as a cartographic digital map at 1:250,000 scale | https://dceen.maps.arcgis.com/apps/webappviewer/index.html?id=99943665065653957935b1cc |
| Geological Mapping | Geological Special geological data for the Greater Dublin and Cork areas | Land & Soil | Regional | Includes 3D models | https://dceen.maps.arcgis.com/apps/webappviewer/index.html?id=99943665065653957935b1cc |
| Geological Mapping | Geological databases | Land & Soil | National | Aggregates geological and site investigation reports and boreholes which can be accessed through online databases | https://dceen.maps.arcgis.com/apps/webappviewer/index.html?id=99943665065653957935b1cc |
| Geological Mapping | Historical data sets including geological memoirs and 1:2.5 mile geological mapping reports | Land & Soil/Water | National | Includes 3D models | https://dceen.maps.arcgis.com/apps/webappviewer/index.html?id=99943665065653957935b1cc |
| Groundwater & Geothermal | Groundwater resources (Equifers) | Water | National | Data limited to 1:50,000 scale. Sites should be investigated at local scale | https://dceen.maps.arcgis.com/apps/webappviewer/index.html?id=99943665065653957935b1cc |
| Groundwater & Geothermal | Groundwater resources (Equifers) | Water | National | Data limited to 1:50,000 scale. Sites should be investigated at local scale | https://dceen.maps.arcgis.com/apps/webappviewer/index.html?id=99943665065653957935b1cc |
| Groundwater & Geothermal | Groundwater vulnerability | Water | National | Long term annual average recharge | https://dceen.maps.arcgis.com/apps/webappviewer/index.html?id=99943665065653957935b1cc |
| Groundwater & Geothermal | Group scheme and public supply source protection areas | Water | National | Not all IWS / GWS have SPZ / ZOC. Check with WJ / GWS / WEGMS for private supplies. | https://dceen.maps.arcgis.com/apps/webappviewer/index.html?id=99943665065653957935b1cc |
| Groundwater & Geothermal | Groundwater Protection Scheme | Water | National | Data is limited to scale of 1:50,000. Data does not include all of the source protection areas | https://dceen.maps.arcgis.com/apps/webappviewer/index.html?id=99943665065653957935b1cc |
| Groundwater & Geothermal | Catchment and WFD management units | Water | National | For areas underlain by limestone, includes karst features, tracer test databases, surface water levels (low/high) | https://dceen.maps.arcgis.com/apps/webappviewer/index.html?id=99943665065653957935b1cc |
| Groundwater & Geothermal | Large specific data layers | Water | National | Not comprehensive, there may be unrecorded wells and springs | https://dceen.maps.arcgis.com/apps/webappviewer/index.html?id=99943665065653957935b1cc |
| Groundwater & Geothermal | Wells and Springs | Water | National | Not exhaustive, only those in designated SACs; could be other GWDTES, for more information contact NPWS / EPA / site investigations | https://dceen.maps.arcgis.com/apps/webappviewer/index.html?id=99943665065653957935b1cc |
| Groundwater & Geothermal | Groundwater body Descriptors | Water | National | Also, Roadmap for a Policy and Regulatory Framework for Geothermal Energy, November 2020 | https://dceen.maps.arcgis.com/apps/webappviewer/index.html?id=99943665065653957935b1cc |
| Groundwater & Geothermal | Geothermal Subsidy maps | Land & Soil/Water | National | | https://dceen.maps.arcgis.com/apps/webappviewer/index.html?id=99943665065653957935b1cc |
| Marine & Coastal Unit | Marine & Coastal Unit | Water | Regional | | https://dceen.maps.arcgis.com/apps/webappviewer/index.html?id=99943665065653957935b1cc |
| Marine & Coastal Unit | Marine & Coastal Unit | Water | Regional | | https://dceen.maps.arcgis.com/apps/webappviewer/index.html?id=99943665065653957935b1cc |
| Marine & Coastal Unit | Marine & Coastal Unit | Water | Regional | | https://dceen.maps.arcgis.com/apps/webappviewer/index.html?id=99943665065653957935b1cc |
| Minerals | Aggregate potential | Land & Soil/Material Assets | National | Currently the project is being carried out on the east coast only will be rolled out nationally | https://dceen.maps.arcgis.com/apps/webappviewer/index.html?id=99943665065653957935b1cc |
| Minerals | Active quarries | Land & Soil | National | Consolidation of national resources and potential resources as a national asset which should be explicitly recognised within the environmental assessment process | https://dceen.maps.arcgis.com/apps/webappviewer/index.html?id=99943665065653957935b1cc |
| Minerals | Historic mines | Land & Soil/Cultural Heritage | National | Inventory and Risk Characterisation 2009, Environmental Protection Agency, Economic Minerals Division and Geological Survey Ireland (DECC). | https://dceen.maps.arcgis.com/apps/webappviewer/index.html?id=99943665065653957935b1cc |
| Tellus | Geological data: multi-element data for shallow soil, stream sediment and stream water | Land & Soil | Regional | A national mapping programme | https://dceen.maps.arcgis.com/apps/webappviewer/index.html?id=99943665065653957935b1cc |
| Tellus | Airborne geophysical data including magnetometry, electromagnetics and magnetics | Land & Soil | Regional | A national mapping programme | https://dceen.maps.arcgis.com/apps/webappviewer/index.html?id=99943665065653957935b1cc |
| Tellus | Urban geochemistry mapping (DUBLIN SURGE project) | Land & Soil | Regional | A national mapping programme | https://dceen.maps.arcgis.com/apps/webappviewer/index.html?id=99943665065653957935b1cc |

1. The maps and data listed above are available on the Geological Survey Ireland map viewer <https://www.gsi.ie/en-IE/dataset-and-map/Pages/default.aspx>
 2. Please read all disclaimers carefully when using Geological Survey Ireland data
 3. Geological Survey Ireland and Irish Concrete Federation published guidelines for the treatment of geological heritage in the extractive industry in 2008.

For inspection purposes only.
Consent of copyright owner required for any other use.