

Submission					
Submitter:	Trish Smullen				
Submission Title:	GSI Submission				
Submission Reference	S010090				
No.:					
Submission Received:	27 August 2021				
Application					

Application					
Applicant:	Starrus Eco Holdings Limited				
Reg. No.:	W0249-02				

Attachments are displayed on the following page(s).





# 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.1. No. 296 of 2018)

Geological Survey Ireland			_		
Programme	Dataset	Relevant EIA Topic	Coverage	Description / Notes	Link to Geological Survey Ireland map viewer
				Associated guidance documentation relating to the National Landslide	
Geohazards	Landslide: National landslide database and landslide susceptibility map	Land & Soil/Climate/Landscape	National	Susceptibility Map is also available.	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=b68cf1e4a9044a5981f950e9b9c5625c
				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	
Geohazards	Groundwater Flooding (Historic)	Water	Regional	future]	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=848f83c85799436b808652f9c735b1cc
				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	
	Groundwater Flooding (Predictive)	Water	Regional	maps]	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=848f83c85799436b808652f9c735b1cc
Geohazards	Radon Map	Land & Soils/Air	National		http://www.epa.ie/radiation/radonmap/
				All geological heritage sites identified by Geological Survey Ireland are	
Geoheritage	County Geological Sites as adopted by National Heritage Plan and listed in County Development Plan	Land & Soils/Landscape	Regional	categorised as CGS pending any further NHA designation by NPWS.	https://dcenr.maps.arcgis.com/apps/MapSeries/index.html?appid=a30af518e87a4c0ab2fbde2aaac3c228
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&scale=0
				లి.	
Geological Mapping	Bedrock geology:	Land & Soils	Regional	1:50,000 scale	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=de7012a99d2748ea9106e7ee1b6ab8d5&scale=0
				1:50,000 scale	
Geological Mapping	Quaternary geology: Sediments	Land & Soils	National		https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=de7012a99d2748ea9106e7ee1b6ab8d5&scale=0
Geological Mapping	Quaternary geology: Geomorphology	Land & Soils	National	1:50,000 scale	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=de7012a99d2748ea9106e7ee1b6ab8d5&scale=0
				Broad-scale physical landscape units mapped at 1:100,000 scale in order	
				Broad-scale physical landscape units mapped at 1:100,000 scale in order	
Geological Mapping	Physiographic units:	Land & Soils	National	to be represented as coartographic digital map at 1:250,000 scale	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=afa76a420fc54877843aca1bc075c62b
				56 47	
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&scale=0
				Digitised geolechnical and Site Investigation Reports and boreholes which	
Geological Mapping	Geotechnical database	Land & Soils	National	on 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 records	land & Soils/Water	National	available online	https://secure.dccae.gov.ie/goldmine/index.html
				No.	
Groundwater & Geothermal	Groundwater resources (aquifers)	Water	National	that a limited to 1:100,000 scale; sites should be investigated at local scale	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef
			National National	Data limited to 1:40,000 scale; sites should be investigated at local scale;	L
Groundwater & Geothermal	Groundwater recharge.	Water	National National	long term annual average recharge	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef
			National Tiles		L
Groundwater & Geothermal	Groundwater vulnerability.	Water	National	Data limited to 1:40,000 scale; sites should be investigated at local scale	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef
			OX.	Not all PWS / GWS have SPZ / ZOC. Check with IW / coco / NFGWS for	L
Groundwater & Geothermal	Group scheme and public supply source protection areas.	Water	reactional	private supplies.  Data is limited to scale of 1:40.000. Data does not include all of the source	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef
			, O		
	Groundwater Protection Schemes Catchment and WFD management units.	Water .0	National National	protections areas	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef
Groundwater & Geothermai	Catchment and WFD management units.	water	National	For areas underlain by limestone, includes karst features, tracer test	https://dcenr.maps.arcgis.com/apps/webappviewer/index.ntml/id=/e8a2U23U1594687ab14629a1Ub748et
Cdt 8 Cthl	land and the date lands	water COILS	Marianal		http://dem.go.go.go.go.go.go.go.go.go.go.go.go.go.
	karst specific data layers	water Water		database; turlough water levels (gwlevel.ie).  Not comprehensive, there may be unrecorded wells and springs	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef
Groundwater & Geothermal	Wells and Springs	water	National	Not comprehensive, there may be unrecorded wells and springs	mttps://ucem.maps.arcgis.com/apps/webappviewer/index.ntmirid=/e8a202301554687a014629a1007486f
				Not exhaustive only those in designated SACs, sould be -+b CMDTF	https://www.gsi.jo/on.jo/programmer.and.projects/groundwater.and.goothermal.unit/a-ti-iti
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-and-geothermal-unit/activities/understanding- ireland-groundwater/Pages/Groundwater-bodies.aspx
Groundwater & Geothermai	Groundwater body Descriptions	water	National		ireiand-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			National	Energy, November 2020	https://secure.dccae.gov.ie/GSI/INFOMAR_VIEWER/
Marine & Coastal Unit	INFOMAR - 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 Headla		Regional		http://www.cherishproject.eu/en/
IVIGITIE & CUASTAI UIIIL	Chemon - Coastar Change project (Climate, nemage and Environments of Reels, Islands, and Headla	water	negional	Currently the project is being carried out on the east coast and will be	https://www.cnensnproject.eu/en/ https://www.gsi.ie/en-ie/programmes-and-projects/marine-and-coastal-unit/projects/Pages/Coastal-Vulnerability-
Marine & Coastal Unit	Coastal Vulnerability Index (CVI).	water /Land & Soils	Pegional	rolled out nationally	Inters://www.gsi.ie/en-ie/programmes-and-projects/marine-and-coastal-unit/projects/Pages/coastal-vuinerability-
iviarine & Coastai Unit	Coastal vulnerability muex (CVI).	water / Lanu & Solis	Regional		<u>inuex.aspx</u>
				Consideration of mineral resources and potential resources as a material	
Minerals	Aggregate natential	Land & Soils/Material Assets	National	asset which should be explicitly recognised within the environmental	https://deeps.maps.asseis.com/apps/wahapps/apps/lindov.htm/3/40-4-305-4044304334445-2 coss
	Aggregate potential			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
				Inventory and Bick Classification 2000 Facility and Bushami'	https://gis.epa.ie/EPAMaps/default?easting=?&northing=?&lid=EPA:LEMA Facilities Extractive Facilities
Minanda	Water to and and	I and O Calle (Cultural III and	Ninkingel	Inventory and Risk Classification 2009. Environmental Protection Agency,	
	Historic mines	Land & Soils/Cultural Heritage	National	Economic Minerals Division and Geological Survey Ireland (DECC).	https://www.epa.ie/enforcement/mines/
	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
	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:

- 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.

Version No. 1
Geological Survey Ireland
April 2021





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

27 August 2021

Re: Industrial Emissions Licence Application at Starrus Eco Holdings Ltd, Ballybeg, Littleton, Co Tipperary Your Ref: W0249-02

Our Ref: 21/301

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. Use of our data or maps should be attributed correctly to 'Geological Survey Ireland'.

With reference to your email received on the 12 August 2021, concerning the Industrial Emissions Licence Application at Starrus Eco Holdings Ltd, Ballybeg, Littleton, Co Tipperary, 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, IE licencing and planning grocess. 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.

We are pleased to see use of our Bedrock, Groundwater Wells and Springs, Aquifer and Vulnerability maps and Owner redui 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 goological 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. Tipperary was carried out in 2019. The full report details can be found here. Our records show that there are no CGSs in the vicinity of the waste facility.

#### 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.





Background information is also provided in the Groundwater Body Descriptions. Please read all disclaimers carefully when using Geological Survey Ireland data.

The Groundwater Vulnerability map indicates the area is classed as 'Moderate' and the area is underlain by a 'Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones'.

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.

### 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 <a href="https://www.gsi.ie/en-ie/data-and-maps/Pages/Geochemistry.aspx">https://www.gsi.ie/en-ie/data-and-maps/Pages/Geochemistry.aspx</a>. This page also hosts urban geochemistry mapping (Dublin SURGE project), Geochemical Mapping of Agricultural and Grazing Land Soil of Europe (GEMAS) and lithogeochemistry (rock geochemistry) from southeast Ireland datasets. Geological Survey Ireland and partners are undertaking applied geochemistry projects to provide data for agriculture (Terra Soil), waste soil characterisation (Geochemically Appropriate Levels for SoilRecovery Facilities">https://www.gsi.ie/en-ie/data-and-maps/Pages/Geochemistry</a>. Geochemically Appropriate Levels for SoilRecovery Facilities) and mineral exploration (Mineral Prospectivity Mapping).

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 <u>GSP lanning@gsi.ie</u>.

Yours sincerely,

Clare Glanville

**Senior Geologist** 

**Geological Survey Ireland** 

Clarejille

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

CorporateSupport.Unit From: **Licensing Staff** To: Cc: CorporateSupport.Unit

Reply from DECC re EIS 21/301 IE Licence Application at Ballybeg Littleton Tipperary Subject:

Date: Friday 27 August 2021 12:54:56

Attachments: 21 301 IE Licence Application at Ballybeg Littleton Tipperary.pdf

GSI datasets relevant to EIA & SEA 20210421.pdf

#### EPA reference: W0249-02

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 acknowledgment 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: 27 August 2021 11:47 To: CorporateSupport.Unit Cc: Clare Glanville; GSI Planning

Pedion fundoses only any other use. Subject: RE: EIS 21/301 IE Licence Application at Ballybeg Littleton Tipperary

Hi Enda,

This is the last of the responses for feturn to the EPA.

Thanks and regards,

Trish

From: GSI Planning

**Sent:** 12 August 2021 15:55

Cc: GSI Planning

**Subject:** EIS 21/301 IE Licence Application at Ballybeg Littleton Tipperary

EIS 21/301

Industrial Emissions Licence Application for Waste Facility at Ballybeg, Littleton, Co Tipperary.

Request for observations by the EPA for return via the CSU Mailbox.

Further information in email below.

Regards

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

Sent: 12 August 2021 12:12

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; Shannon Commercial Properties; Teagasc; The Heritage Council; Tipperary County Council - Pln Sec (Spec Body); Tipperary County Council-Environ Section Spec Body

Subject: EPA Notification – Licence Application/Review Received EPA043572

**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 11 August 2021.

- Licence Type: Industrial Emissions (IE)

Starrus Eco Holdings Limited, Panda Waste - Name and address of applicant:

Management Solutions, Ballymount Road Upper,

Dublin 23 Dublin

For inspection W0249-02
Yes - Location of installation: Ballybeg, Littleton, Tipperary, E41 WP83

- Reference No:

- EIS/EIAR submitted:

- Planning Authority to **Tipperary County Council** 

whom EIS/EIAR has been submitted:

Classes ar	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				
11.1	No	Waste	The recovery or disposal of waste in a facility, within the meaning of the Act of 1996, which facility is connected or associated with another activity specified in this Schedule in respect of which a licence or revised licence under Part IV is in force or in respect of which a licence under the said Part is or will be required.				
11.4 (b)(i)	Yes	Waste	Recovery, or a mix of recovery and disposal, of non-hazardous waste with a capacity exceeding 75 tonnes per day involving one or more of the following activities, (other than activities to which the Urban Waste Water Treatment Regulations 2001 (S.I. No. 254 of 2001) apply): biological treatment; when the only waste treatment activity carried out is anaerobic digestion, the capacity threshold for this activity shall be 100 tonnes per day.				

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

- 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.
- any further information, including reports and advice, relating to the environmental impact iii 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.

Consent of copyright outlet required 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:

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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 haghaidh 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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