Certificate of Authorisation Application Form

Waste Management (Certification of Historic Unlicenced Waste Disposal and Recovery Activity) Regulations, 2008

EPA Ref. Nº: *(Office use only)*	

Environmental Protection Agency
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CONTENTS

APPLICATION GUIDANCE NOTES

This application must be completed in accordance with the guidance notes below and the instructions accompanying each section of the application form.

This form is for the purpose of making an application for a Certificate of Authorisation in accordance with Regulation 7 (1) of the Waste Management (Certification of Historic Unlicenced Waste Disposal and Recovery Activity) Regulations, 2008 (hereinafter referred to as 'the Regulations'). A valid application must, as a minimum, contain the information prescribed in Regulation 7(2) of the Regulations.

The applicant must conform to the format set out in this application form and accompanying instructions. Each page of the completed application form must be numbered, e.g. *page 5 of 20,* etc. The basic information should be supplied in the spaces given in the application form, with supporting documentation supplied as attachments, as specified. All sections of the form must be completed. Where a section is not relevant to the application, the words "not applicable" should be clearly written. The abbreviation "N/A" should <u>not</u> be used.

The Risk Assessment (required under Regulation 6(1) of the Regulations) shall be submitted in full as Attachment D.1 to this application form. Risk Assessments are to be carried out in accordance with the '*Code of Practice - Environmental Risk Assessment for Unregulated Waste Disposal Sites'* (hereinafter referred to as the Code of Practice).

All maps/drawings/plans must be no larger than A3 size and scaled appropriately such that they are clearly legible. In exceptional circumstances, where A3 is considered inadequate, a larger size may be requested by the Agency.

All drawings should

- be titled and dated;
- have a unique reference number and be signed by a clearly identifiable person; and
- indicate a scale and the direction of north.

Information supplied on this application, including supporting documentation, will be put on public display and open to inspection by any person. Should the applicant consider information to be confidential, this information should be submitted in a separate enclosure bearing the legend "In the event that this information is deemed not to be held as confidential, it must be returned to…..". In the event that information is considered to be of a confidential nature, then the nature of this information, and the reasons why it is considered confidential (with reference to the "Access to Information on the Environment" Regulations) should be stated in the Application Form, where relevant.

An original signed application shall be submitted together with 1 copy. A copy of the application (and risk assessment) shall also be provided on 2 CD-ROMs in searchable PDF format.

It should be noted that it will not be possible to process or determine the application until the required documents have been provided in sufficient detail and to a satisfactory standard.

This document does not purport to be and should not be considered a legal interpretation of the provisions and requirements of the Waste Management (Certification of Historic Unlicenced Waste Disposal and Recovery Activity) Regulations 2008 (S.I. No. 524 of 2008).

SECTION A: NON-TECHNICAL SUMMARY

A non-technical summary of the application is to be included here. The summary should identify all environmental impacts of significance associated with the site.

The following information must be included in the non-technical summary:

A description of:

- The site location.
- A brief history of the site, types and volumes of waste deposited, duration of disposal activities and date of cessation.
- The hydrogeology and ecology of the site and surrounding area, to include protected areas.
- Risk category of the site
- Actual and potential environmental impacts.
- Proposed remediation including timescale.

Supporting information should form **Attachment A.1.**

NON-TECHNICAL SUMMARY

1.0 Site Location

The former Finisklin landfill is a closed landfill located on the outskirts of Sligo Town. The former landfill covers an area of approximately 13 hectares (ha) on the southern shores of the Garavogue River estuary approximately 1.5km north west of Sligo City Centre.

The former landfill is bordered to the north by Sligo Harbour and a new Wastewater Treatment Works (WWTW), to the east by commercial/industrial facilities located on Deepwater Berths Road, to the south by commercial/industrial facilities and to the west by Finisklin Road and a cul-de-sac in an area known as Far Finisklin.

Drawing A1, contained in Attachment A.1. illustrates the site in a regional context. Drawing A2, contained in Attachment A.2. illustrates the extent of the former landfill and surrounding land uses within 1km of the former landfill.

2.0 History of the site

From a review of historical mapping, reports and aerial photographs, all of the land between Finisklin Road and Deepwater Berth Road has been reclaimed under a series of reclamation and filling projects completed since 1890.

The former Finisklin landfill was operated by Sligo Harbour Commissioners, and subsequently Sligo County Council, from 1958 to 1994. The former landfill forms part of the area filled as part of reclamation works. There was no associated landfill infrastructure installed at the site. The land reclamation process was completed by depositing waste material directly on top of the existing mudflats and progressively filling into the estuary parallel to the shore. The boundary of the former landfill is illustrated on Drawings A1-A3, Attachment A.1.

The boundary of Finisklin Landfill for the purpose of the Code of Practice is identified in the Drawings contained in Appendix A.1. and Appendix B.1 and is estimated to be 13 Hectares (Ha). It appears based on available information that

waste materials have been deposited external to the boundary, however, this land does not fall under the remit of the Code of Practice and associated legislation as firstly it was reportedly filled prior to the 15th July 1977 and secondly these lands were not under the control of Sligo County Council at the time of filling but rather Sligo Harbour Commissioners who were abolished in 2006. Please note, the identified boundary is a conservative estimate of the extent of the former landfill that falls under the scope of the Code of Practice and relevant legislation. A copy of this legal opinion is included in Appendix B.1.

2.1 Summary of Phasing of Waste Deposition / Reclamation Works

The waste deposition or reclamation process within the site boundary can be divided into three phases as follows:

- Waste deposited between 15th July 1977 and 1985 - southern portion of the site.
- Waste deposited between 1985 and 1994 (earlier filling activities) – middle portion of the site.
- Waste deposited between 1985 and 1994 (later filling activities) – northern portion of the site.

A large rock bund was constructed to function as the outermost boundary of the former landfill (into the harbour) and all filling activities were undertaken on the landside of this bund.

2.2 Type and Volume of Waste Disposed

Based on the site investigation works completed at the former landfill, it has been calculated that approximately 625,000 tonnes of municipal waste was accepted into the former landfill at Finisklin during its operational lifespan and that 250,000 tonnes of capping material was accepted. The type of waste currently found within the former landfill is variable and includes domestic, commercial and construction and demolition (C&D) waste.

3.0 Hydrogeology and Ecology of the Site

3.1 Hydrogeology of the site

The bedrock aquifer beneath the former landfill is classified by the GSI as a Locally Important Aquifer whereby the aquifer is moderately productive only in local areas. Less than 1km from the former landfill, the aquifer is classified as a Regionally Important Aquifer which is karstified and dominated by conduit flow associated with the Dartry Limestone Formation of massive cherty calcarenite wackestone.

The GSI has assigned a groundwater vulnerability rating of High beneath the former landfill. Areas of extreme vulnerability have been identified approximately 1km south of the former landfill. Based on a review of available information, including the topographical gradient, the inferred groundwater flow direction is to the north east towards Sligo Harbour and the Garavogue Estuary.

A GSI well search identified no wells within the 1km zone. Sligo County Council also indicated that there were no drinking water sources in the area and that all houses are supplied by mains water. The GSI Source Protection Area data indicates that there are no designated Source Protection Zones in the immediate vicinity of the former landfill.

3.2 Hydrology of the Site

Sligo harbour is located immediately at the northern boundary of the former landfill. From an examination of the rock armour during a period of low tide, a number of direct surface water outfalls from the former landfill to Sligo Harbour

were observed along the northern boundary (see Drawing A2, Attachment A.1.). Surface water (ponds and standing water), possibly as a result of the recent capping activities undertaken at the former landfill, was observed at a number of locations (see Drawing A2, Attachment A.1.).

3.3 Ecology of the Site

Protected Sites
Sligo Harbour has been designated under the Habitats Directive as a Special Area of Conservation (SAC) and is included in the Cummeen Strand/Drumcliff Bay (Sligo Bay) SAC, site code 000627. The relevant habitats in this instance are 'Estuaries' and 'Mudflats and sandflats not covered by seawater at low tide'. In addition, Sligo Harbour has also been designated as a proposed Natural Heritage Area (pNHA). The designated areas for both the SAC and the pNHA are identical and the boundary can be seen highlighted on Drawing A4 contained in Attachment A.1.

A portion of the former landfill and the adjacent harbour have also been designated a Special Protection Area (SPA) under S.I. No. 31 of 1995 (Cummeen Strand SPA, site code 004035) (see Drawing A5 contained in Attachment A.1). The site is selected for the Special Conservation Interests listed below, all of which are relevant to the present assessment:

- Light-bellied Brent Goose (Branta bernicla hrota) [A046].
- Oystercatcher (Haematopus ostralegus) [A130].
- Redshank (Tringa totanus) [A162].
- Wetlands & Waterbirds [A999].

Ecology of the Former Landfill
The portion of the former landfill above the estuary is well vegetated with a mix of rank, weedy vegetation, wet grassland and scrub (mostly willow). The edge of the former landfill is stepped towards the rock armour. The rock armour is continuous along the margin of the former landfill. The lower strip of rock armour is inundated by the tide and is almost totally covered with brown fucoid algae. Green algae occur on the boulders at the top of the tide line.

Intertidal sediments occur immediately below the fucoid zone. There is obvious accumulation in the eastern corner, as the sediments here are noticeably higher (and last to fill at high tide). The sediments are fairly uniform throughout the zone and are described as medium to fine sands. They are aerobic at the surface, with the anaerobic layer mostly one to several centimetres below the surface.

4.0 Risk Category of the Site

In accordance with the EPA's published Code of Practice (CoP): Environmental Risk Assessment for Unregulated Waste Disposal Sites (2007), the risk category assigned to the former Finisklin landfill is Class A – High Risk. This represents the intrinsic risk that the former landfill poses to the environment. The linkages of greatest concern include the risk of leachate migration to surface water and protected areas, and landfill gas migration to off-site receptors.

5.0 Actual and Potential Environmental Impacts

The potential and actual environmental impacts of the former Finisklin landfill are presented below. The impacts described are based on the findings of the detailed site investigations and risk assessments completed in respect of the former landfill which are described in detail in the Environmental Assessment Report contained in Attachment D.1. of this application.

5.1 Soils/ Waste

It is estimated from the trial pit and borehole logs that approximately 625,000 tonnes of municipal waste was accepted into the former landfill during its operational lifespan and that 250,000 tonnes of capping material was accepted.

Soil and waste samples (5No.) were analysed for the waste acceptance criteria (WAC) analytical suite for inert, non-hazardous and hazardous licensed waste facilities. The findings of the assessment concluded that for the majority of the parameters analysed, the soils/waste deposited within the former landfill complied with the inert WAC. All other parameters complied with the non-hazardous WAC.

5.2 Potential/ Actual Impacts of Leachate

Surface and Groundwater Quality

It has been established that leachate is present in the landfill given that it was encountered during the intrusive investigative works. Given that there is no landfill liner and no confining layer present there is a pathway between the leachate present in the former landfill and the groundwater beneath. There is also a potential direct pathway for leachate migration into the Garavogue Estuary via surface water seeps from the former landfill.

In addition to the potential surface and groundwater contaminants associated with the former landfill, both the groundwater body beneath the former landfill and the surface water seeps clearly show evidence of tidal intrusion largely influenced by its proximity to the tidal waters of the Garavogue Estuary. Other sources of contaminants were also identified and include the waste located beyond the former landfill boundary, the former practice of discharging untreated sewage, and diffuse agricultural and point source emissions from surrounding industrial and residential properties.

It has been calculated that, based on the available assimilative capacity within the receiving water bodies, leachate at the former landfill is unlikely to be significantly impacting on these receiving water bodies. This is further supported by published reports that indicate there is no significant impact on the receiving water bodies from the leachate within the former landfill (or from other contributory sources).

Designated Ecological Sites

As outlined in Section 3.3 above, Sligo Harbour has been designated under the Habitats Directive as a SAC, a pNHA and a portion of the former landfill and the adjacent harbour have also been designated a SPA.

A Stage I Screening for Appropriate Assessment in accordance with the requirements of Article 6(3) of the Habitats Directive (92/43/EEC) was conducted by a competent ecologist in order to determine the potential impacts, if any, of the former landfill and the proposed remediation measures for gas venting on the conservation status of nearby sites with European Conservation designations (i.e. Natura 2000 sites). The screening report (contained in Appendix E.1 of this

application) concluded that the presence of the former landfill, alone or in-combination with other projects, does not appear to be adversely affecting the conservation objectives or the various qualifying interests of the Sligo Harbour SAC and pNHA, the Cummeen Strand SPA, or indeed any other Natura 2000 site in the wider area of Sligo Bay.

5.3 Potential/ Actual Impacts of Landfill gas

Elevated concentrations of landfill gas have been identified both onsite and offsite during the comprehensive monitoring and assessment programme that has been undertaken in respect of the former landfill. Therefore, it was considered that the potential for the migration of landfill gas offsite needed to be addressed further in a detailed Tier 2 quantitative gas risk assessment.

Based on the findings of the detailed Tier 2 gas risk assessment, it is concluded that the risk posed by the presence of methane and carbon dioxide from the former landfill is variable. The southern, older parts of the former landfill are a lower risk grading to the northern, more recently filled areas where a moderate to high risk exists.

There is no clear evidence that gas migration off-site is occurring along the western boundary, and given the geology (clayey soils) it is considered unlikely that widespread migration could occur for any great distance. There are also a limited number of isolated receptors along this boundary. The risk of migration beyond this boundary is considered low.

Gas migration across the eastern boundary towards the buildings on Deepwater Berths Road is unlikely in the southern part of the former landfill. However the risk increases to high towards the north as there is evidence of gas migration adjacent to the northern part of the eastern boundary (Erin Recyclers). The findings of the internal surveys indicate that there is no immediate risk to these buildings, although a potential risk does remain that the gas could accumulate within these buildings. The specific risk from the former landfill itself is complicated by the fact that waste materials i.e. gas generating materials, are located beyond the site boundary. Regardless, it is considered that there is a potential risk from the former landfill even if there are other offsite contributory sources.

The majority of gas being generated at the former landfill at present is most likely escaping through the surface, due to the relatively shallow depth of the landfill and the composition of the landfill cap. This will not pose a significant risk to people on or around the site as the volume of gas escaping is low and will be diluted in the atmosphere. The composition of the landfill cap currently on site is facilitating the natural venting of gas to the atmosphere and the site has been assessed assuming the existing cap remains in place (although limited regrading of the cap is permitted 10% change (plus or minus) of existing/current thickness at any one location). However, it is not recommended that any further capping works are completed on site that would impair the venting process.

The findings of six additional landfill gas monitoring events that were completed between November 2011 and April 2012 were consistent with the findings of the previous gas monitoring events. Therefore the findings of this additional monitoring would not warrant any changes to the recommendations made in the Environmental Assessment Report with regard to landfill gas.

In summary, the findings of the detailed Tier 2 gas risk assessment established that there is the potential for gas to migrate beyond the boundary in its current

condition. Therefore, remedial measures to mitigate against those risks are required, as outlined in Section 6.0 below and in an Addendum Report included in Attachment D.1.

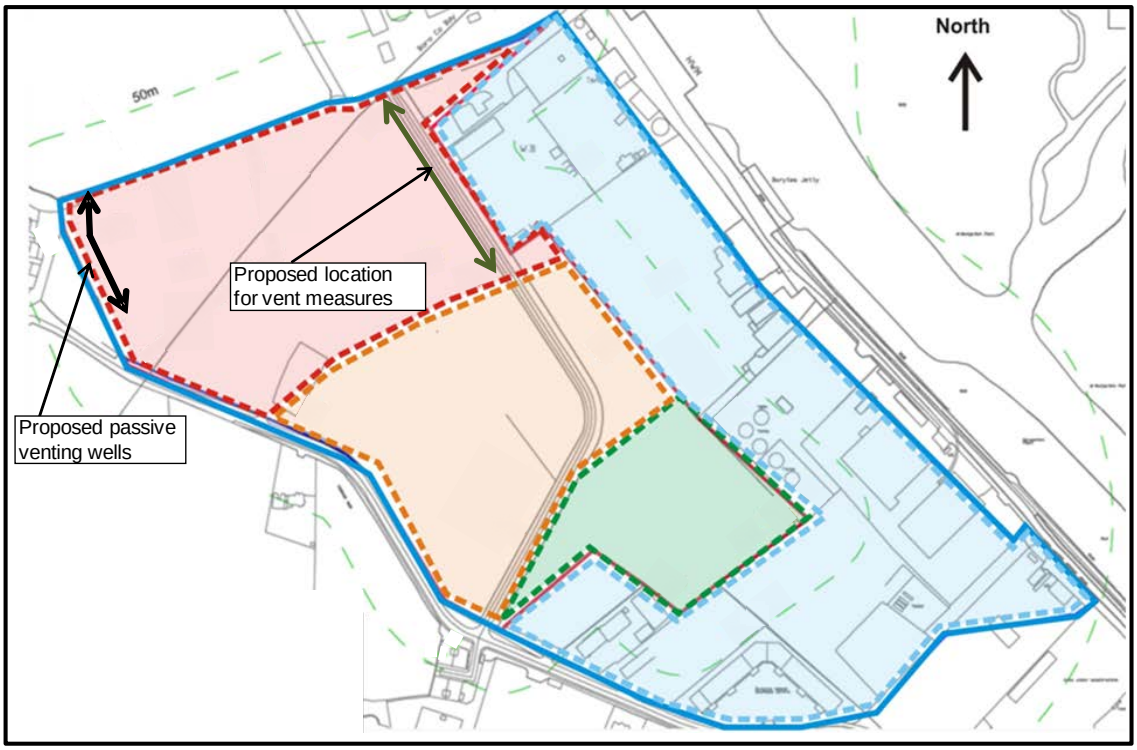
6.0 Proposed Remediation Measures and Timescale

Considering that a potential exists that gas may be migrating offsite, a number of remediation measures are required. Given the low volumes of gas being generated it is not considered that an active landfill gas system is required, and that passive venting is considered to be the most appropriate remediation technique.

The following remediation measures are recommended:

- All the owners of buildings along Deepwater Berths Road should be advised of the presence of gas in the ground. At the northern end all service ducts leading into all buildings should be sealed with expanding foam inside the duct to prevent gas ingress (Cold Chon, Erin Recyclers and Calor). (This has been completed).
- All Service companies should be made aware of the presence of landfill gas in the area so that suitable precautions can be taken if any works on services are required. (This has been completed).
- Along the eastern boundary of the former landfill (north end) a passive vent trench in the form of a "Virtual Curtain" is proposed for installation to clearly prevent any potential migration of landfill gas to offsite locations and to vent this gas in a controlled manner to the atmosphere. The approximate location proposed for this Virtual Curtain is presented in Figure 1 below. The specific details on the design and a proposed programme for these works are presented in an Addendum Report included in Attachment D.1.
- At the northern part of the western boundary, where there are adjacent receptors, it is proposed that a vent well system will be installed at the approximate location shown in Figure 1. Vent wells will be sufficient along this boundary where the risk is lower due to the topography and geology**.** A proposed programme for these works is presented in an Addendum Report included in Attachment D.1.
- A landfill gas monitoring programme as per the recent monitoring events will continue on a quarterly basis until such time as the remedial measures are installed on the site.
- Following the implementation of the proposed remedial measures, it is recommended that the internal gas monitoring and monitoring of the nearby wells (both inside and outside the former landfill) will be undertaken on a monthly basis for a 3 month period. The results of this post remediation monitoring will then be evaluated before determining the need for any further monitoring.
- If any development of the former landfill is considered in the future, a more detailed landfill gas risk assessment will be required, in order to address any potential landfill gas risks to future onsite occupiers and also to evaluate the impact that any onsite development would have on offsite receptors. A further assessment of soil quality would also be warranted.
- Some re-grading works of the current cap will be undertaken in conjunction with the installation of the gas venting measures in order to remove some of the ponded sections on the site.

Figure 1 – Proposed Vent Measures – Revised Locations



SECTION B: GENERAL

B.1. Applicant's Details

Only application documentation submitted by the applicant and by the nominated person will be deemed to have come from the applicant.

Name*:	**Sligo County Council**
Address:	County Hall
	Riverside
	Sligo
	Co. Sligo.
Tel:	+353 71 9111111
Fax:	+353 71 9141119
e-mail:	info@sligococo.ie

*Full name and address of the local authority making the application.

Name and Address for Correspondence

Name*:	**Fineen O'Driscoll, A/Senior Engineer**
Address:	Environment Section
	Sligo County Council
	Unit 9, Cleveragh Business Park, Riverside
	Sligo, Co. Sligo
Tel:	+353 71 9111910
Fax:	+353 71 9141119
e-mail:	fodriscoll@sligococo.ie

*This should be the name of the person nominated by the local authority for the purposes of this application.

Co-Applicant's Details

Name*:	
Address:	
Tel:	
Fax:	
e-mail:	

*This should be the name of a local authority, other than the lead authority, where a site lies in more than one local authority functional area.

Name of Qualified Person

Site investigations must be supervised by a suitably qualified, trained and experienced person. Section 2.3 of the Code of Practice sets out the requirements in this regard, which should be observed by local authorities. The Code of Practice states that, notwithstanding the fact that a local authority will be in position to carry out much of the risk assessment using in-house resources, "a suitably qualified, trained and experienced person, who is a registered professional with

chartered status (or equivalent) awarded by a relevant professional body, and who has successfully conducted risk assessments at other sites, should supervise the Site Investigations … and be used to carry out the risk assessment." Please provide the name of the qualified person, in-house or external, used for this risk assessment.

Name:	Claire Clifford
Qualification:	B.Sc (Geology) M.Sc (Environmental Science)
Professional Body:	Professional Member - Institute of Geologists of Ireland European Geologist - European Federation of Geologists Member - International Association of Hydrogeologists Ireland
Address:	Malone O'Regan
	Unit 2B Richview Office Park,
	Clonskeagh,
	Dublin 14.
Tel:	+353 1 260 2655
Fax:	+353 1 260 2660
e-mail:	enviro@morce.ie

Interest in Site

State whether the applicant(s) is the registered owner of the land (please check):

Landowner	☒
Landowner (part)	☐
Not Landowner	☐

Provide the name and address of the current owner(s) and lessees of the land. An appropriately scaled drawing (≤A3) outlining the land ownership should be included in **Attachment B.1.**

Name:	Sligo County Council
Address:	County Hall
	Riverside
	Sligo
	Co. Sligo.
Tel:	+353 71 9111111
Fax:	+353 71 9141119
e-mail:	info@sligococo.ie

Name:	
Address:	
Tel:	
Fax:	
e-mail:	

Name:	
Address:	
Tel:	
Fax:	
e-mail:	

Name:	
Address:	
Tel:	
Fax:	
e-mail:	

B.2. Fees

Appropriate Fee (€5,000) Included	**Yes**	**No**
	X	

SECTION C: SITE DETAILS

C.1. Site Location

Name:	**Finisklin Landfill**
Address*:	Finisklin
	Sligo
	Co. Sligo.
Tel:	+353 71 9111111
Fax:	+353 71 9141119
e-mail:	info@sligococo.ie

* Include any townland

Attachment C.1. should contain appropriately scaled drawings or maps (≤A3) showing the site location in the context of its surroundings and clearly highlighting the site boundary.

C.2. Unauthorised Waste Sites Register (Section 22) – Site Boundary and Site Code

State that the site has been recorded on the online Section 22 Register at www.epa.ie/uwsr and that the boundary drawn of the site represents the full extent of the site.

Following the Tier 2 and Tier 3 site investigations, if the extent of the site is determined to be greater or less than that initially recorded in the Section 22 Register, then the boundary must be amended accordingly.

Finalised boundary entered in Section 22 Register?	☒

Provide the unique code assigned to the site in the Section 22 Register

Site Code	S22 - 02623

Provide a six-digit National Grid Reference for the site location

Grid Reference	167556	**E**	337117	**N**

C.3. Risk Category

State which Risk Category* the site belongs to (please check):

Class A (High)	☒
Class B (Moderate)	☐
Class C (Low)	☐

*See Chapter 4, Code of Practice (as required under Section 6(2) of the Regulations)

C.4. Land Use

Provide details of the current use of the land on which the closed landfill is situate.

Attachment C.4. should detail this information or refer to the specific section of the risk assessment documentation where this information is contained.

Attachment C.4. details where this information is contained within Attachment D.1, the Environmental Assessment Report for the Former Finisklin Landfill, March 2011.

C.5. Types and quantities of waste deposited

Provide details of the types and estimated quantities of waste deposited at the site.

Attachment C.5. should detail this information or refer to the specific section of the risk assessment documentation where this information is contained.

Attachment C.5. details where this information is contained within Attachment D.1, the Environmental Assessment Report for the Former Finisklin Landfill, March 2011.

In addition, state that the types and quantities of waste have been recorded on the online Section 22 Register at www.epa.ie/uwsr and that the information recorded represents the final estimated quantities at the site.

Following the Tier 2 and Tier 3 site investigations, if the type and quantities of waste are determined to be greater or less than that initially recorded in the Section 22 Register, then these quantities must be amended accordingly.

Finalised estimate of waste types and quantities entered in Section 22 Register	☒

SECTION D: RISK ASSESSMENT

For sites which have been assigned risk category Class A (High Risk) or Class B (Moderate Risk) during the Tier 1 assessment, a full risk assessment (Tier 1, 2 and 3) must be carried out. Class C (Low Risk) sites must have, as a minimum, Tier 1 and exploratory Tier 2 assessments. All sections of the risk assessment must be included as part of this application, including any part of the Tier 1 assessment carried out using the EPA Section 22 Register risk assessment tool at www.epa.ie/uwsr.

For all sites, a proposal detailing necessary measures for remediation, risk attenuation and site restoration must be provided, and must as a minimum contain the following information:

- Details of all necessary measures proposed, including a statement of the impact of the remediation measures. Proposed measures must clearly address all risks identified in the revised Conceptual Site Model for the site. This should also include details of alternative measures considered and reasons for rejection of same, where applicable.

- Schedule for completion of the proposed necessary measures, including a timeframe for the submission of a validation report.

- Details of any ongoing or long-term monitoring or assessment programme which may be required to evaluate and ensure the effectiveness of the necessary measures as carried out.

Two copies of the risk assessment shall be submitted. The risk assessment shall also be provided on two CD-ROMs in searchable PDF format.

The Risk Assessment should be submitted as **Attachment D.1.**

Attachment D.1. contains the 'Former Finisklin Landfill Environmental Assessment Report' prepared by Malone O'Regan in March 2011 on behalf of Sligo County Council. This report contains the detailed Risk Assessments undertaken in respect of the former landfill.

Attachment D.1. also contains an Addendum to the Environmental Assessment Report, where further details on the following are provided:

1. Details on the results of the six additional landfill gas monitoring events that were completed between November 2011 and April 2012.
2. Details on different venting options that were considered for the north east boundary of the site including the reasons for selecting the preferred option.
3. Programme for the completion of the remediation measures.
4. Details of any on-going or long-term monitoring or assessment programme which may be required to evaluate and ensure the effectiveness of the necessary measures as carried out.

SECTION E: APPROPRIATE ASSESSMENT

In addition to the foregoing, any site (whether low, moderate or high risk) which may have an impact on a Natura 2000 site (SPA or SAC) must be subject to screening for Appropriate Assessment in accordance with Article 6(3) of the Habitats Directive (92/43/EEC). The results of any such screening must be submitted as part of this application.

Where screening has determined that an appropriate assessment is required, an appropriate assessment must be completed and a copy of said assessment submitted as part of this application. The assessment should consider the following impacts on the designated site:

1. The impact of the existing landfill;
2. The objectives of proposed remediation measures with regard to existing impacts identified in item 1; and
3. The impact of any physical works carried out at the site as part of the remediation plan.

While the appropriate assessment is subject to a separate report, it should be carried out in tandem with the overall risk assessment. This is to ensure an holistic approach is undertaken, whereby all relevant appropriate assessment and risk assessment parameters are addressed and to ensure that the remediation measures proposed address all risks identified.

Please refer to the NPWS guidance document *'Appropriate Assessment of Plans and Projects in Ireland'* with regard to this assessment.

Three copies of the appropriate assessment shall be submitted. The appropriate assessment shall also be provided on two CD-ROMs in searchable PDF format.

The Appropriate Assessment (screening or full assessment as appropriate) should be submitted as **Attachment E.1.**

Attachment E.1. contains the Screening Statement for the former Finisklin Landfill and Proposed Remediation Works, prepared in January 2012 by Dr. Brian Madden of Biosphere Environmental Services.

SECTION F: DECLARATION

Declaration

I hereby make application for a Certificate of Authorisation pursuant to the provisions of the Waste Management (Certification of Historic Unlicenced Waste Disposal and Recovery Activity) Regulations, 2008 (S.I. No. 524 of 2008).

I certify that the information given in this application is truthful, accurate and complete and the enclosed Risk Assessment is a full and complete representation of all relevant work carried out in relation to the site in question.

I give consent to the EPA to copy this application for its own use and to make it available for inspection and copying by the public, both in the form of paper files available for inspection at EPA offices and via the EPA's website.

This consent relates to this application itself and to any further information or submission, whether provided by me as Applicant, any person acting on the Applicant's behalf, or any other person.

Signed by :_____ **Date :**_____
(on behalf of the organisation)

Print signature name: Fineen O'Driscoll

Position in organisation: A/Senior Engineer, Environment Section, Sligo County Council

SECTION G: JOINT DECLARATION

Joint Declaration [Note1]

I hereby make application for a Certificate of Authorisation pursuant to the provisions of the Waste Management (Certification of Historic Unlicenced Waste Disposal and Recovery Activity) Regulations, 2008 (S.I. No. 524 of 2008).

I certify that the information given in this application is truthful, accurate and complete and the enclosed Risk Assessment is a full and complete representation of all relevant work carried out in relation to the site in question.

I give consent to the EPA to copy this application for its own use and to make it available for inspection and copying by the public, both in the form of paper files available for inspection at EPA offices and via the EPA's website.

This consent relates to this application itself and to any further information or submission whether provided by me as Applicant, any person acting on the Applicant's behalf, or any other person.

Lead Authority

Signed by :_____ **Date :**_____
(on behalf of the organisation)

Print signature name: Fineen O'Driscoll_____

Position in organisation: A/Senior Engineer, Environment Section, Sligo County Council

Co-Applicants

Signed by :_____ **Date :**_____
(on behalf of the organisation)

Print signature name: _____

Position in organisation:_____

Signed by :_____ **Date :**_____
(on behalf of the organisation)

Print signature name: _____

Position in organisation:_____

Note 1: In the case of an application being lodged on behalf of more than one local authority the above declaration must be signed by all applicants.