

Submission

Submitter:	Trish Smullen
Submission Title:	Submission
Submission Reference No.:	S010152
Submission Received:	18 November 2021

Application

Applicant:	Annaghlough Farm Limited
Reg. No.:	P1161-01

See below for Submission details.

Attachments are displayed on the following page(s).

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Version No. 1
April 2021

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://decent.maps.arcgis.com/apps/webappviewer/index.html?id=b68d1e4d3944a5981f959e9b95623c
			Regional	Provides information on the probability of future landslides (floodwater 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://decent.maps.arcgis.com/apps/webappviewer/index.html?id=848f8183579943b880652f7b7c7351cc
Geohazards	Groundwater Flooding (Historic)	Water	Regional	Provides information on the probability of future landslides (floodwater 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://decent.maps.arcgis.com/apps/webappviewer/index.html?id=848f8183579943b880652f7b7c7351cc
Geohazards	Groundwater Flooding (Predictive)	Water	Regional	Provides information on the probability of future landslides (floodwater 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://decent.maps.arcgis.com/apps/webappviewer/index.html?id=848f8183579943b880652f7b7c7351cc
Geohazards	Radiation Map	Land & Soils/Air	National	Provides information on the probability of future landslides (floodwater 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://www.epa.ie/radiation/radiomap/
Geohazards	County Geological Sites as adopted by National Heritage Plan and listed in County Development Plan	Land & Soils/Landscape	Regional	All geological heritage sites identified by Geological Survey Ireland are categorised as COS pending any further NHA designation by NPWS.	https://decent.maps.arcgis.com/apps/webappviewer/index.html?id=7012e99d7749a0b106e7ee1b6a88d5&scale=0
Geological Mapping	Bedrock geology	Land & Soils	Regional	1:100,000 scale and associated memoirs.	https://decent.maps.arcgis.com/apps/webappviewer/index.html?id=7012e99d7749a0b106e7ee1b6a88d5&scale=0
			Regional	1:100,000 scale	https://decent.maps.arcgis.com/apps/webappviewer/index.html?id=7012e99d7749a0b106e7ee1b6a88d5&scale=0
Geological Mapping	Quaternary geology: Sediments	Land & Soils	Regional	1:100,000 scale	https://decent.maps.arcgis.com/apps/webappviewer/index.html?id=7012e99d7749a0b106e7ee1b6a88d5&scale=0
			Regional	1:100,000 scale	https://decent.maps.arcgis.com/apps/webappviewer/index.html?id=7012e99d7749a0b106e7ee1b6a88d5&scale=0
Geological Mapping	Quaternary geology: Geomorphology	Land & Soils	Regional	1:100,000 scale	https://decent.maps.arcgis.com/apps/webappviewer/index.html?id=7012e99d7749a0b106e7ee1b6a88d5&scale=0
			Regional	1:100,000 scale	https://decent.maps.arcgis.com/apps/webappviewer/index.html?id=7012e99d7749a0b106e7ee1b6a88d5&scale=0
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://decent.maps.arcgis.com/apps/webappviewer/index.html?id=7012e99d7749a0b106e7ee1b6a88d5&scale=0
Geological Mapping	Geo/Urban Spatial geological data for the greater Dublin and Cork areas	Land & Soils	Regional	Includes 3D models	https://decent.maps.arcgis.com/apps/webappviewer/index.html?id=7012e99d7749a0b106e7ee1b6a88d5&scale=0
Geological Mapping	Geotechnical database	Land & Soils	Regional	Digitised geotechnical and Site Investigation Reports and boreholes which are accessible through online downloads	https://decent.maps.arcgis.com/apps/webappviewer/index.html?id=7012e99d7749a0b106e7ee1b6a88d5&scale=0
Geological Mapping	Historical data sets including geological memoirs and 6" to 1 mile geological mapping records	Land & Soils/Water	National	Available online	https://secure.dice.ie.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 scale	https://decent.maps.arcgis.com/apps/webappviewer/index.html?id=7012e99d7749a0b106e7ee1b6a88d5&scale=0
Groundwater & Geothermal	Groundwater recharge	Water	National	Data limited to 1:100,000 scale; sites should be investigated at local scale	https://decent.maps.arcgis.com/apps/webappviewer/index.html?id=7012e99d7749a0b106e7ee1b6a88d5&scale=0
Groundwater & Geothermal	Groundwater vulnerability	Water	National	Data limited to 1:100,000 scale; sites should be investigated at local scale	https://decent.maps.arcgis.com/apps/webappviewer/index.html?id=7012e99d7749a0b106e7ee1b6a88d5&scale=0
Groundwater & Geothermal	Group scheme and public supply source protection areas.	Water	National	Not in PAS / GWS series 392 / ZOC. Check with NW / Local / NREWS for	https://decent.maps.arcgis.com/apps/webappviewer/index.html?id=7012e99d7749a0b106e7ee1b6a88d5&scale=0
Groundwater & Geothermal	Groundwater Protection Schemes	Water	National	Data limited to 1:100,000 scale	https://decent.maps.arcgis.com/apps/webappviewer/index.html?id=7012e99d7749a0b106e7ee1b6a88d5&scale=0
Groundwater & Geothermal	Catchment and WFD management units.	Water	National	Data limited to 1:100,000 scale	https://decent.maps.arcgis.com/apps/webappviewer/index.html?id=7012e99d7749a0b106e7ee1b6a88d5&scale=0
Groundwater & Geothermal	Lands specific data layers	Water	National	For areas underlain by limestone, includes karst features, tracer test	https://decent.maps.arcgis.com/apps/webappviewer/index.html?id=7012e99d7749a0b106e7ee1b6a88d5&scale=0
Groundwater & Geothermal	Wells and Springs	Water	National	Database, turbid water levels (available)	https://decent.maps.arcgis.com/apps/webappviewer/index.html?id=7012e99d7749a0b106e7ee1b6a88d5&scale=0
Groundwater & Geothermal	Groundwater body Descriptions	Water	National	Not comprehensive, there may be unrecorded wells and springs	https://decent.maps.arcgis.com/apps/webappviewer/index.html?id=7012e99d7749a0b106e7ee1b6a88d5&scale=0
Groundwater & Geothermal	Geothermal Suitability maps	Water	National	Not exhaustive; only those in designated SACs; could be other GWDTEs; for more information contact NPWS / EPA / Site Investigations	https://www.epa.ie/en-ie/programmes-and-projects/groundwater-and-geothermal-unit/activities/understanding-ireland-groundwater-bodies.aspx
Groundwater & Geothermal	INFORMAR - Ireland's national marine mapping programme; providing key baseline data for Ireland's	Land & Soils/Water	National	Also, Roadmap for a Policy and Regulatory Framework for Geothermal Energy, November 2020	https://decent.maps.arcgis.com/apps/webappviewer/index.html?id=7012e99d7749a0b106e7ee1b6a88d5&scale=0
Marine & Coastal Unit	CHERISH - Coastal change project (Climate, Heritage and Environments of Reefs, Islands, and Headlands)	Water	Regional	Also, Roadmap for a Policy and Regulatory Framework for Geothermal Energy, November 2020	https://secure.dice.ie.gov.ie/GSI/INFORMAR_VIEWER/
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.epa.ie/en-ie/programmes-and-projects/groundwater-and-geothermal-unit/activities/understanding-ireland-groundwater-bodies.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://decent.maps.arcgis.com/apps/webappviewer/index.html?id=7012e99d7749a0b106e7ee1b6a88d5&scale=0
Minerals	Active quarries	Land & Soils	National	Consideration of mineral resources and potential resources as a material asset which should be explicitly recognised within the environmental assessment process	https://decent.maps.arcgis.com/apps/webappviewer/index.html?id=7012e99d7749a0b106e7ee1b6a88d5&scale=0
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://decent.maps.arcgis.com/apps/webappviewer/index.html?id=7012e99d7749a0b106e7ee1b6a88d5&scale=0
Minerals	Geotechnical data: multi-element data for shallow soil, stream sediment and stream water	Land & Soils	Regional	A national mapping programme	https://decent.maps.arcgis.com/apps/webappviewer/index.html?id=7012e99d7749a0b106e7ee1b6a88d5&scale=0
Minerals	Urban geophysical data including radiometrics, electromagnetics and magnetics	Land & Soils	Regional	A national mapping programme	https://decent.maps.arcgis.com/apps/webappviewer/index.html?id=7012e99d7749a0b106e7ee1b6a88d5&scale=0
Minerals	Urban geophysical data: Dublin SURGE project.	Land & Soils	Regional	A national mapping programme	https://decent.maps.arcgis.com/apps/webappviewer/index.html?id=7012e99d7749a0b106e7ee1b6a8

Notes:

1. The maps and data listed above are available on the Geological Survey Ireland data and maps viewer <https://www.gsi.ie/en-ie/data-and-maps/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.



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

18 November 2021

Re: Industrial Emissions Licence, Annaglough Farm Limited, Annaglough, Co. Cavan

Your Ref: P1161-01
Our Ref: 21/347

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 23rd September, concerning the industrial emissions licence application for Annaglough Farm, 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 Annaglough 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. Cavan 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 Annaglough 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 Resources (Aquifer) Data Viewer indicates the poultry farm is underlain by a “Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones.” The Groundwater Vulnerability map indicates ‘High’ groundwater vulnerability within the area covered.

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

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

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Noeleen Keavey

From: Noeleen Keavey
Sent: Tuesday 23 November 2021 15:34
To: Noeleen Keavey
Subject: FW: Reply from DECC re 21_347
_Application_for_an_IE_licence_Annaghlough_Farm_Limited_Annaghlough_Cavan
EPA043678
Attachments: 21_347 EPA IE Licence Annaghlough Farm Limited Annaghlough Cavan.pdf; GSI
datasets relevant to EIA & SEA_20210421.pdf

From: CorporateSupport.Unit <CorporateSupport.Unit@decc.gov.ie>
Sent: 18 November 2021 17:36
To: Licensing Staff <licensing@epa.ie>
Cc: CorporateSupport.Unit <CorporateSupport.Unit@decc.gov.ie>
Subject: Reply from DECC re 21_347_Application_for_an_IE_licence_Annaghlough_Farm_Limited_Annaghlough_Cavan
EPA043678

Good afternoon,

Please see attached and below a reply from Ms. Trish Smullen and Dr Clare Glanville (Senior Geologist) 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: Thursday 18 November 2021 14:32
To: CorporateSupport.Unit <CorporateSupport.Unit@decc.gov.ie>
Cc: Clare Glanville <Clare.Glanville@decc.gov.ie>; GSI Planning <GSIPlanning@GSI.ie>
Subject: RE: 21_347_Application_for_an_IE_licence_Annaghlough_Farm_Limited_Annaghlough_Cavan EPA043678

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

From: GSI Planning
Sent: 24 September 2021 15:08
Cc: GSI Planning
Subject: 21_347_Application_for_an_IE_licence_Annaghlough_Farm_Limited_Annaghlough_Cavan EPA043678

EIS 21/347

EPA Notification – Licence Application/Review Received EPA043678 Annaghlough Farm Limited,
Annaghlough, Cavan

Information available here: www.epa.ie using this search reference EPA043678

Please forward specific comments if any to include in GSI Planning response.

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: 23 September 2021 16:34

To: An Taisce - The National Trust For Ireland; Cavan County Council - Environ Section Spec Body; Cavan County Council - Planning Section Spec Body; 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; Teagasc; The Heritage Council

Subject: EPA Notification – Licence Application/Review Received EPA043678

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 20 September 2021.

- Licence Type:	Industrial Emissions (IE)
- Name and address of applicant:	Annaghlough Farm Limited, Annaghlough, Cavan, Cavan
- Location of installation:	Aghnaghlough, Cavan, Cavan, A00 A000
- Reference No:	P1161-01
- EIS/EIAR submitted:	Yes
- Planning Authority to whom EIS/EIAR has been submitted:	Cavan 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.

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

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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 dó 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.

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