

Submission

Submitter:	Trish Smullen
Submission Title:	Submission
Submission Reference No.:	S010012
Submission Received:	01 June 2021

Application

Applicant:	Clondrisse Pig Farm Limited
Reg. No.:	P0975-02

See below for Submission details.

Attachments are displayed on the following page(s).

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

01 June 2021

Re: EPA Licence Application to discharge industrial emissions at Clondrisse Pig Farm Ltd., Co. Westmeath

Your Ref: P0975-02

Our Ref: 21/166

Dear Sir/Madam,

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 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 17 May 2021, concerning the EPA Licence Application to discharge industrial emissions at Clondrisse Pig Farm Ltd., Co. Westmeath, 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

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. Westmeath was carried out in 2019. The full report details can be found at [The Geological Heritage of County Westmeath](#). **Our records show that there are no CGSs in the vicinity of the pig 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 a 'Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones' underlies the pig farm. The Groundwater Vulnerability map indicates the area covered is classified as Moderate to High Vulnerability.

If the waste arising from the pig farm is being landspread, it should comply with the Licensed Landspreading Groundwater Protection Response

(https://www.gsi.ie/documents/Groundwater_Response_Matrix_for_Landspreading_of_Organic_Waste.pdf).

This document indicates the site assessment requirements for the particular groundwater vulnerability, aquifer and source protection area setting.

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>.

Other Comments

We would encourage the EPA to use our online datasets that may be of use in assessing planning applications and for assessing Environmental Assessment Impact Reports (EIAR). Further information on our Geoheritage, Bedrock, Subsoils, Groundwater, Landslide Susceptibility and Minerals datasets can be found on the online [Map Viewer](#). Please find attached a list of our current publicly available data sets that should be considered where appropriate.

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.

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://licenr.maps.arcgis.com/apps/webappviewer/index.html?id=6686f1e44904a5581950e9b55625c
				Groundwater Flooding (Historic)	https://licenr.maps.arcgis.com/apps/webappviewer/index.html?id=848183485799436808652f9c73501cc
Geohazards	Groundwater Flooding (Predictive) Radon Map	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://www.epa.ie/radiation/radonmap/
				Land & Soils/Air	https://licenr.maps.arcgis.com/apps/MapSeries/index.html?appid=320a15138e874c40bb7b0e2aa3c3228
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 GSS pending any further NHA designation by NPWS.	https://licenr.maps.arcgis.com/apps/webappviewer/index.html?id=7012a99e2748ea9106e7ee1b6a8845f8ca1e0
				Bedrock geology	https://licenr.maps.arcgis.com/apps/webappviewer/index.html?id=7012a99e2748ea9106e7ee1b6a8845f8ca1e0
Geohazards	Quaternary geology: Sediments Quaternary geology: Geomorphology	Land & Soils	National	1:100,000 scale	https://licenr.maps.arcgis.com/apps/webappviewer/index.html?id=7012a99e2748ea9106e7ee1b6a8845f8ca1e0
				1:50,000 scale	https://licenr.maps.arcgis.com/apps/webappviewer/index.html?id=7012a99e2748ea9106e7ee1b6a8845f8ca1e0
Geohazards	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://licenr.maps.arcgis.com/apps/webappviewer/index.html?id=a76a20c154877813aa1c075652b
				Geohazards: Spatial geological data for the greater Dublin and Cork areas	https://licenr.maps.arcgis.com/apps/webappviewer/index.html?id=97f6814813b19416093b6d2112a850c6&scale=0
Geohazards	Geotechnical database Historical data sets including geological memoirs and 6" to 1 mile geological mapping records.	Land & Soils	National	Includes 3D models	https://licenr.maps.arcgis.com/apps/webappviewer/index.html?id=768a202301594687ab14629a10b748ef
				Geotechnical database	https://licenr.maps.arcgis.com/apps/webappviewer/index.html?id=768a202301594687ab14629a10b748ef
Geohazards	Groundwater resources (aquifers)	Water	National	Data limited to 1:100,000 scale; sites should be investigated at local scale	https://licenr.maps.arcgis.com/apps/webappviewer/index.html?id=768a202301594687ab14629a10b748ef
				Groundwater recharge	https://licenr.maps.arcgis.com/apps/webappviewer/index.html?id=768a202301594687ab14629a10b748ef
Geohazards	Groundwater vulnerability	Water	National	Data limited to 1:100,000 scale; sites should be investigated at local scale	https://licenr.maps.arcgis.com/apps/webappviewer/index.html?id=768a202301594687ab14629a10b748ef
				Groundwater vulnerability	https://licenr.maps.arcgis.com/apps/webappviewer/index.html?id=768a202301594687ab14629a10b748ef
Geohazards	Group scheme and public supply source protection areas.	Water	National	Not all PWS / GWS are S2 / ZOC. Check with IW / GWS for PWS / GWS for S2 / ZOC. Check with IW / GWS for PWS / GWS for S2 / ZOC.	https://licenr.maps.arcgis.com/apps/webappviewer/index.html?id=768a202301594687ab14629a10b748ef
				Groundwater Protection Schemes	https://licenr.maps.arcgis.com/apps/webappviewer/index.html?id=768a202301594687ab14629a10b748ef
Geohazards	Catchment and WFD management units.	Water	National	Data is limited to scale of 1:100,000. Data does not include all of the source protection areas	https://licenr.maps.arcgis.com/apps/webappviewer/index.html?id=768a202301594687ab14629a10b748ef
				For areas underlain by limestone, provides karst features, tracer test database, Lough water levels (swells)	https://licenr.maps.arcgis.com/apps/webappviewer/index.html?id=768a202301594687ab14629a10b748ef
Geohazards	Karst specific data layers	Water	National	Not comprehensive; there may be unrecorded wells and springs	https://licenr.maps.arcgis.com/apps/webappviewer/index.html?id=768a202301594687ab14629a10b748ef
				Wells and Springs	https://licenr.maps.arcgis.com/apps/webappviewer/index.html?id=768a202301594687ab14629a10b748ef
Geohazards	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-and-geochemical-unit/fact-views/understanding-ireland/Groundwater/Pages/Groundwater_bodies.aspx
				Groundwater body Descriptions	https://www.gsi.ie/en-ie/programmes-and-projects/groundwater-and-geochemical-unit/fact-views/understanding-ireland/Groundwater/Pages/Groundwater_bodies.aspx
Geohazards	INFO/MAR - Ireland's national marine mapping programme; providing key baseline data for Ireland's CHERISH - Coastal change project (Climate, Heritage and Environments of Reefs, Islands, and Headlands)	Land & Soils/Water	National	Also, Roadmap for a Policy and Regulatory Framework for Geothermal Energy, November 2020	https://secure.data.gov.ie/GSI/INFORMAR_VIEWER/
				Land & Soils/Water	https://www.gsi.ie/en-ie/programmes-and-projects/groundwater-and-geochemical-unit/fact-views/understanding-ireland/Groundwater/Pages/Groundwater_bodies.aspx
Geohazards	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/groundwater-and-geochemical-unit/fact-views/understanding-ireland/Groundwater/Pages/Groundwater_bodies.aspx
				Coastal Vulnerability Index (CVI).	https://www.gsi.ie/en-ie/programmes-and-projects/groundwater-and-geochemical-unit/fact-views/understanding-ireland/Groundwater/Pages/Groundwater_bodies.aspx
Minerals	Aggregate potential Active quarries	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://licenr.maps.arcgis.com/apps/webappviewer/index.html?id=ee84c285494133a0f134411e4c9556
				Land & Soils	https://licenr.maps.arcgis.com/apps/webappviewer/index.html?id=ee84c285494133a0f134411e4c9556
Minerals	Historic mines Geotechnical data: multi-element data for shallow soil, stream sediment and stream water Geotechnical data: multi-element data for shallow soil, stream sediment and stream water Urban geotechnical data: multi-element data for shallow soil, stream sediment and stream water Urban geotechnical data: multi-element data for shallow soil, stream sediment and stream water	Land & Soils/Cultural Heritage	National	Inventory and Risk Classification 2009. Environmental Protection Agency, Economic Minerals Division and Geological Survey Ireland (DECC).	https://www.gsi.ie/en-ie/programmes-and-projects/groundwater-and-geochemical-unit/fact-views/understanding-ireland/Groundwater/Pages/Groundwater_bodies.aspx
				Land & Soils/Cultural Heritage	https://www.gsi.ie/en-ie/programmes-and-projects/groundwater-and-geochemical-unit/fact-views/understanding-ireland/Groundwater/Pages/Groundwater_bodies.aspx

Notes:

1. 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>
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.

Noeleen Keavey

Subject: FW: Reply from DECC re : EIS 21/166 EPA Licence Application to discharge industrial emissions at Clondrisse Pig Farm Ltd., Co. Westmeath.

Attachments: GSI datasets relevant to EIA & SEA_20210421.pdf; 21_166 EPA Licence Application to discharge industrial emissions at Clondrisse Pig Farm Ltd.pdf

From: CorporateSupport.Unit <CorporateSupport.Unit@decc.gov.ie>
Sent: 01 June 2021 15:15
To: Licensing Staff <licensing@epa.ie>
Cc: CorporateSupport.Unit <CorporateSupport.Unit@decc.gov.ie>
Subject: Reply from DECC re : EIS 21/166 EPA Licence Application to discharge industrial emissions at Clondrisse Pig Farm Ltd., Co. Westmeath.

Re : P0975-02

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,
087 623 7714

From: GSI Planning
Sent: 01 June 2021 11:12
To: CorporateSupport.Unit
Cc: Clare Glanville; GSI Planning
Subject: RE: EIS 21/166 EPA Licence Application to discharge industrial emissions at Clondrisse Pig Farm Ltd., Co. Westmeath.

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

From: GSI Planning
Sent: 18 May 2021 08:51
Cc: GSI Planning
Subject: EIS 21/166 EPA Licence Application to discharge industrial emissions at Clondrisse Pig Farm Ltd., Co. Westmeath.

EIS 21/166

EPA Licence Application to discharge industrial emissions at Clondrisse Pig Farm Limited, in Co. Westmeath. Request for observations by EPA to be forwarded via the CSU mailbox. Letter attached.

Regards,
Trish

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

Sent: 17 May 2021 14:55

To: An Taisce; 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; Inland Fisheries Ireland - Spec Body; Irish Water - Spec. Body; Northern Ireland EA - Spec. Body; Teagasc; The Heritage Council; Westmeath County Council - Pln Sec (Spec Body); Westmeath County Council-Environ Section Spec Body

Subject: Notification from EPA in relation to P0975-02 Clondrisse Pig Farm Limited (Joristown Upper) EPA043511

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 review the attached notification. Any response should be submitted to licensing@epa.ie.

EPA Correspondence Ref# LACT00007924 EIS/EIAR - Further Specified Body Notification.

Please note that there is no requirement to acknowledge receipt of this e-mail.

Yours faithfully,

Environmental Protection 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.