

Eve O'Sullivan

Subject: H0176-01 - Tullyvogheen Historic Landfill
Attachments: EPA RFI - 7 April 2021 - Tullyvogheen Historic Landfill.pdf; RFI Response - COA Application Tullyvogheen LF EPA FI Report.07.04.2021..pdf; Figure 11 Rev. A 5.05.2021.pdf

From: Colin Ryder <cryder@galwaycoco.ie>
Sent: Thursday 6 May 2021 13:34
To: Licensing Staff <L.Staff@epa.ie>
Subject: H0176-01 - Tullyvogheen Historic Landfill

Ewa,

I refer to the attached letter which was received by Galway County Council on 7th April 2021 regarding H0176-01 - Tullyvogheen Historic Landfill.

Please find attached a response to the three items of information requested in the letter as per Regulation 7(2) compliance requirements.

The response was prepared by Galway County Council in conjunction with Mulroy Environmental.

Do not hesitate to contact me if you have any related queries.

Thank You.

Regards

Colin Ryder
Galway County Council
Landfill Manager
East Galway Landfill
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Mob: +353 86 8586335

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Is é Proofpoint, Arna Óstáil do Comhairle Contae na Gaillimhe, a rinne an teachtaireacht ríomhphoist seo a scanadh agus a ghlanadh ó thaobh ábhair de. **Tá míle fáilte roimh chomhfhreagras i nGaeilge nó i mBéarla.** Tá eolas atá príobháideach agus rúnda sa ríomhphost seo agus in aon iatán a ghabhann leis agus is don seolaí amháin é. Mura seolaí thú, níl tú údaraithe an ríomhphost nó aon iatán a ghabhann leis a léamh, a chóipeáil ná a úsáid. Má tá an ríomhphost seo faighte agat trí dhearmad, cuir an seoltóir ar an eolas trí ríomhphost a sheoladh ar ais agus scríos ansin é le do thoil. Má tá an ríomhphost seo ag teastáil uait i bhformáid eile téigh i dteagmháil leis an duine a sheol chugat é.

This e-mail message has been scanned for content and cleared by Proofpoint Hosted for Galway County Council. **Correspondence is welcome in Irish or in English.** This e-mail and any attachment contains information

Ewa Babiarczyk,
Inspector,
Environmental Licensing Programme,
Office of Environmental Sustainability,
EPA Headquarters, PO Box 3000,
Johnstown Castle Estate,
Co. Wexford.
Y35 W821

5th May 2021

Reg. No. H0176-01

Re: Tullyvogheen Historic Landfill – Notice in accordance with Regulation 7(4) of the Waste Management (Certification of Historic Unlicensed Waste Disposal and Recovery Activity) Regulations 2008

Dear Mrs. Babiarczyk,

I refer to the related EPA correspondence dated 7th April 2021 and received by Galway County Council on 8th April 2021. The letter requested further information relating to three items which were numbered 1, 2 and 3 in the request letter. Please find below the requested information and note that for ease of reference I have highlighted the EPA's text from the afore-mentioned letter in blue italics for items 1, 2 and 3.

Item Number 1:

Item No. 1 of the request for information states the following:

It is noted that the correspondence dated 26th February 2021 includes the following documents relating to the Qualified Person;

- (i) Letter dated 7th December 2012 from the Institute of Professional Soil Scientists (IPSS) to Mr. Padraic Mulroy;*
- (ii) Draft letter dated 25th February 2021 from Mr Mulroy to Galway County Council and a query whether this is the 2nd document in relation to the Qualified Person required by the Agency; and*
- (iii) Correspondence dated 25th February 2021 from Mr Padraic Mulroy to Galway County Council referring to Mr Mulroy's qualifications and work experience. Attached to this correspondence is the Statement of Capabilities of Mulroy Environmental.*

Please note that the two documents relating to the Qualified Person are:

- (a) A letter from the Professional Body to the Qualified Person; and*
- (b) A letter from the Qualified Person to the Local Authority*

Please find attached:

A letter from Engineers Ireland, sent on the 30th April 2021, notifying Padraic Mulroy of his admission to Engineers Ireland's Historic Landfill Qualified Person register;

A letter from Padraic Mulroy, Mulroy Environmental Ltd. a Qualified Person under Section 2.3 of the EPA Historic Landfill Code of Practice to Galway County Council notifying of his status on Engineers Ireland Historic Landfill Qualified Person register.

Item Number 2:

Item No. 2 of the request for information states the following:

'2. Please submit the leachate, groundwater monitoring and landfill gas results, as required in, respectively, Points 4 and 5 of the Agency's Notice issued on 29th January 2021, once monitoring is complete.

Please note that the response made on 26th February to the Agency's Notice issued on 29th January outlined a schedule for leachate, groundwater and landfill gas monitoring. Monitoring was scheduled to be undertaken in May with a related report to be submitted to the EPA in late June following receipt and assessment of laboratory results.

In the interim the prolonged Level 5 restrictions, which remain in place, have affected this schedule slightly. It is now proposed to carry out this monitoring in the beginning of June 2021. Galway County Council will endeavour to have this monitoring carried out at the earliest possible opportunity and reported without delay following receipt and assessment of laboratory results. We hope that Covid 19 restrictions do not further interfere with our monitoring schedule.

Item Number 3:

Item No. 3 of the request for information states the following:

'3. Please submit one drawing showing the following elements interpolated:

- (I) The extent of the waste body*
- (II) All of the existing and proposed monitoring locations including their reference codes, for Landfill gas, leachate, groundwater and surface water; and*
- (III) The site boundary of the entire site.*

Please note that due to distance between the landfill site and a number of the surface water monitoring locations, it is not possible to position all requested information on the same

drawing due to scale. Please find attached an amended figure, Figure 11 Revision A. This figure shows the site boundary for the entire site, the extent of the waste body and the position of the 3 groundwater/gas and the 2 leachate/gas monitoring wells on site.

The position of the surface water monitoring locations are shown on Figures 15 to 18 of Volume III of the Certificate of Authorisation Application which contains the report, Further Information Hydrology/Tier 3 GQRA/CSM of Former Tullyvogheen Landfill Report, 2020, already submitted.

Yours sincerely,

Colin Ryder

Colin Ryder

Executive Scientist

Environment Section

Galway County Council

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Mr Padraic Mulroy MIEI
Managing Director
Mulroy Environmental,
30 Lisroland View,
Knockbridge,
Dundalk,
County Louth

April 30th 2021 **By email only.**

Re: Engineers Ireland Register for Historic Landfill Register in accordance with Section 2.3 of Code of Practice: Environmental Risk Assessment for Unregulated Waste Disposal Sites (EPA, 2007)

Dear Mr Mulroy,

This letter confirms that your recent application to be included on the Engineers Ireland Historic Landfill Register was successful. The period of inclusion on the register is from April 30th 2021 initially for a one-year period.

Please note that process for inclusion on all registers is being reviewed and there will be further communication at a later date.

Engineers Ireland confirms that you are a member in good standing (number 037097) with no pending disciplinary action and has been assessed as a person who is qualified, trained and experienced to the standard set out in Section 2.3 of Code of Practice: Environmental Risk Assessment for Unregulated Waste Disposal Sites (EPA, 2007).

Yours sincerely,

A handwritten signature in cursive script that reads "Damien Owens".

Damien Owens
Registrar,
Engineers Ireland

Dundalk Office
Mulroy Environmental,
30 Lisroland View, Knockbridge,
Dundalk, Co. Louth.

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FAX +353 (0)42 9384750
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MULROY
environmental

Colin Ryder,
Landfill Manager,
Environmental Section,
Galway County Council,
Áras an Chontae,
Prospect Hill,
Galway.

5th May 2021

Re: Risk assessment on an historic landfill in support of an application for a certificate of authorisation in accordance with Regulation 7 of the Waste Management (Certification of Historic Unlicensed Waste Disposal and Recovery Activity) Regulations 2008.

Dear Mr. Ryder,

Please find attached in Appendix 1, a letter from Engineers Ireland sent on the 30th April, 2021 notifying myself, Padraig Mulroy of my admission to Engineers Ireland's Historic Landfill Qualified Person register.

As a person who is qualified, trained and experienced to the standard set out in Section 2.3 of Code of Practice: Environmental Risk Assessment for Unregulated Waste Disposal Sites (EPA, 2007), it is my opinion that the risk assessment carried out by Galway County Council in relation to a closed landfill at Tullyvogheen, Clifden, County Galway is adequate and complete.

The risk assessment complies with all of the requirements of the Code of Practice. The local authority or its agent/contractor, in carrying out the risk assessment, has followed and completed the steps set out in the Code of Practice and associated guidance (Matrix 1 and Matrix 2 – as published).

The following items:

- the risk assessment,
- the findings and conclusions of the risk assessment,
- the remedial measures proposed, if any, and

DIRECTORS: P. Mulroy, BSc., MSc., MIPSS, MIEI, CSC., GSAS-CGP
E. McEvaddy, BA., Dip. PR, H.Dip.Ed.

VAT NO. IE 3515664EH



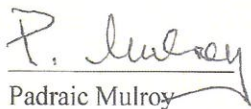
MULROY
environmental

- the monitoring proposed to be carried out to demonstrate the effectiveness of the remedial measures, if any, are, in my opinion, appropriate and adequate to:
 - identify the instances and risks of environmental pollution arising from the closed landfill to which this application refers,
 - proportionately address any and all such instances and risks of environmental pollution, and
 - ensure that any future instances of environmental pollution will be detected in a timely manner.

I have advised the local authority on the following aspects of this project or have carried out or managed the following aspects of the project on behalf of the local authority (tick the applicable bullet points):

- Tier 2 risk assessment
- Tier 3 risk assessment including GOR (and DQRA as appropriate)
- Remedial measures
- Post-remediation monitoring programme
- None of these – my sole role has been to review the final outputs of the work

Signed:



Padraic Mulroy
Managing Director
Mulroy Environmental Ltd.
Mob.: 086-8770380

APPENDIX 1

ENGINEERS IRELAND LETTER REGARDING NOTIFICATION OF
PADRAIC MULROY'S ADMISSION TO ENGINEERS IRELAND'S
HISTORIC LANDFILL QUALIFIED PERSON REGISTER.

(30TH APRIL, 2021)

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Mr Padraic Mulroy MIEI
Managing Director
Mulroy Environmental,
30 Lisroland View,
Knockbridge,
Dundalk,
County Louth

April 30th 2021 **By email only.**

Re: Engineers Ireland Register for Historic Landfill Register in accordance with Section 2.3 of Code of Practice: Environmental Risk Assessment for Unregulated Waste Disposal Sites (EPA, 2007)

Dear Mr Mulroy,

This letter confirms that your recent application to be included on the Engineers Ireland Historic Landfill Register was successful. The period of inclusion on the register is from April 30th 2021 initially for a one-year period.

Please note that process for inclusion on all registers is being reviewed and there will be further communication at a later date.

Engineers Ireland confirms that you are a member in good standing (number 037097) with no pending disciplinary action and has been assessed as a person who is qualified, trained and experienced to the standard set out in Section 2.3 of Code of Practice: Environmental Risk Assessment for Unregulated Waste Disposal Sites (EPA, 2007).

Yours sincerely,

A handwritten signature in dark ink, appearing to read 'Damien Owens'.

Damien Owens
Registrar,
Engineers Ireland

Mr. Colin Ryder,
Landfill Manager,
Galway County Council,
Áras an Chontae,
Prospect Hill,
Galway.



7th April 2021

Reg. No. H0176-01

Re: Tullyvogheen Historic Landfill – Notice in accordance with Regulation 7(4) of the Waste Management (Certification of Historic Unlicensed Waste Disposal and Recovery Activity) Regulations, 2008

Dear Mr. Ryder,

I am to refer to the above referenced application for a certificate of authorisation in relation to the above referenced historic landfill and to your correspondence dated 26th February 2021 received in response to the Agency's notice issued on 29th January 2021.

Having examined the foregoing, I am to advise that the Agency is of the view that the application does not comply with Regulation 7(2) of the Waste Management (Certification of Historic Unlicensed Waste Disposal and Recovery Activity) Regulations, 2008.

You are therefore requested in accordance with Regulation 7(4) of the Regulations, to take steps to supply the information detailed below:

REGULATION 7(2) COMPLIANCE REQUIREMENTS

1. It is noted that the correspondence dated 26th February 2021 includes the following documents relating to the Qualified Person:
 - (i) Letter dated 7th December 2012 from the Institute of Professional Soil Scientists (IPSS) to Mr. Padraic Mulroy;
 - (ii) Draft letter dated 25th February 2021 from Mr. Mulroy to Galway County Council and a query whether this is the 2nd document in relation to the Qualified Person required by the Agency; and
 - (iii) Correspondence dated 25th February 2021 from Mr. Padraic Mulroy to Galway County Council referring to Mr. Mulroy's qualifications and work experience. Attached to this correspondence is the Statement of Capabilities of Mulroy Environmental.

Please note that the two documents relating to the Qualified Person are:

- (a) A letter from the Professional Body to the Qualified Person; and
- (b) A letter from the Qualified Person to the Local Authority.

Templates with the contents for both required letters are available on the Agency's website at the following link: <http://www.epa.ie/licensing/hisland/>. The copies of the issued letters are required to be submitted the Agency as part of the application.

To date, The Institute of Geologists of Ireland and Engineers Ireland are the only professional bodies that have been approved by the Agency for recognition as a relevant professional body providing appropriate chartered status and registration to professionals as set out in Section 2.3 of the Code of Practice. Please note that the Institute of Professional Soil Scientists (IPSS) is not so recognised by the Agency. As a result, currently only a copy of a letter from one of those Professional Bodies to the Qualified Person and a copy of a letter from the relevant Qualified Person to the Local Authority can be accepted at this point. Please provide the appropriate letters as outlined.

2. Please submit the leachate, groundwater monitoring and landfill gas monitoring results, as required in, respectively, Points 4 and 5 of the Agency's Notice issued on 29th January 2021, once monitoring is complete.
3. Please submit one drawing showing the following elements interpolated:
 - (i) The extent of the waste body;
 - (ii) All of the existing and proposed monitoring locations, including their reference codes, for landfill gas, leachate, groundwater and surface water; and
 - (iii) The site boundary for the entire site.

Your reply to this notice should include a revised non-technical summary, which reflects the information you supply in compliance with the notice, insofar as that information impinges on the non-technical summary.

In the case where any drawings already submitted are subject to revision consequent on this request, a revised drawing should be prepared in each case. It is not sufficient to annotate the original drawing with a textual correction. Where such revised drawings are submitted, provide a list of drawing titles, drawing numbers and revision status, which correlates the revised drawings with the superseded versions.

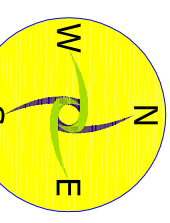
Please supply the information within **four weeks** of the date of this notice. Please note during Covid-19 there are new arrangements in place for the receipt of all correspondence in relation to applications for Certificates of Authorisation. Accordingly, any application documentation should be emailed to licensing@epa.ie using the file transfer application Microsoft OneDrive and quoting the EPA Application Register Number H0176-01. The EPA doesn't accept files to be transferred using any file share application other than MS One Drive. Each file should be in a searchable .pdf format and a size not exceeding 10MB.

Please also note, post Covid-19, you may be contacted to submit the hard copies and CD-ROMs for the submitted electronic correspondence.




Yours sincerely,




Ewa Babiarczyk
Inspector
Environmental Licensing Programme
Office of Environmental Sustainability



LEGEND

-  Site Boundary
-  Extent of waste within site (magenta boundary & hatch)
-  Location of Leachate/Gas Monitoring Well

 Location of Groundwater/Gas Monitoring Well

NOTES

1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING
2. ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Issue	Date	Description	By	Chkd
A	5.09.2024	GM & LG Gas monitoring wells added for further information submission to EPA	A.M.	P.M.



Client: Galway County Council

Project: Tier 2 Site Investigation & Tier 3 GORA Assessment of Former Tullyvoghreen Landfill

Title: Approximate Extent of Waste within Tullyvoghreen Landfill

Scale: 1:750@A3

Prepared by: G.F. P.M. **Date:** 25-02-21

Project Director: P.MULROY

Drawing No.: Figure 11

Issue: A