



16th June 2022

[Redacted]

Email: [Redacted]

Re: FOI request IE_FOI_586

Dear [Redacted],

I refer to your request dated 24th May 2022 made under the Freedom of Information Act 2014, which was received on by my office on the 25th May 2022, for records held by Iarnród Éireann.

Request:

- Copy of:
all documents and correspondence between Irish rail and Byrne Environmental and holding directors responsible for any adverse impact of noise at W91X3KA - LYNHILL, SALLINS, CO KILDARE

Response:

I, Ms. Louise O’Riain, Decision Maker have now made a final decision to part grant your request on 16th June 2022.

Please find response document and schedule of records attached.

Rights of appeal

In the event that you are not happy with this decision you can make an appeal in relation to this matter, you can do so by writing to the FOI Unit, Corporate Communications, Iarnród Éireann Irish Rail, Connolly Station, Amiens St, Dublin 1 or by e-mail to foi@irishrail.ie. You should make your appeal within 4 weeks (20 working days) from the date of this notification, where a day is defined as a working day excluding, the weekend and public holidays, however, the making of a late appeal may be permitted in appropriate circumstances.

The appeal will involve a complete reconsideration of the matter by a more senior member of the staff of this body.

Should you have any questions or concerns regarding the above, please contact the FOI Officer on [Redacted] or by email at foi@irishrail.ie

Yours sincerely,

PP

Ms. Louise O’Riain, FOI Decision Maker, CCE, Iarnród Éireann

Freedom of Information Request:
Schedule of Records for IE_FOI_586 : Summary for Decision Making

Record No.	Date of Record	Brief Description	No. of Pages	Decision: Grant/Part Grant/Refuse	Section of Act if applicable	Record Edited/Identify Deletions
1	various	IE_FOI_586 Emails Received_Redacted	67	Part Grant	S 37	Personal Information relating to others
2	various	IE_FOI_586 Emails Sent_Redacted	50	Part Grant	S 37	Personal Information relating to others

Signed:
Sue Stanley
Freedom of Information / Data Protection Office

From: Ian Byrne
To: [Seamus Hannon](#)
Subject: Monitoring equipment collection
Date: Thursday 5 May 2022 16:07:35

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Seamus,

Can you let me know when you are available to collect the noise & vibration monitors from the Sherlockstown compound.

Ian

Ian Byrne MSc MIOA Dip Environmental & Planning Law

Byrne Environmental Consulting Ltd
Redbog
Skryne Road
Dunshaughlin
Co. Meath

Mobile [REDACTED]

Phone 01-8024001

Email [REDACTED]

Web byrneenvironmental.ie

Environmental Monitoring-Assessment-Management

From: Ian Byrne
To: [Seamus Hannon](#)
Subject: Noise & Vib monitoring Sallins
Date: Monday 21 March 2022 08:41:33

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Seamus,
I am looking to install the monitors at the compound in Sherlockstown.
Are you available this week to meet on-site?
Ian

Ian Byrne MSc MIOA Dip Environmental & Planning Law

Byrne Environmental Consulting Ltd
Redbog
Skryne Road
Dunshaughlin
Co. Meath

Mobile [REDACTED]
Phone 01-8024001
Email [REDACTED]
Web byrneenvironmental.ie

Environmental Monitoring-Assessment-Management

From: Ian Byrne
To: [Seamus Hannon](#)
Subject: Re: Monitoring equipment collection
Date: Thursday 5 May 2022 16:19:57
Attachments: [image001.png](#)

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Seamus
Monday is fine so. I'll get the report done over the weekend

Regards

Ian Byrne MSc MIOA Dip Environmental & Planning Law

Byrne Environmental Consulting Ltd
Redbog
Skryne Road
Dunshaughlin
Co. Meath

Mobile [REDACTED]
Phone 018024001
Email [REDACTED]
Web byrneenvironmental.ie

Environmental Monitoring-Assessment-Management

On May 5, 2022, at 16:10, Seamus Hannon <Seamus.Hannon@irishrail.ie> wrote:

I can meet you in the Morning Ian if it suits. Say 9.30am? Can you advise when the report will likely be ready – we have received a few emails since last Tuesday.

Regards,
Seamus Hannon

Assistant Engineer, Dublin West, Iarnród Éireann;
Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.
☎: +353 87 [REDACTED] ✉: seamus.hannon@irishrail.ie 🌐: www.irishrail.ie

image001.png



From: Ian Byrne <[REDACTED]>
Sent: Thursday 5 May 2022 16:07
To: Seamus Hannon <Seamus.Hannon@irishrail.ie>
Subject: Monitoring equipment collection

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Hi Seamus,
Can you let me know when you are available to collect the noise & vibration monitors from
the Sherlockstown compound.
Ian

Ian Byrne MSc MIOA Dip Environmental & Planning Law

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Redbog
Skryne Road
Dunshaughlin
Co. Meath

Mobile [REDACTED]
Phone 01-8024001
Email [REDACTED]
Web byrneenvironmental.ie

Environmental Monitoring-Assessment-Management

From: Ian Byrne
To: [Seamus Hannon](#)
Subject: Re: Noise & Vib monitoring Sallins
Date: Monday 21 March 2022 13:15:49
Attachments: [image001.png](#)
[image001.png](#)

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Hi Seamus
I'm afraid I can do this pm or Tuesday. Friday?

Regards

Ian Byrne MSc MIOA Dip Environmental & Planning Law

Byrne Environmental Consulting Ltd
Redbog
Skryne Road
Dunshaughlin
Co. Meath

Mobile [REDACTED]
Phone 018024001
Email [REDACTED]
Web byrneenvironmental.ie

Environmental Monitoring-Assessment-Management

On Mar 21, 2022, at 11:28, Seamus Hannon <Seamus.Hannon@irishrail.ie> wrote:

Sorry Ian I can't do Thursday. Is tomorrow morning 10am ok or this evening say 2pm.

Regards,
Seamus Hannon

Assistant Engineer, Dublin West, Iarnród Éireann;
Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.
📞: +353 87 [REDACTED] ✉: seamus.hannon@irishrail.ie 🌐: www.irishrail.ie



From: Ian Byrne <[REDACTED]>
Sent: Monday 21 March 2022 11:27
To: Seamus Hannon <Seamus.Hannon@irishrail.ie>
Subject: Re: Noise & Vib monitoring Sallins

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Hi Seamus
Could we do Thursday as I've something on Wednesday.

Regards

Ian Byrne MSc MIOA Dip Environmental & Planning Law

Byrne Environmental Consulting Ltd
Redbog
Skryne Road
Dunshaughlin
Co. Meath

Mobile [REDACTED]
Phone 018024001
Email [REDACTED]
Web byrneenvironmental.ie

Environmental Monitoring-Assessment-Management

On Mar 21, 2022, at 10:54, Seamus Hannon <Seamus.Hannon@irishrail.ie> wrote:

Yes Ian,

Sorry I completely forgot this one. How is Wednesday morning say 10am?

Regards,
Seamus Hannon

Assistant Engineer, Dublin West, Iarnród Éireann;
Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.
☎: +353 87 [REDACTED] ✉: seamus.hannon@irishrail.ie 🌐: www.irishrail.ie



From: Ian Byrne <[REDACTED]>
Sent: Monday 21 March 2022 08:41
To: Seamus Hannon <Seamus.Hannon@irishrail.ie>
Subject: Noise & Vib monitoring Sallins

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Hi Seamus,
I am looking to install the monitors at the compound in Sherlockstown.
Are you available this week to meet on-site?
Ian

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Skryne Road

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Mobile [REDACTED]

Phone 01-8024001

Email [REDACTED]

Web byrneenvironmental.ie

Environmental Monitoring-Assessment-Management

From: Ian Byrne
To: [Seamus Hannon](#)
Subject: Re: Noise & Vib monitoring Sallins
Date: Monday 21 March 2022 13:33:20
Attachments: [image001.png](#)
[image001.png](#)
[image001.png](#)

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Grand thanks Seamus
Ian

Regards

Ian Byrne MSc MIOA Dip Environmental & Planning Law

Byrne Environmental Consulting Ltd
Redbog
Skryne Road
Dunshaughlin
Co. Meath

Mobile [REDACTED]
Phone 018024001
Email [REDACTED]
Web byrneenvironmental.ie

Environmental Monitoring-Assessment-Management

On Mar 21, 2022, at 13:20, Seamus Hannon <Seamus.Hannon@irishrail.ie> wrote:

Ok Ian. I can meet Friday morning so. 10am ok?

Regards,
Seamus Hannon

Assistant Engineer, Dublin West, Iarnród Éireann;
Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.
☎: +353 87 [REDACTED] ✉: seamus.hannon@irishrail.ie 🌐: www.irishrail.ie



From: Ian Byrne <[REDACTED]>
Sent: Monday 21 March 2022 13:16
To: Seamus Hannon <Seamus.Hannon@irishrail.ie>
Subject: Re: Noise & Vib monitoring Sallins

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Regards

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Seamus Hannon

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Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.
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Subject: Noise & Vib monitoring Sallins

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Are you available this week to meet on-site?
Ian

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Skryne Road
Dunshaughlin
Co. Meath

Mobile [REDACTED]
Phone 01-8024001
Email [REDACTED]
Web byrneenvironmental.ie

Environmental Monitoring-Assessment-Management

From: Ian Byrne
To: [Seamus Hannon](#)
Subject: Re: Noise & Vib monitoring Sallins
Date: Monday 21 March 2022 11:27:30
Attachments: [image001.png](#)

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Seamus
Could we do Thursday as I've something on Wednesday.

Regards

Ian Byrne MSc MIOA Dip Environmental & Planning Law

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Redbog
Skryne Road
Dunshaughlin
Co. Meath

Mobile [REDACTED]
Phone 018024001
Email [REDACTED]
Web byrneenvironmental.ie

Environmental Monitoring-Assessment-Management

On Mar 21, 2022, at 10:54, Seamus Hannon <Seamus.Hannon@irishrail.ie> wrote:

Yes Ian,

Sorry I completely forgot this one. How is Wednesday morning say 10am?

Regards,
[Seamus Hannon](#)

Assistant Engineer, Dublin West, Iarnród Éireann;
Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.
☎: +353 87 [REDACTED] ✉: seamus.hannon@irishrail.ie 🌐: www.irishrail.ie



From: Ian Byrne <[REDACTED]>
Sent: Monday 21 March 2022 08:41
To: Seamus Hannon <Seamus.Hannon@irishrail.ie>
Subject: Noise & Vib monitoring Sallins

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Are you available this week to meet on-site?

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Skryne Road

Dunshaughlin

Co. Meath

Mobile [REDACTED]

Phone 01-8024001

Email [REDACTED]

Web byrneenvironmental.ie

Environmental Monitoring-Assessment-Management

From: Ian Byrne
To: [Seamus Hannon](#)
Subject: RE: Noise monitoring assessment Sallins
Date: Wednesday 24 November 2021 12:50:04
Attachments: [image001.png](#)
[Proposal Ref 1957 IE Salins Vibration Monitoring.pdf](#)

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Thanks Seamus.

I have attached a vibration monitoring proposal. Same cost as per noise assessment.

Regards,

Ian

Ian Byrne MSc MIOA Dip Environmental & Planning Law

Byrne Environmental Consulting Ltd
Redbog
Skryne Road
Dunshaughlin
Co. Meath

Mobile [REDACTED]
Phone 01-8024001
Email [REDACTED]
Web byrneenvironmental.ie

Environmental Monitoring-Assessment-Management

From: Seamus Hannon <Seamus.Hannon@irishrail.ie>
Sent: Wednesday 24 November 2021 11:58
To: Ian Byrne <[REDACTED]>
Subject: RE: Noise monitoring assessment Sallins

Ian that's perfect. I will get req out based on the quote attached.

Would you also be able to send me a quote to complete the Vibration monitoring it may be worthwhile now you mention it. I might leave it sit though until we make further contact with resident.

Regards,
Seamus Hannon

Assistant Engineer, Dublin West, Iarnród Éireann;
Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.
☎: +353 87 [REDACTED] ✉: seamus.hannon@irishrail.ie 🌐: www.irishrail.ie



From: Ian Byrne <[REDACTED]>
Sent: Wednesday 24 November 2021 09:48
To: Seamus Hannon <Seamus.Hannon@irishrail.ie>
Subject: RE: Noise monitoring assessment Sallins

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Seamus,
Please note the attached proposal for the monitoring of noise for a 1-week period.
I note that the Complainant suggests that the house is shaking as a result of trains passing. A vibration survey could only be conducted at the house to evaluate any vibrational impact,
Regards,
Ian

Ian Byrne MSc MIOA Dip Environmental & Planning Law

Byrne Environmental Consulting Ltd
Redbog
Skryne Road
Dunshaughlin
Co. Meath

Mobile [REDACTED]
Phone 01-8024001
Email [REDACTED]
Web byrneenvironmental.ie

[Environmental Monitoring-Assessment-Management](#)

From: Seamus Hannon <Seamus.Hannon@irishrail.ie>
Sent: Tuesday 23 November 2021 12:13
To: Ian Byrne <[REDACTED]>
Subject: Noise monitoring assessment Sallins

Hi Ian,

As discussed over the phone earlier. We have 1 particular resident in Sallins that is constantly on to us about noise and disturbances. You can see from the thread attached (just for yourself for information only please) that it has been going on quite a while. I have some photos included in mail attached.

The property is located at; [W91 X3KA - Google Maps](#)

Lynhill

Church Avenue

Kerdiffstown

Naas

Co Kildare

W91 X3KA

I was hoping to set up 1 week of noise monitoring to get some data as to the severity of the situation and from that an assessment of mitigation measures if any we could possibly introduce. The house is on an embankment above the track and as crow flies is 21m from the nearest track. We completed packing to track, rerailed a long section, removed a damaged block joint and topped up ballast so from a track maintenance point of view there is very little more we can do. She has requested noise barriers/fencing but I am not sure it would be any benefit given the height of her property above the track.

Any questions just give me a call. Pedestrian access can be provided to track at the adjacent bridge.

Regards,
Seamus Hannon

Assistant Engineer, Dublin West, Iarnród Éireann;
Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.
☎: +353 87 [REDACTED] ✉: seamus.hannon@irishrail.ie 🌐: www.irishrail.ie



*Iarnród Éireann Irish Rail, cuideachta ghníomhaíochta ainmnithe, faoi theorainn scaireanna, cláraithe in Éirinn ag Stáisiún Uí Chonghaile, Baile Átha Cliath 1, Ur 119571 Ur CBL: IE 4812851 O,
Iarnród Éireann Irish Rail, a designated activity company, limited by shares, registered in Ireland at Connolly Station, Dublin 1,
No 119571 VAT No IE 4812851 O*

*In Iarnród Éireann, creideann muid in obair sholúbtha a éascú, agus mar sin, cé go n-olreann sé dom ríomhphost a sheoladh anois, níl mé ag súil le freagra ná gníomh lasmuigh de d'uaireanta oibre
At Iarnród Éireann we believe in facilitating flexible working, so while it suits me to email now, I do not expect a response or action outside of your own working hours*

FEE PROPOSAL & METHOD STATEMENT

FOR

**SEAMUS HANNON
INFRASTRUCTURE DEPARTMENT
IARNROD EIREANN
INCHICORE
DUBLIN**

RELATING TO

STRUCTURAL VIBRATION MONITORING

AT

SALINS CO. KILDARE

**Proposal Ref. 1957
24th November 2021**

Ken Byrne

Prepared by: Ian Byrne MSc MIOA, MSc Environmental & Planning Law

1.0 INTRODUCTION

This fee proposal has been prepared at the request of **Iarnrod Eireann** and relates to the installation of a vibration monitoring system at a residential receptor located at Salins Co, Kildare.

It is understood that vibration monitoring is required to be conducted on a continuous 24 hour basis for a 7-day period and that technical vibration assessment report is required following the survey.

2.0 CAPABILITY STATEMENT OF BYRNE ENVIRONMENTAL CONSULTING LTD

Byrne Environmental Consulting Ltd are a company specialising in the provision of noise, and vibration and air quality monitoring, management and impact assessment services to the Development, Construction and Civil Engineering Sectors and the Light rail and Main line rail transport sectors.

We have significant experience in the monitoring and management of rail construction / maintenance / operational noise and vibration levels, complaint investigation and the provision of specialist advice on mitigation measures to the rail transport sector.

Ian Byrne (MSc Environmental Protection) (MIOA Member of the Institute of Acoustics) (Diploma in Environmental & Planning Law) has approximately 24 years experience as an Environmental Consultant working directly with Clients in the Construction and Development Industry. Ian Byrne is a “Competent Person” as defined in the *EPA’s Guidance Note for Noise: Licence Applications, Surveys and Assessments in Relation to Scheduled Activities (NG4)*.

3.0 UNDERSTANDING OF THE PROJECT

We understand that the project involves the following aspects:

Installation of 1 No. data logging continuous vibration monitoring system with live data view and text/email alert system capability for a 7-day period.

Provision of access to live on-line monitoring system of vibration monitoring systems to the IE Project Team.

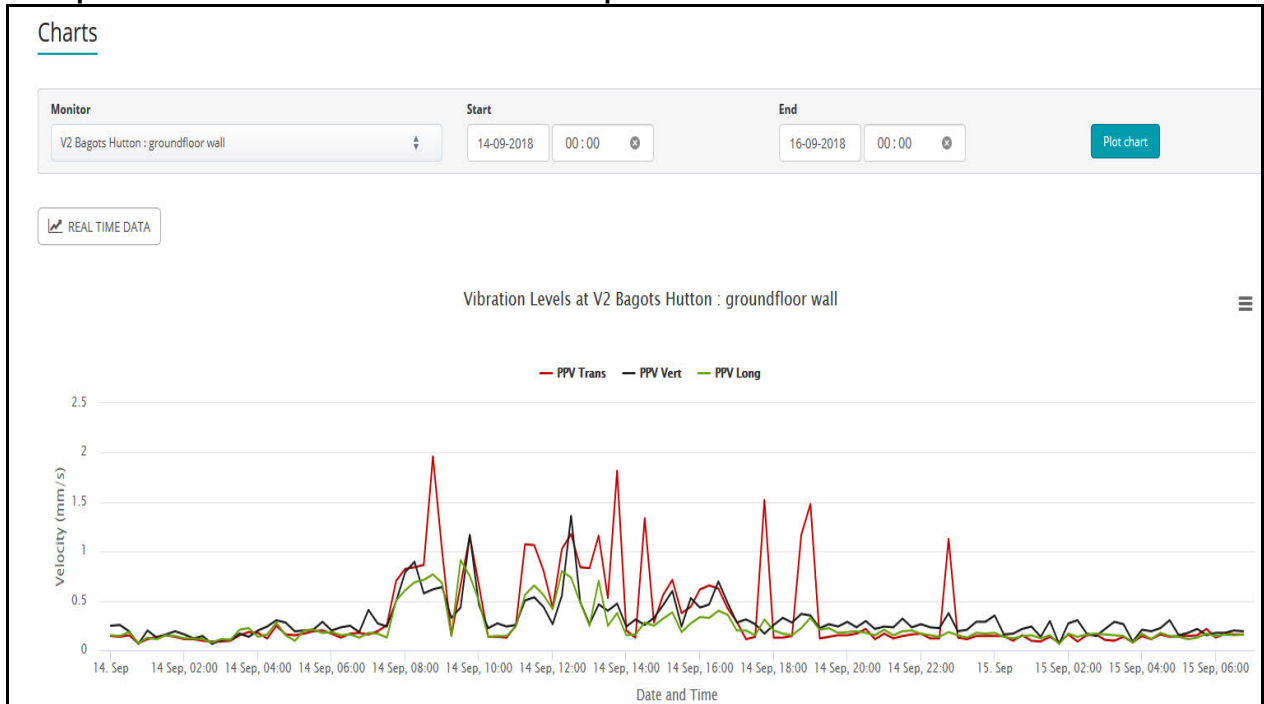
Preparation of a technical and interpretive vibration assessment report following the completion of the 7-day survey.

Decommissioning of 1 No. vibration monitoring system.

4.0 NOISE MONITORING METHODOLOGY

It is proposed that vibration levels at the subject property shall be continuously monitored in accordance with *BS 7385 Evaluation and measurement for vibration in buildings: Part 1 1990 Guide for measurement of vibrations and evaluation of their effect on buildings* and *BS 7385 Evaluation and measurement for vibration in buildings: Part 2 1993 Guide to damage levels* arising from ground borne vibration.

Example of real time web-based vibration level plot



5.0 PROJECT FEE

It is proposed to complete the vibration assessment project for [REDACTED]

6.0 TERMS

This proposal is valid for a period of 2 months.

A PO# is required prior to the commencement of Project works.

Payment is strictly 30 days from date of monthly invoice

7.0 COMPANY DETAILS

7.1 References

If required, a list of references may be provided on request.

7.2 Contact Details

Ian Byrne (MSc, MIOA, Dip Environmental & Planning Law) Managing Director, Principal Consultant

Sandra Martin (BSc, MBA) Company Secretary

Mobile [REDACTED] (24 hours)
Office 01-8024001
Fax 01-8024001
Email [REDACTED]
Web www.byrneenvironmental.ie
Address Red Bog, Skryne Road, Dunshaughlin, Co. Meath

7.3 Company Information

Company Registration No. 426753
VAT Registration No. IE9575876i
Tax Clearance Certificate Vadid

7.4 Insurances

Public Liability	€6.5 Million HUP169148525 Hiscox Insurance	Valid until 08.10.22
Professional Indemnity	€2.6 Million HUP169148525 Hiscox Insurance	Valid until 08.10.22
Employers Liability	€13 Million HUP169148525 Hiscox Insurance	Valid until 08.10.22

7.5 Contractor Certificate of Competence & PTA

Ian Byrne holds a Contractor Certificate of Competence Expiry Date 2022-07-15

Ian Byrne holds a valid Permit to Access Expiry Date 17th September 2022 (PTA-163-2021-BEC)

Ref Appendix II

Byrne Environmental
CONSULTING LTD

Iarnrod Eireann
Salins Vibration Monitoring Project - Fee Proposal Ref 1955

APPENDIX I

2021 Certificate of Membership to the Institute of Acoustics



Certificate of Membership

This is to certify that

Ian Byrne

has been elected as a

Member

of the
Institute of Acoustics

*Given under the seal of the Institute
in accordance with the
Articles of Association and By-Laws*

President

A handwritten signature in blue ink, appearing to read "B. G. G.", written over a faint circular watermark.

Institute Secretary

A handwritten signature in blue ink, appearing to read "M. H.", written over a faint circular watermark.

Valid Until

31-01-2022

Membership Number

44543



The certificate remains the property of the Institute and shall be returned to the Institute on demand.
Membership of the Institute is subject to annual renewal

The Institute of Acoustics Limited, 3rd Floor, St Peter's House, 45-49 Victoria Street, St Albans, Hertfordshire AL1 3WZ
Tel: +44 (0)1727 848195 Fax: +44 (0)1727 850553 email: iso@ioa.org.uk www.ioa.org.uk

Limited by Guarantee and Registered in England, No. 1157240 Registered Charity No. 267026

Byrne Environmental
CONSULTING LTD

Ianrod Eireann

Salins Vibration Monitoring Project - Fee Proposal Ref 1955

APPENDIX II

PERMIT TO ACCESS & CONTRACTOR CERTIFICATE OF COMPETENCE

CCE Permit-to-Access-Byrne Environmental Consulting



Contractor Name	Byrne Environmental Consulting
Address	Red Bog
	Skyrne Road
	Dunshaughlin
	Co. Meath

Dear Mr. Byrne

Please be advised that your Safety Submission in accordance with CCE-SMS-005 has been approved by a CCE Contractor review panel and you are now permitted supervised access to all CCE locations for the period detailed below.

Contractor Name	Service Details	Permit Period	Permit Unique No
Byrne Environmental Consulting	Plant/Labour services and/or minor civil engineering work	18 th of September 2021 to 17 th of September 2022	PTA_163_2021_BEC

Note that only staff and or plant detailed in this submission are permitted to access CCE Locations under the following conditions:

- Permission has been granted by a CCE supervisor to enter the CCE Location
- Permission has been granted by a CCE supervisor to commence work
- The appropriate railway protection arrangements are in place and approved by a CCE supervisor

Any additions or amendments must be notified to the Contractor Safety Manager at a minimum of seven calendar days prior to entry to any CCE work location.

Please ensure that this Permit-to-Access is issued to all Contractor Charge Persons for auditing purposes. This Permit-to Access may be subject to change or termination where a serious breach (or consistent minor breaches) of Safety & Health rules and or regulations are observed.

Issued by:

Date:

A handwritten signature in blue ink, appearing to be 'T.H.', on a light-colored background.

13th September 2021

Contractor Safety Manager

CCE-SMS-005 Permit-to-Access

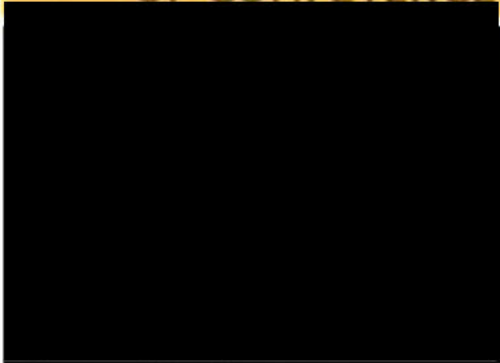
Byrne Environmental
CONSULTING LTD

Iarnrod Eireann
Salins Vibration Monitoring Project - Fee Proposal Ref 1955

**CONTRACTOR CERTIFICATE
OF COMPETENCE**



Iarnród Éireann
Infrastructure



CERT

EXPIRES

PTS

2022-07-15

Medical (Level 3)

2025-06-20

Name: Ian Byrne

IM: 15-07-2019-7379



NOT VALID FOR TRAVEL CONCESSIONS

Byrne Environmental
CONSULTING LTD

Iarnród Éireann
Salins Vibration Monitoring Project - Fee Proposal Ref 1955

From: Ian Byrne
To: [Seamus Hannon](#)
Subject: Re: Noise monitoring assessment Sallins
Date: Monday 6 December 2021 12:20:37
Attachments: [image001.png](#)
[image001.png](#)
[image001.png](#)

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Seamus

I have looked at the forecast and the storm which is due tomorrow until Wednesday will impact the accuracy of the noise readings as a result of forecasted high winds. I recommend that we cancel tomorrow and will reschedule once calmer weather returns.

Ian

Regards

Ian Byrne MSc MIOA Dip Environmental & Planning Law

Byrne Environmental Consulting Ltd
Redbog
Skryne Road
Dunshaughlin
Co. Meath

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Email [REDACTED]
Web byrneenvironmental.ie

Environmental Monitoring-Assessment-Management

On Nov 26, 2021, at 10:52, Seamus Hannon <Seamus.Hannon@irishrail.ie> wrote:

Hi Ian,

Reqs have been created for both the noise and vibration monitoring assessments.
Hopefully POs be out soon and we can get set up. Thanks.

Regards,
Seamus Hannon

Assistant Engineer, Dublin West, Iarnród Éireann;
Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.
☎: +353 87 [REDACTED] ✉: seamus.hannon@irishrail.ie 🌐: www.irishrail.ie



From: Ian Byrne <[REDACTED]>

Sent: Wednesday 24 November 2021 12:50
To: Seamus Hannon <Seamus.Hannon@irishrail.ie>
Subject: RE: Noise monitoring assessment Sallins

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Thanks Seamus.
I have attached a vibration monitoring proposal. Same cost as per noise assessment.
Regards,
Ian

Ian Byrne MSc MIOA Dip Environmental & Planning Law

Byrne Environmental Consulting Ltd
Redbog
Skryne Road
Dunshaughlin
Co. Meath

Mobile [REDACTED]
Phone 01-8024001
Email [REDACTED]
Web byrneenvironmental.ie

Environmental Monitoring-Assessment-Management

From: Seamus Hannon <Seamus.Hannon@irishrail.ie>
Sent: Wednesday 24 November 2021 11:58
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A vibration survey could only be conducted at the house to evaluate any vibrational impact,
Regards,
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Environmental Monitoring-Assessment-Management

From: Seamus Hannon <Seamus.Hannon@irishrail.ie>
Sent: Tuesday 23 November 2021 12:13
To: Ian Byrne <[REDACTED]>
Subject: Noise monitoring assessment Sallins

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Naas
Co Kildare
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Any questions just give me a call. Pedestrian access can be provided to track at the adjacent bridge.

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*Iarnród Éireann Irish Rail, cuideachta ghníomhaíochta ainmnithe, faoi theorainn scaireanna, cláraithe in Éirinn ag Stáisiún Uí Chonghaile, Baile Átha Cliath 1, Ur. 119571 Ur. CBL: IE 4812851 O.
Iarnród Éireann Irish Rail, a designated activity company, limited by shares, registered in Ireland at Connolly Station, Dublin 1, No. 119571 VAT No. IE 4812851 O*

*In Iarnród Éireann, creideann muid in obair sholúbtha a éascú, agus mar sin, cé go n-oireann sé dom ríomhphost a sheoladh anois, níl mé ag súil le freagra ná gníomh lasmuigh de d'uaireanta oibre.
At Iarnród Éireann we believe in facilitating flexible working, so while it suits me to email now, I do not expect a response or action outside of your own working hours.*

From: Ian Byrne
To: [Seamus Hannon](#)
Subject: Re: Noise monitoring assessment Sallins
Date: Monday 6 December 2021 12:34:16
Attachments: [image001.png](#)
[image001.png](#)
[image001.png](#)
[image001.png](#)

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Seamus I'll keep an eye on the forecast.
I can't do Friday until mid afternoon. If weather ok on Thursday would Thursday suit you?
Ian

Regards

Ian Byrne MSc MIOA Dip Environmental & Planning Law

Byrne Environmental Consulting Ltd
Redbog
Skryne Road
Dunshaughlin
Co. Meath

Mobile [REDACTED]
Phone 018024001
Email [REDACTED]
Web byrneenvironmental.ie

Environmental Monitoring-Assessment-Management

On Dec 6, 2021, at 12:24, Seamus Hannon <Seamus.Hannon@irishrail.ie> wrote:

Ok Ian,

Fair enough. Can you advise of a suitable window, would midday Friday be an option?

Regards,
[Seamus Hannon](#)

Assistant Engineer, Dublin West, Iarnród Éireann;
Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.
☎: +353 87 [REDACTED] ✉: seamus.hannon@irishrail.ie 🌐: www.irishrail.ie



From: Ian Byrne <[REDACTED]>
Sent: Monday 6 December 2021 12:20
To: Seamus Hannon <Seamus.Hannon@irishrail.ie>
Subject: Re: Noise monitoring assessment Sallins

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attachments unless you recognize the sender and know the content is safe.

Hi Seamus

I have looked at the forecast and the storm which is due tomorrow until Wednesday will impact the accuracy of the noise readings as a result of forecasted high winds. I recommend that we cancel tomorrow and will reschedule once calmer weather returns.

Ian

Regards

Ian Byrne MSc MIOA Dip Environmental & Planning Law

Byrne Environmental Consulting Ltd
Redbog
Skryne Road
Dunshaughlin
Co. Meath

Mobile [REDACTED]
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From: Ian Byrne
To: [Seamus Hannon](#)
Subject: RE: Noise monitoring assessment Sallins
Date: Wednesday 24 November 2021 09:47:50
Attachments: [image001.png](#)
[Proposal Ref 1955 IE Salins Noise Monitoring.pdf](#)

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Environmental Monitoring-Assessment-Management

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FEE PROPOSAL & METHOD STATEMENT

FOR

**SEAMUS HANNON
INFRASTRUCTURE DEPARTMENT
IARNROD EIREANN
INCHICORE
DUBLIN**

RELATING TO

ENVIRONMENTAL NOISE MONITORING

AT

SALINS CO. KILDARE

**Proposal Ref. 1955
24th November 2021**

Ken Byrne

Prepared by: Ian Byrne MSc MIOA, MSc Environmental & Planning Law

1.0 INTRODUCTION

This fee proposal has been prepared at the request of **Iarnrod Eireann** relating to the installation of a noise monitoring system in proximity to a residential receptor located at Salins Co, Kildare.

It is understood that noise monitoring is required to be conducted on a continuous 24 hour basis for a 7-day period and that technical noise assessment report is required following the survey.

2.0 CAPABILITY STATEMENT OF BYRNE ENVIRONMENTAL CONSULTING LTD

Byrne Environmental Consulting Ltd are a company specialising in the provision of noise, monitoring, management and impact assessment services to the Development, Construction and Civil Engineering Sectors and the Light rail and Main line rail transport sectors.

We have significant experience in the monitoring and management of rail construction / maintenance noise levels, noise complaint investigation and the provision of specialist advice on noise mitigation measures to the rail transport sector.

Ian Byrne (MSc Environmental Protection) (MIOA Member of the Institute of Acoustics) (Diploma in Environmental & Planning Law) has approximately 24 years experience as an Environmental Consultant working directly with Clients in the Construction and Development Industry. Ian Byrne is a “Competent Person” as defined in the *EPA’s Guidance Note for Noise: Licence Applications, Surveys and Assessments in Relation to Scheduled Activities (NG4)*.

Relevant Project Experience

We have previously conducted similar acoustic surveys for Iarnrod Eireann and have advised on appropriate noise mitigation measures to reduce the impact of noise on local residential receptors and provided an evaluation and characterisation of the local ambient noise climate.

3.0 UNDERSTANDING OF THE PROJECT

We understand that the project involves the following aspects:

Installation of 1 No. data logging continuous Class 1 noise monitoring system with live data view and text/email alert system capability and audio record capability to allow high noise events to be identified.

Provision of access to live on-line monitoring system of noise monitoring systems including training and advising the IE Project Team on noise control and mitigation measures.

Preparation of a noise assessment report following the completion of the 7-day survey which will include an evaluation of noise levels during the daytime, evening and nighttime periods and the characterisation of the local ambient noise climate.

Decommissioning of 1 No. noise monitoring system.

4.0 NOISE MONITORING METHODOLOGY

The noise monitoring survey shall be conducted according to *ISO 1996-1:2016 Part 1* and *ISO 1996-2:2017 Part 2, Acoustics – Description, Measurement and Assessment of Environmental Noise Parts 1-3, BS 5228 – 1:2009+A1 2014 Code of practice for noise and vibration control on open sites: Part 1 Noise* and with reference to the 2016 EPA publication, “*Guidance Note for Noise: Licence Applications, Surveys and Assessments in Relation to Scheduled Activities (NG4)*” during which noise levels shall be continuously monitored 24hrs/day/7days per week.

It is proposed that web based live continuous noise monitoring systems, *Sonitus Type EM2010* shall be installed at the closest receptors to the works areas and which shall record the continuous measurements of key noise parameters including L_{Aeq} and L_{AFmax} , L_{A90} , L_{A10} .

The secure online user interface will allow the Project Team to remotely access the noise measurement data at any time from the Sound Level Monitoring Systems.

The noise monitoring systems are capable of sending email and text alerts of exceedances of the specified noise limit criteria which will allow the Project Team or a delegate take immediate action to control a subject noise source / activity.

Reporting

The results of all recorded data shall be summarised in a technical assessment report which will interpret all recorded data particularly during periods when works are occurring and when they are not occurring.

Noise control and mitigation

Ian Byrne will support the IE project team throughout the course of the project and shall assist them as required on measures to reduce noise at the subject receptor.

Example of real time web-based noise level plot



Byrne Environmental
CONSULTING LTD

Ianrod Eireann
Salins Noise Monitoring Project - Fee Proposal Ref 1955

5.0 PROJECT FEE

It is proposed to complete the project for [REDACTED]

6.0 TERMS

This proposal is valid for a period of 2 months.

A PO# is required prior to the commencement of Project works.

Payment is strictly 30 days from date of monthly invoice

7.0 COMPANY DETAILS

7.1 References

If required, a list of references may be provided on request.

7.2 Contact Details

Ian Byrne (MSc, MIOA, Dip Environmental & Planning Law) Managing Director, Principal Consultant

Sandra Martin (BSc, MBA) Company Secretary

Mobile [REDACTED] (24 hours)
Office 01-8024001
Fax 01-8024001
Email [REDACTED]
Web www.byrneenvironmental.ie
Address Red Bog, Skryne Road, Dunshaughlin, Co. Meath

7.3 Company Information

Company Registration No. 426753
VAT Registration No. IE9575876i
Tax Clearance Certificate Vadid

7.4 Insurances

Public Liability €6.5 Million HUP169148525 Hiscox Insurance Valid until 08.10.22
Professional Indemnity €2.6 Million HUP169148525 Hiscox Insurance Valid until 08.10.22
Employers Liability €13 Million HUP169148525 Hiscox Insurance Valid until 08.10.22

7.5 Contractor Certificate of Competence & PTA

Ian Byrne holds a Contractor Certificate of Competence Expiry Date 2022-07-15

Ian Byrne holds a valid Permit to Access Expiry Date 17th September 2022 (PTA-163-2021-BEC)

Ref Appendix II

Byrne Environmental
CONSULTING LTD

Ianrod Eireann
Salins Noise Monitoring Project - Fee Proposal Ref 1955

APPENDIX I

2021 Certificate of Membership to the Institute of Acoustics



Certificate of Membership

This is to certify that

Ian Byrne

has been elected as a

Member

of the
Institute of Acoustics

*Given under the seal of the Institute
in accordance with the
Articles of Association and By-Laws*

President

A handwritten signature in blue ink, appearing to read "B. G. G.", positioned next to the word "President".

Institute Secretary

A handwritten signature in blue ink, appearing to read "J. H. G.", positioned next to the words "Institute Secretary".

Valid Until

31-01-2022

Membership Number

44543



The certificate remains the property of the Institute and shall be returned to the Institute on demand.
Membership of the Institute is subject to annual renewal

The Institute of Acoustics Limited, 3rd Floor, St Peter's House, 45-49 Victoria Street, St Albans, Hertfordshire AL1 3WZ
Tel: +44 (0)1727 848195 Fax: +44 (0)1727 850553 email: iso@ioa.org.uk www.ioa.org.uk

Limited by Guarantee and Registered in England, No. 1157240 Registered Charity No. 267026

Byrne Environmental
CONSULTING LTD

Ianrod Eireann

Salins Noise Monitoring Project - Fee Proposal Ref 1955

APPENDIX II

PERMIT TO ACCESS & CONTRACTOR CERTIFICATE OF COMPETENCE

CCE Permit-to-Access-Byrne Environmental Consulting



Contractor Name	Byrne Environmental Consulting
Address	Red Bog
	Skyrne Road
	Dunshaughlin
	Co. Meath

Dear Mr. Byrne

Please be advised that your Safety Submission in accordance with CCE-SMS-005 has been approved by a CCE Contractor review panel and you are now permitted supervised access to all CCE locations for the period detailed below.

Contractor Name	Service Details	Permit Period	Permit Unique No
Byrne Environmental Consulting	Plant/Labour services and/or minor civil engineering work	18 th of September 2021 to 17 th of September 2022	PTA_163_2021_BEC

Note that only staff and or plant detailed in this submission are permitted to access CCE Locations under the following conditions:

- Permission has been granted by a CCE supervisor to enter the CCE Location
- Permission has been granted by a CCE supervisor to commence work
- The appropriate railway protection arrangements are in place and approved by a CCE supervisor

Any additions or amendments must be notified to the Contractor Safety Manager at a minimum of seven calendar days prior to entry to any CCE work location.

Please ensure that this Permit-to-Access is issued to all Contractor Charge Persons for auditing purposes. This Permit-to Access may be subject to change or termination where a serious breach (or consistent minor breaches) of Safety & Health rules and or regulations are observed.

Issued by:

Date:

A handwritten signature in blue ink, appearing to be 'T.H.', on a light-colored background.

13th September 2021

Contractor Safety Manager

CCE-SMS-005 Permit-to-Access

Byrne Environmental
CONSULTING LTD

Iarnrod Eireann
Salins Noise Monitoring Project - Fee Proposal Ref 1955

**CONTRACTOR CERTIFICATE
OF COMPETENCE**



Iarnród Éireann
Infrastructure



CERT

EXPIRES

PTS

2022-07-15

Medical (Level 3)

2025-06-20

Name: Ian Byrne

IM: 15-07-2019-7379



NOT VALID FOR TRAVEL CONCESSIONS

Byrne Environmental
CONSULTING LTD

Iarnród Éireann
Salins Noise Monitoring Project - Fee Proposal Ref 1955

From: Ian Byrne
To: [Seamus Hannon](#)
Subject: RE: RFQ - Sallins further surveys
Date: Saturday 15 January 2022 10:15:01
Attachments: [image001.png](#)
[IB Sallins RFQ input 15.01.22.docx](#)

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Seamus,

Further to reviewing the draft RFQ, have attached a re-worded Section 1.1.2 and 2.1.

I recommend that internal noise and vibration measurements and the external air overpressure measurements are conducted as attended surveys for 12 No. train movements. This will allow more accurate readings to be obtained that may otherwise be compromised by accidental interference with the equipment or internal domestic noise and movements and will also allow observations by the consultant to be made on the nature and extent of the impacts.

Let me know if you have any comments.

Regards,
Ian

Ian Byrne MSc MIOA Dip Environmental & Planning Law

Byrne Environmental Consulting Ltd
Redbog
Skryne Road
Dunshaughlin
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Mobile [REDACTED]
Phone 01-8024001
Email [REDACTED]
Web byrneenvironmental.ie

Environmental Monitoring-Assessment-Management

From: Seamus Hannon <Seamus.Hannon@irishrail.ie>
Sent: Friday 14 January 2022 16:02
To: Ian Byrne <[REDACTED]>
Subject: RFQ - Sallins further surveys

Hi Ian,

Following on from our meeting the other day – please see attached draft tender docs I was hoping to issue out. Can you advise please if I have referenced the air pressure monitor correctly

or any other things that may pop up as you read through.

Regards,
Seamus Hannon

Assistant Engineer, Dublin West, Iarnród Éireann;
Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.
☎: +353 87 [REDACTED] ✉: seamus.hannon@irishrail.ie 🌐: www.irishrail.ie



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1.1.2

Installation of live data logging noise (with audio record functionality) and vibration monitoring systems for a continuous 7-day period at 2 locations. Location 1 Private residence at Sallins, Location 2 Sherlockstown Compound.

Completion of attended Air Over Pressure surveys at Location 1 (external rear façade of residence) for 12 no. Train Pass-By Movements (6no. up-road & 6no. down-road movements).

Completion of an attended noise and vibration surveys within Location 1 for 12 no. Train Pass-By Movements (6no. up-road & 6no. down-road movements).

Preparation of an interpretative technical assessment report detailing the results of the surveys and the noise, vibrational impacts and air over-pressure impacts that passing train movements may have on Location 1.

2.1

Noise Monitoring

2 No. live data logging noise monitoring systems with audio record functionality to identify train movement events. Live access to data to be provided to IE Project Team. (1 No. noise monitor installed at the external façade of the private residence closest to the train line, 1 No. noise monitor to be installed at Sherlockstown Compound location).

1 No. hand held noise monitor to conduct attended internal measurements for 12 No. train pass-by events. (6 No. up-road & 6 No. down-road)

Vibration Monitoring

2 No. live data logging vibration monitoring systems. Live access to data to be provided to IE Project Team. (1 No. vibration monitor installed at external façade of private residence closest to the train line. 1 No. vibration monitor to be installed at Sherlockstown Compound location).

1 No. vibration monitor to conduct attended internal measurements for 12 No. train pass-by events. (6 No. up-road & 6 No. down-road)

Air Over Pressure Monitoring

1 No. Air Over Pressure monitoring system to conduct attended external measurements at rear façade of private residence for 12 No. train pass-by events. (6 No. up-road & 6 No. down-road)

Reporting

Preparation of an interpretative technical assessment report detailing the results of the surveys and the noise, vibrational impacts and air over-pressure impacts that passing train movements may have on Location 1.

The assessment and interpretation of the recorded data will be conducted in accordance with relevant guidance and standards.

Based on the assessment of the survey results, recommendations on potential mitigation measures shall be included in the interpretative technical assessment report.

From: Ian Byrne
To: [Seamus Hannon](#)
Subject: RE: Sherlockstown noise and vibration study
Date: Monday 14 February 2022 15:47:31
Attachments: [image001.png](#)

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Hi Seamus and thank you for the go ahead and PO#.

I am looking at the weather forecast an hight winds are prevalent this week so it would be better to install next week should more appropriate conditions prevail.

Regards,

Ian

Ian Byrne MSc MIOA Dip Environmental & Planning Law

Byrne Environmental Consulting Ltd
Redbog
Skryne Road
Dunshaughlin
Co. Meath

Mobile [REDACTED]
Phone 01-8024001
Email [REDACTED]
Web byrneenvironmental.ie

Environmental Monitoring-Assessment-Management

From: Seamus Hannon <Seamus.Hannon@irishrail.ie>
Sent: Monday 14 February 2022 14:41
To: Ian Byrne <[REDACTED]>
Subject: Sherlockstown noise and vibration study

Hi Ian,

PO 4501224226 – refers to RFQ 18725. Can you let me know when a suitable date arises to complete same and I will arrange necessary track protection.

Regards,
Seamus Hannon

Assistant Engineer, Dublin West, Iarnród Éireann;
Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.
☎: +353 87 [REDACTED] ✉: seamus.hannon@irishrail.ie 🌐: www.irishrail.ie



*Iarnród Éireann Irish Rail, cuideachta ghníomhaíochta ainmnithe, faoi theorainn scaireanna, cláraithe in Éirinn ag Stáisiún Uí Chonghaile, Baile Átha Cliath 1, Ur 119571 Ur CBL: IE 4812851 O,
Iarnród Éireann Irish Rail, a designated activity company, limited by shares, registered in Ireland at Connolly Station, Dublin 1,
No 119571 VAT No IE 4812851 O*

*In Iarnród Éireann, creideann muid in obair sholúbtha a éascú, agus mar sin, cé go n-oireann sé dom ríomhphost a sheoladh anois, níl mé ag súil le freagra ná gníomh lasmuigh de d'uaireanta oibre
At Iarnród Éireann we believe in facilitating flexible working, so while it suits me to email now, I do not expect a response or action outside of your own working hours*

From: Ian Byrne
To: [Seamus Hannon](#)
Subject: Sherlockstown Noise & Vibration Report
Date: Friday 6 May 2022 08:15:27
Attachments: [IE Sherlockstown Noise & Vibration Assessment Report April 22.pdf](#)

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Morning Seamus,
Please note the attached report for your review and comment.
Regards,
Ian

Ian Byrne MSc MIOA Dip Environmental & Planning Law

Byrne Environmental Consulting Ltd
Redbog
Skryne Road
Dunshaughlin
Co. Meath

Mobile [REDACTED]
Phone 01-8024001
Email [REDACTED]
Web byrneenvironmental.ie

Environmental Monitoring-Assessment-Management

NOISE & VIBRATION MONITORING SURVEY REPORT

FOR

**SEAMUS HANNON
CCE REGIONAL MANAGER OFFICE
HEUSTON STATION
DUBLIN 8**

RELATING TO

TRAIN PASS-BY EVENTS

BETWEEN

26TH APRIL – 2ND MAY 2022

AT

SHERLOCKSTOWN, CO. KILDARE

6th May 2022

Ken Byrne

Prepared By: Ian Byrne MSc, MIOA, Dip. Environmental & Planning Law

1.0 INTRODUCTION & SCOPE

This report has been prepared on behalf of Iarnrod Éireann and presents the results of continuous noise and vibration surveys conducted in proximity to the Dublin-Cork rail line at the Sherlockstown Compound, Co. Kildare between 26th April – 2nd May 2022.

The purpose of this report was to monitor and assess the typical noise and vibration levels that would be experienced at residential receptors located in proximity to the Dublin-Cork rail line along an approximate 1km distance between Sherlockstown and the outskirts of Salins, Co. Kildare.

2.0 EXPERIENCE OF IAN BYRNE MIOA (MEMBER OF THE INSTITUTE OF ACOUSTICS)

The noise and vibration monitoring surveys and assessment were conducted by Ian Byrne, Principal Acoustic Consultant of Byrne Environmental Consulting Ltd who is Member of the Institute of Acoustics (MIOA) and meets the criteria for a “competent person” as defined by the EPA in their 2016 EPA publication, “*Guidance Note for Noise: Licence Applications, Surveys and Assessments in Relation to Scheduled Activities (NG4)*”.

Byrne Environmental Consulting Ltd have significant experience monitoring and assessing noise and vibration associated with operational mainline and light rail systems.

3.0 MONITORING METHODOLOGIES

3.1 NOISE MONITORING METHODOLOGY

Noise monitoring was conducted according to *ISO 1996-2 2017 Acoustics – Description, Measurement and Assessment of Environmental Noise Parts 1-3*.

A *Sonitus EM2010* Class 1 web based live continuous noise monitoring system was utilised to record the continuous measurements of key noise parameters including L_{Aeq} and L_{AFmax} , L_{A90} , L_{A10} at the subject location.

3.2 VIBRATION MONITORING METHODOLOGY

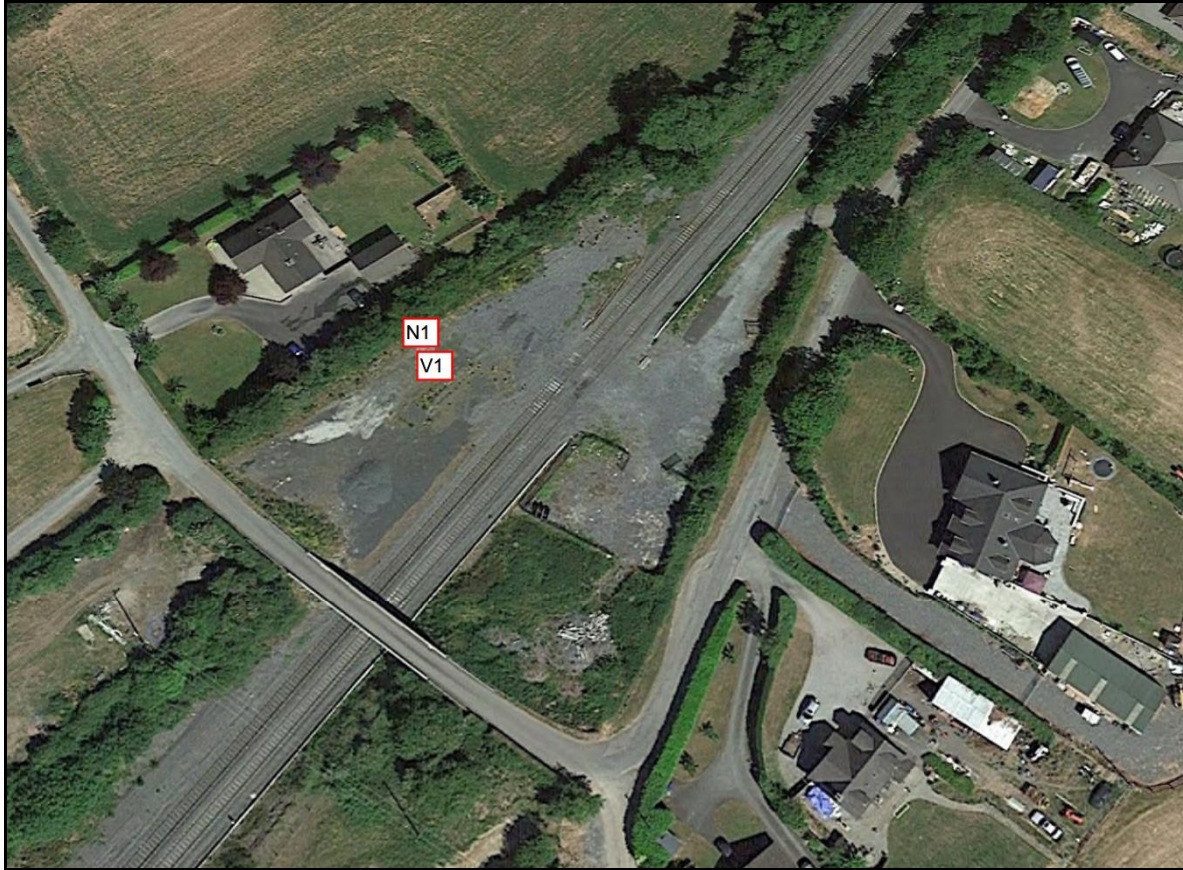
Vibration monitoring was conducted in accordance with *BS 7385 Evaluation and measurement for vibration in buildings: Part 1 1990 Guide for measurement of vibrations and evaluation of their effect on buildings* and *BS 7385 Evaluation and measurement for vibration in buildings: Part 2 1993 Guide to damage levels arising from ground borne vibration*.

An *AVA Trace M60* data logging vibration monitoring system was utilised to record Peak Particle Velocity (PPV) values

4.0 NOISE & VIBRATION MONITORING LOCATION

The noise and vibration monitoring systems were located c. 20m from the rail track as shown in Figure 1.

Figure 1 Sherlockstown Noise (N1) & Vibration (V1) Monitoring Locations



5.0 NOISE & VIBRATION SURVEY RESULTS

The daily noise and vibration measurements are presented in graphical format in Appendix I and discussed in Section 6.0.

6.0 EVALUATION OF RESULTS

6.1 VIBRATION ASSESSMENT

Table 1 details the limits above which cosmetic damage could occur for transient vibration. Minor damage is possible at vibration magnitudes which are greater than twice those shown in Table 1, and major damage to a building structure would only generally occur at values greater than four times the tabulated values. These values only relate to transient vibration events such as a train pass-by.

Vibration guidance is reproduced from *BS 5228-2:2009+A1 2014 – Code of Practice for Noise and Vibration Control on Construction and Open Sites: Part 2 – Vibration* and *BS 7385-2:1993 – Evaluation and Measurement for Vibration in Buildings: Part 2 – Guide to Damage Levels from Groundborne Vibration*.

Table 1 Transient vibration guide values for cosmetic damage

Type of building	PPV (mm/s) in frequency range of predominant pulse	
	4-15Hz	15Hz and above
Reinforced or framed structures. Industrial and heavy commercial buildings.	50mm/s at 4Hz and above.	50mm/s at 4Hz and above.
Unreinforced or light framed structures. Residential or light commercial buildings.	15mm/s at 4Hz increasing to 20mm/s at 15Hz.	20mm/s at 15Hz increasing to 50mm/s at 40Hz and above.

The measured vibrations levels are significantly below the threshold that could cause damage to a property.

Table 2 outlines the vibration levels (in terms of PPV) their likely effect on humans.

Table 2 Guidance on the effect of vibration levels on humans

Vibration Level (PPV)	Effect
0.14mm/s	Vibration might be just perceptible in the most sensitive situations for most vibration frequencies associated with construction. At lower frequencies, people are less sensitive to vibration.
0.30mm/s	Vibration might be just perceptible in residential environments.
1.0mm/s	It is likely that vibration of this level in residential environments will cause complaint, but can be tolerated if prior warning and explanation has been given to residents.
10mm/s	Vibration is likely to be intolerable for any more than a very brief exposure to this level.

The measured vibration levels at c.20m from the rail track range between 0.56 to 1.01 mm/sec PPV.

6.2 NOISE ASSESSMENT

The objectives of the Kildare Noise Action Plan 2019 - 2023 (KNAP) are to avoid, prevent and reduce on a prioritised basis, where necessary, the harmful effects due to long term exposure to environmental noise. This can be achieved by taking a strategic approach to managing environmental noise and following a balanced approach in the context of sustainable development.

The KNAP proposes noise levels thresholds for this assessment of 70 dB (A) Lden, and 57 dB(A) Lnight for both "Major Roads" and "Major Railways", as agreed between the relevant Local Authorities and Transport Infrastructure Ireland and are those recommended by the EPA. These limits are arbitrary at present as there is no existing legislation that limits environmental noise to a particular value.

EPA GIS Rail noise modelled data is presented in Tables 3 & 4 showing the impact of rail noise expressed as Lden and Lnight values.

Lden values are below the associated threshold limit of 70 dB (A) Lden and Lnight values at the subject receptor are slightly above the threshold limit of 57 dB(A).

7.0 CONCLUSIONS

The results of the noise and vibration surveys indicate that the passing of trains dominate the noise climate at the monitoring location and that passing trains generate a measurable vibration at a distance of c. 20m from the rail line.

The daily noise and vibration graphs (Appendix I) show correlation between passing train noise and associated vibration levels at the monitoring location.

The daily noise and vibration graphs (Appendix I) show consistency of noise and vibration levels on a daily basis during the operation of normal train services.

The Day, Evening, Nighttime noise levels (Lden) at location N1 between (24hrs) are below the KNAP's threshold limit.

The Nighttime noise levels (Lnight) at location N1 between (23:00 – 07:00hrs) can slightly exceed the KNAP's threshold limit.

The EPA's Round 3 rail noise mapping data demonstrates consistency of train movement noise along an approximate 1km distance along which there are a number of residential receptors located in proximity to the rail line which would be exposed to similar noise and vibration levels as measured at monitoring locations N1 and V1.

Figure 3 Lden 65 - 69dB at Sherlockstown monitoring location N1



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Figure 4 Lnight 55 - 59dB Sherlockstown monitoring location N1

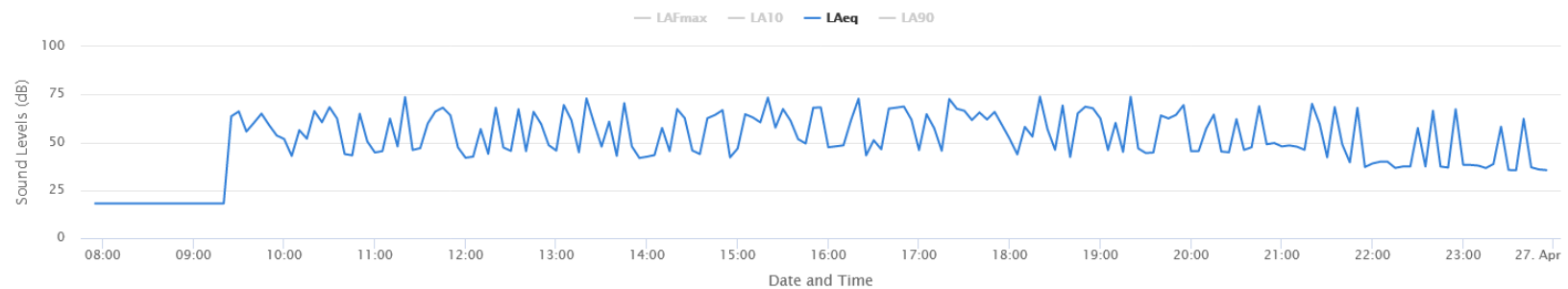


APPENDIX I

Daily (24-hour) Noise & Vibraton Graphs

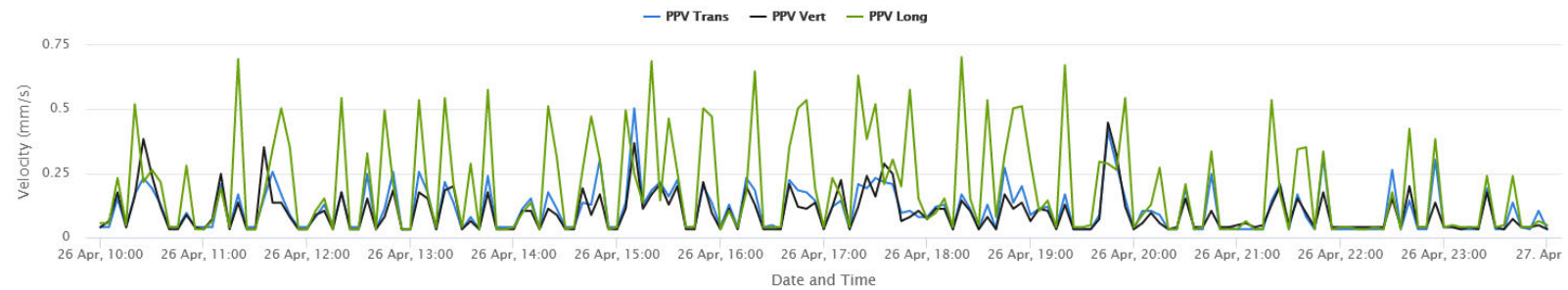
 REAL TIME DATA  HOURLY AVERAGES

Sound Levels at Noise 599: site



 REAL TIME DATA

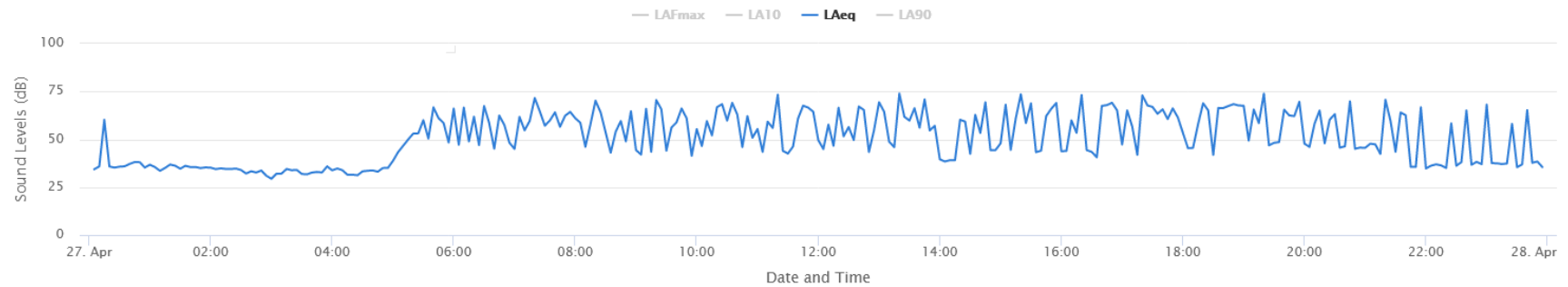
Vibration Levels at Byrne V1 : Site



REAL TIME DATA

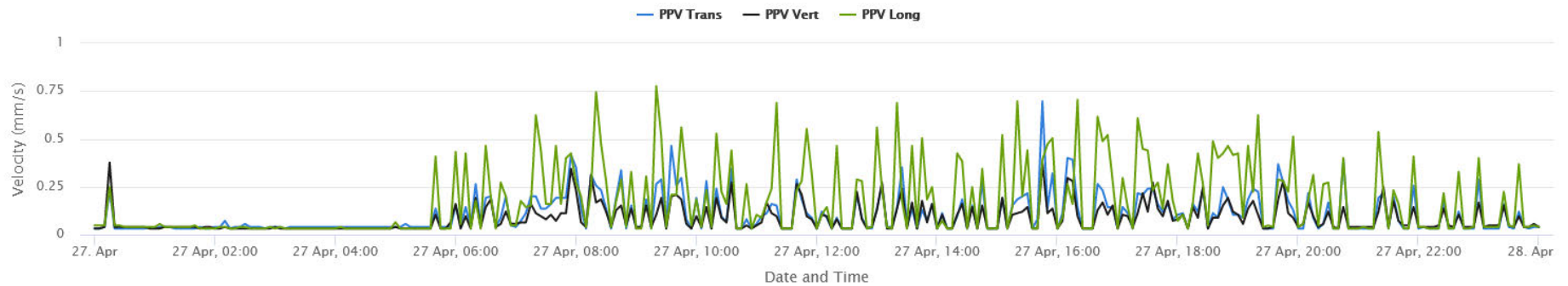
HOURLY AVERAGES

Sound Levels at Noise 599: site



REAL TIME DATA

Vibration Levels at Byrne V1 : Site



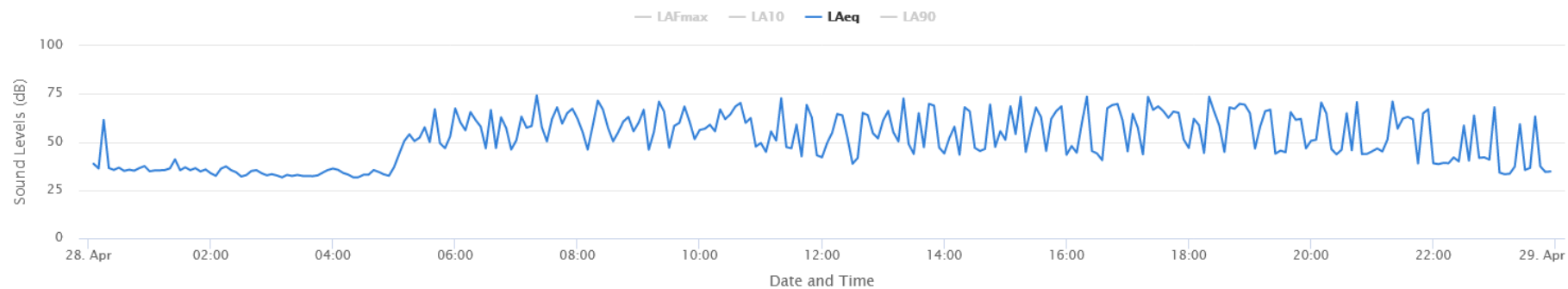
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REAL TIME DATA

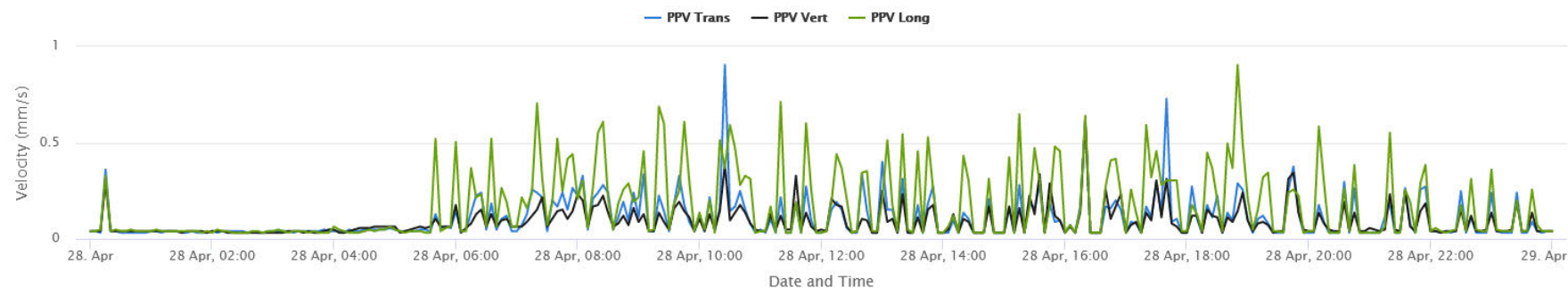
HOURLY AVERAGES

Sound Levels at Noise 599: site



REAL TIME DATA

Vibration Levels at Byrne VI : Site



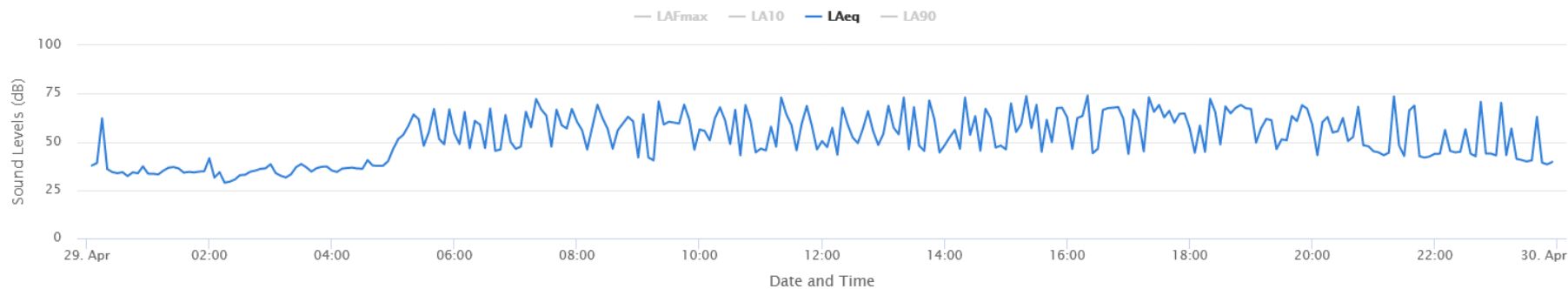
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REAL TIME DATA

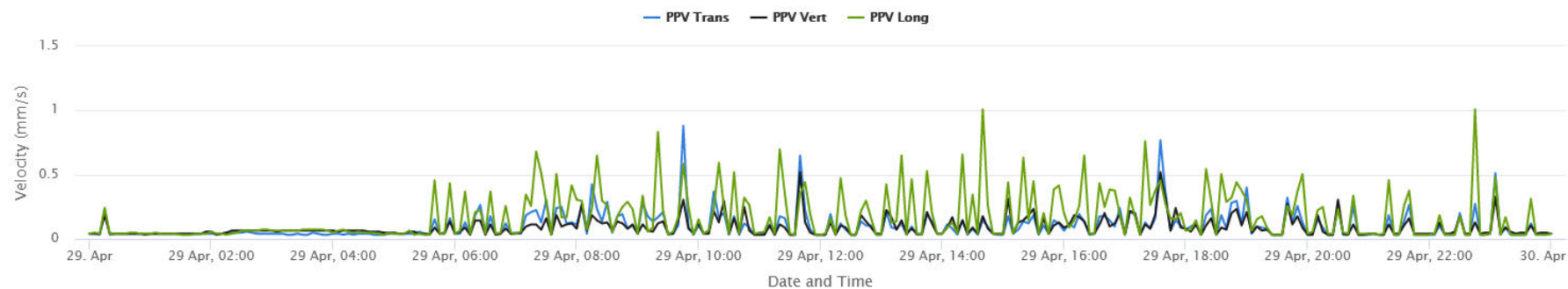
HOURLY AVERAGES

Sound Levels at Noise 599: site



REAL TIME DATA

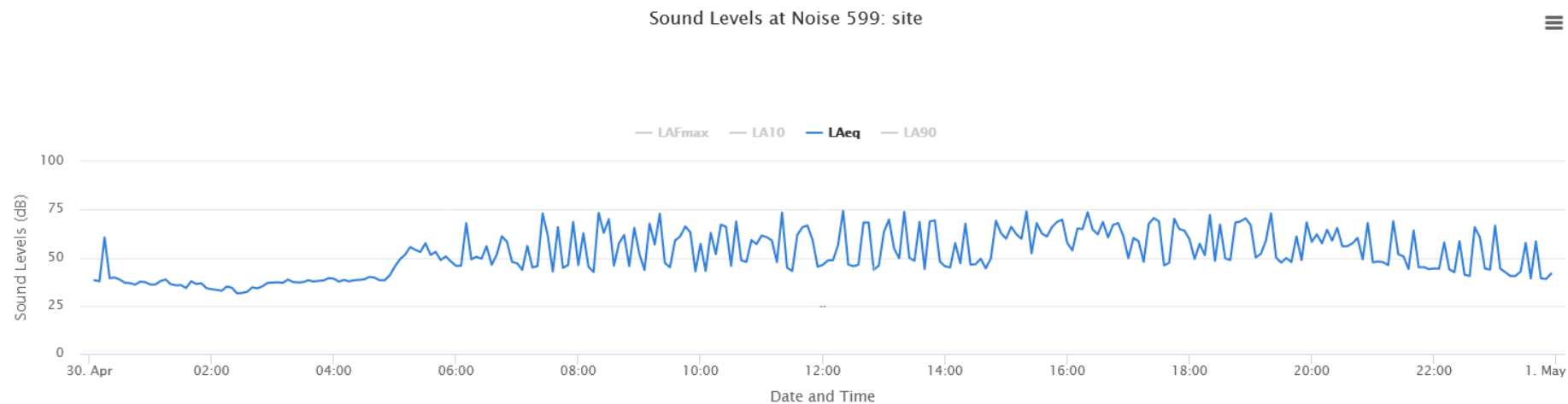
Vibration Levels at Byrne VI : Site



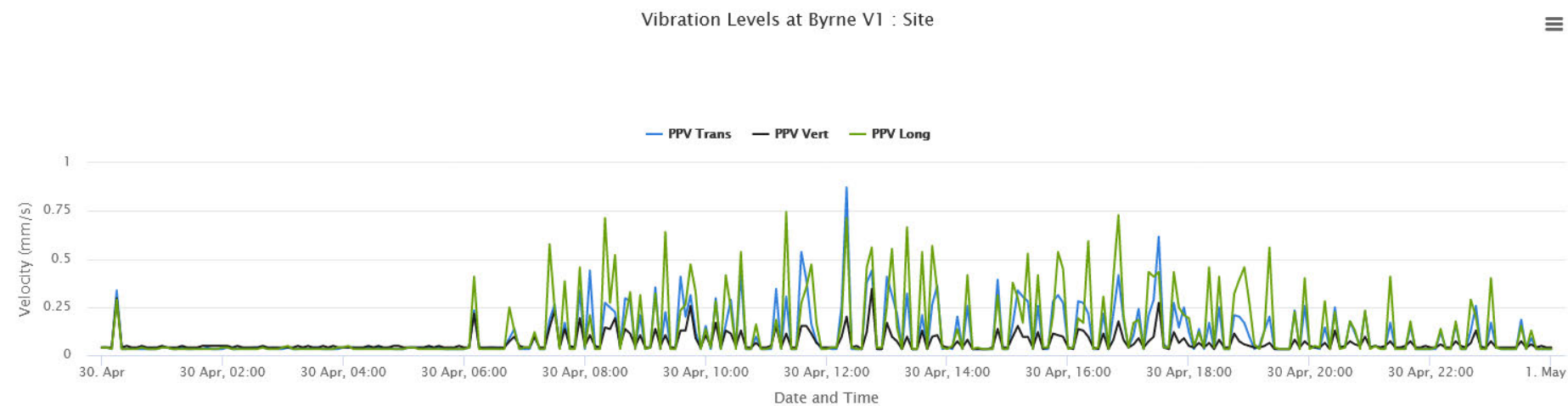
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REAL TIME DATA HOURLY AVERAGES



REAL TIME DATA



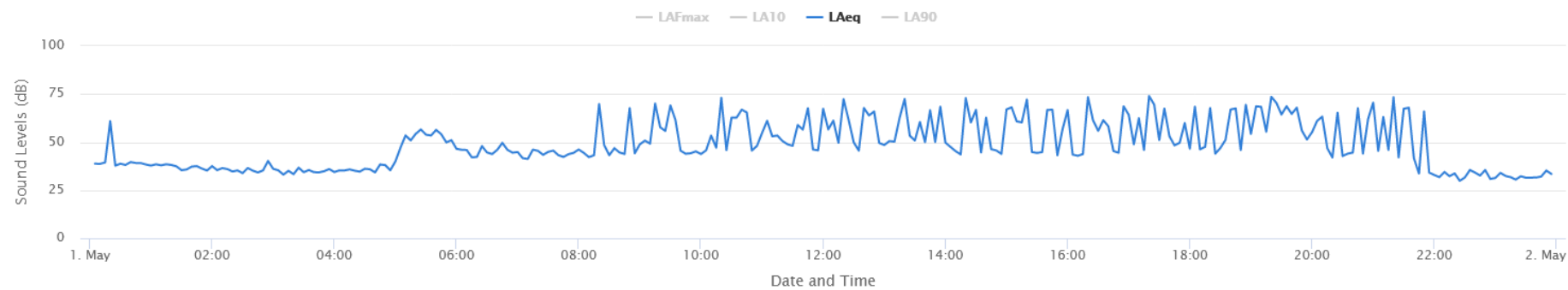
Byrne Environmental
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Iarnod Eireann
Sherlockstown - Noise & Vibration Survey Report – April-May 2022

REAL TIME DATA

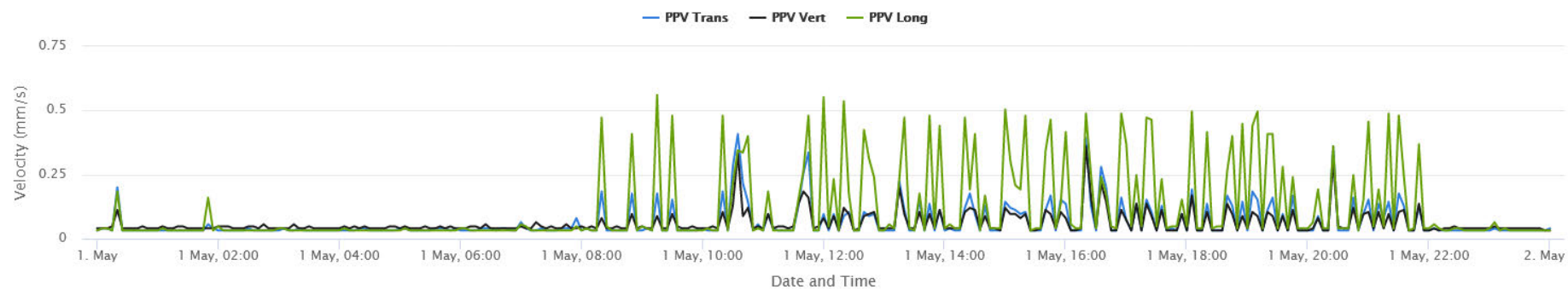
HOURLY AVERAGES

Sound Levels at Noise 599: site



REAL TIME DATA

Vibration Levels at Byrne V1 : Site



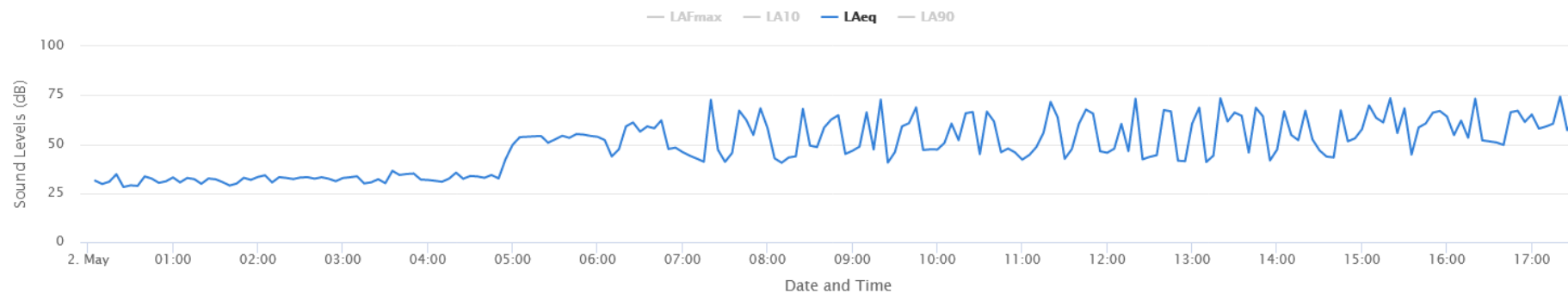
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REAL TIME DATA

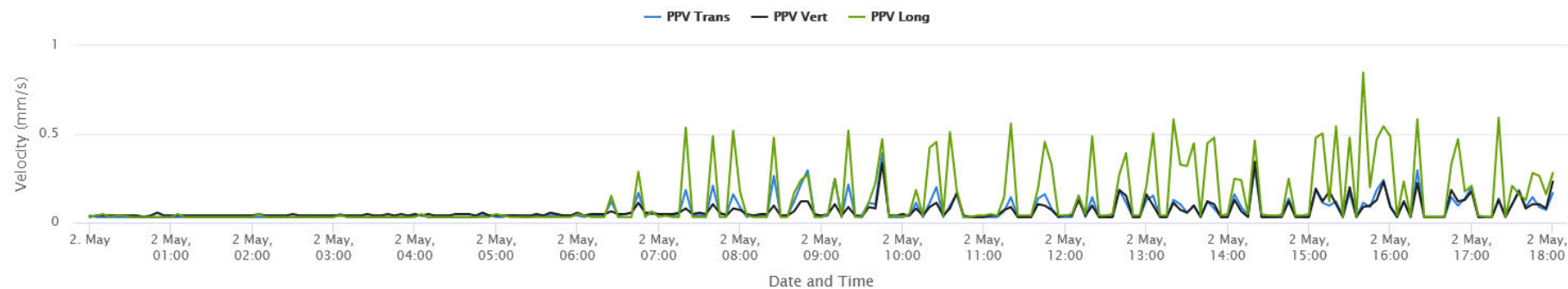
HOURLY AVERAGES

Sound Levels at Noise 599: site



REAL TIME DATA

Vibration Levels at Byrne V1 : Site



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CONSULTING LTD

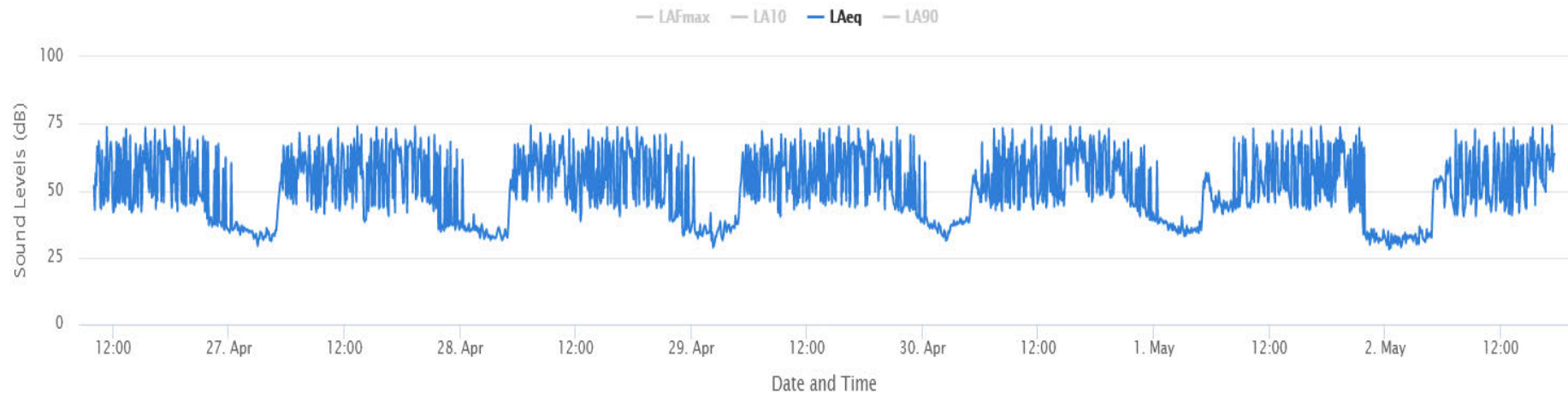
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7-day continuous noise data

Monitor	Start	End	Plot chart
Noise 599: site	26-04-2022 10:00	02-05-2022 18:00	

 REAL TIME DATA  HOURLY AVERAGES

Sound Levels at Noise 599: site



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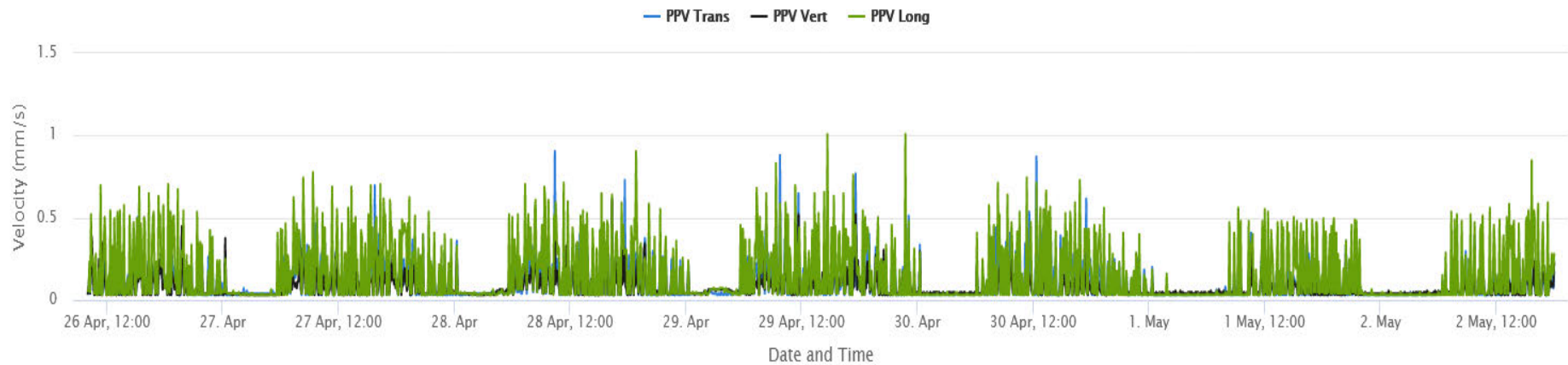
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7-day continuous vibration data

Monitor	Start	End	Plot chart
Byrne V1 : Site	26-04-2022 10:00	02-05-2022 18:00	

REAL TIME DATA

Vibration Levels at Byrne V1 : Site



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Hourly Average Noise Levels as LAeq, 1-hr values between 26th April – 2nd May 2022

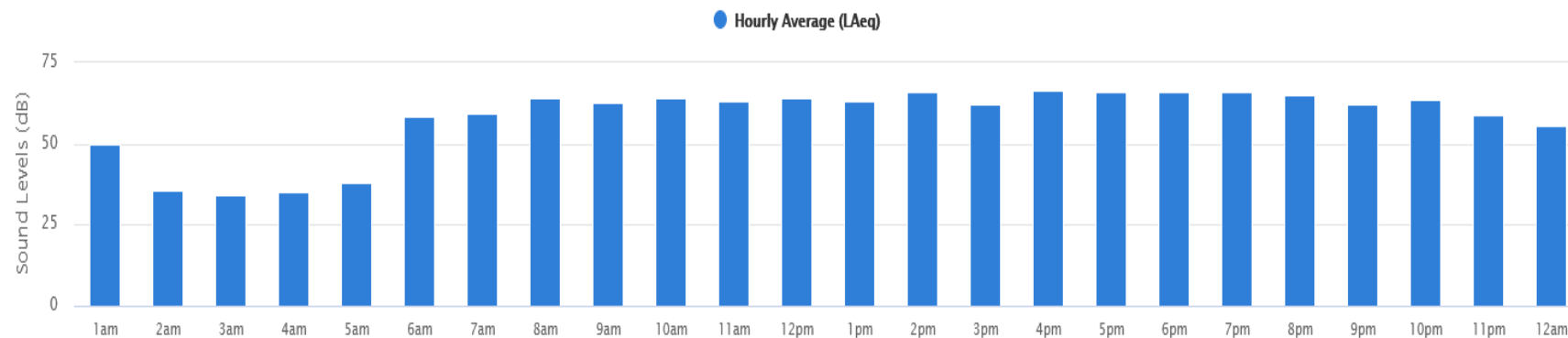
Monitor	Start	End	Plot chart
Noise 599: site	26-04-2022 10:00	02-05-2022 18:00	

REAL TIME DATA

HOURLY AVERAGES

Hourly Averages at Noise 599: site

Average sound levels (LAeq) for each hour of the day. If multiple days are selected, then readings for the timeframe are averaged.



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APPENDIX II

Institute of Acoustics Certificate



Certificate of Membership

This is to certify that

Ian Byrne

has been elected as a

Member

of the
Institute of Acoustics

*Given under the seal of the Institute
in accordance with the
Articles of Association and By-Laws*

President

A handwritten signature in black ink, appearing to read "Stephen Turner".

Institute Secretary

A handwritten signature in black ink, appearing to be a stylized name.

Valid Until

28-02-2023

Membership Number

44543



The certificate remains the property of the Institute and shall be returned to the Institute on demand.
Membership of the Institute is subject to annual renewal

The Institute of Acoustics Limited, 3rd Floor, St Peter's House, 45-49 Victoria Street, St Albans, Hertfordshire AL1 3WZ
Tel: +44 (0)1727 848195 Fax: +44 (0)1727 850553 email: ico@ioa.org.uk www.ioa.org.uk

Limited by Guarantee and Registered in England, No. 1157240 Registered Charity No. 267026

From: [Seamus Hannon](#)
To: [Ian Byrne](#)
Subject: Noise monitoring assessment Sallins
Date: Tuesday 23 November 2021 12:12:00
Attachments: [Re URGENT - LYNHILL - STILL NO IMPROVEMENT AND NOW BEING HANDED OVER.msg](#)
[image001.png](#)
[Sallins w91 x3ka.PNG](#)
[Sallins w91 x3ka. pic.jpg](#)

Hi Ian,

As discussed over the phone earlier. We have 1 particular resident in Sallins that is constantly on to us about noise and disturbances. You can see from the thread attached (just for yourself for information only please) that it has been going on quite a while. I have some photos included in mail attached.

The property is located at; [W91 X3KA - Google Maps](#)
Lynhill
Church Avenue
Kerdiffstown
Naas
Co Kildare
W91 X3KA

I was hoping to set up 1 week of noise monitoring to get some data as to the severity of the situation and from that an assessment of mitigation measures if any we could possibly introduce. The house is on an embankment above the track and as crow flies is 21m from the nearest track. We completed packing to track, rerailed a long section, removed a damaged block joint and topped up ballast so from a track maintenance point of view there is very little more we can do. She has requested noise barriers/fencing but I am not sure it would be any benefit given the height of her property above the track.

Any questions just give me a call. Pedestrian access can be provided to track at the adjacent bridge.

Regards,
Seamus Hannon

Assistant Engineer, Dublin West, Iarnród Éireann;
Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.
✉: seamus.hannon@irishrail.ie 🌐: www.irishrail.ie



From: [Seamus Hannon](#)
To: [Karl Sutton](#); [Mark Kavanagh](#)
Cc: [Gary Donohoe](#)
Subject: Re: URGENT - LYNHILL - STILL NO IMPROVEMENT AND NOW BEING HANDED OVER
Date: Monday 22 November 2021 11:54:25
Attachments: [image001.png](#)
[image002.png](#)
[image003.jpg](#)
[image004.png](#)
[Image.jpeg](#)
[Image.jpeg](#)
[Image.jpeg](#)
[Image.jpeg](#)

I'm confused by this one folks. Attached are photos from this morning at location (that is house in background of 3rd photo). Veg is quite established here on an embankment not sure a noise barrier would be any addition. House is also well above track so not sure vibration would be excessive. Some tree limbs were trimmed back based on recent arborist report but area remains private except in one spot in photo 1 below, but house is looking down on track. Customers in trains would not be able to see into property from train. House is behind points SS816 but as loco when over whilst I was here no notice of any unusual excessive noise. Trains do blow horns approaching station that is all I can think off. I did not witness but maybe trains stall here before continuing into station - would this be a question for operations? I have a video I will send on separately.



Regards,

Seamus Hannon



From: Cormac Carroll <Cormac.Carroll@irishrail.ie>
Sent: Monday, November 22, 2021 9:25:09 AM
To: Seamus Hannon <Seamus.Hannon@irishrail.ie>
Subject: FW: URGENT - LYNHILL - STILL NO IMPROVEMENT AND NOW BEING HANDED OVER

Hi Seamus,

Awkward one for ya!!! Any update on the below?

Regards,
Cormac

From: Karl Sutton <Karl.Sutton@irishrail.ie>
Sent: Monday 22 November 2021 09:19
To: Cormac Carroll <Cormac.Carroll@irishrail.ie>
Subject: FW: URGENT - LYNHILL - STILL NO IMPROVEMENT AND NOW BEING HANDED OVER

Hi Cormac,

Please see complaint below.

Can you please advise?

Regards,

Karl

[Karl Sutton](#)



Community Liaison Officer, Iarnród Éireann;

Infrastructure Manager's Department, CCE Regional Office, Pearse Station, Dublin 2.

☎: 01 703 4538 📞: + 📧: Karl.Sutton@irishrail.ie 🌐: www.irishrail.ie



From: Janice Epstein <[REDACTED]>

Sent: Friday 19 November 2021 17:58

To: Karl Sutton <Karl.Sutton@irishrail.ie>

Subject: RE: URGENT - LYNHILL - STILL NO IMPROVEMENT AND NOW BEING HANDED OVER

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From: Janice Epstein

Sent: 19 November 2021 17:53

To: Community Liaison <Community.Liaison@irishrail.ie>

Subject: RE: URGENT - LYNHILL - STILL NO IMPROVEMENT AND NOW BEING HANDED OVER

Hi Karl,

Thank you for coming back to me on the 5th November.

It is the 19th November.

Still no word.

I am really not sure why.

1. Engineer called and said they were seeing to tracks
2. Said to tell them if it made any difference
3. Then they cut back vegetation
4. Now its even worse

The upshot now is: what started as rumbling and vibrations and noise ON SOME OF THE VERY LARGE HORRIBLE FREIGHT TRAINS is now an absolute DISGRACE. The foliage of the trees and branches was at least providing – IF NOTHING ELSE – at least some small relief and I did not have to ADD SEEING THE RUDDY TRAINS TO THE LIST OF ISSUES. Now, the noise has ABSOLUTELY NO BUFFER. I CAN NOW CLEARLY SEE THE PASSENGERS IN THE ACTUAL TRAINS.

All I wanted and have now begged for is fencing to prevent all this.

And the cheek of one of your colleagues to send me a pathetic response which was clearly copied and pasted from the website and claiming that acoustic fencing DOES NOT WORK AND IS NOT USED BY IRISH RAIL. I investigated her claim and found out that is entirely and utterly incorrect and that the fences I was referring to is being bought and used countrywide according to the supplier.

Is this the kind of respect afforded the public?

Months and months of utter exhaustion and desperation.

Months and months of phone calls and emails.

Please can you help me?

Thanks,

Janice

From: Community Liaison <Community.Liaison@irishrail.ie>

Sent: 05 November 2021 08:22

To: Janice Epstein <[REDACTED]>

Subject: RE: URGENT - I SIMPLY CANNOT LIVE LIKE THIS ANYMORE

Hi Janice,

Thank you for your email.

I have forwarded on your email to the relevant department and when they come back with an answer I will revert.

Kind regards,

Karl

Karl Sutton



Community Liaison Officer, Iarnród Éireann;

Infrastructure Manager's Department, CCE Regional Office, Pearse Station, Dublin 2.

☎: 01 703 4538 ✉: Karl.Sutton@irishrail.ie 🌐: www.irishrail.ie



From: Janice Epstein <[REDACTED]>

Sent: Friday 5 November 2021 00:14

To: Community Liaison <Community.Liaison@irishrail.ie>; community.liason@irishrail.ie; Communications <Communications@irishrail.ie>

Subject: FW: URGENT - I SIMPLY CANNOT LIVE LIKE THIS ANYMORE

Importance: High

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Urgent

Dear Sirs,

I note still no courtesy of a response despite emails and phone calls.

I will NOT accept that it is normal for the ground to shake when trains go by.

I will NOT accept that this is acceptable level of disturbance.

Fix this immediately.

If no response is received within the next 14 days, this entire matter will be turned over to my solicitors.

Crowley Millar Solicitors

2 – 3 Exchange Place

IFSC

Dublin 1

Janice

Janice Epstein | Director of Finance

Institute of International and European Affairs

8 North Great Georges Street, Dublin 1, D01 R5Y3

Tel: +353 1 874 6756 [REDACTED]

Email: janice.epstein@iiea.com

iiea.com | Sharing Ideas Shaping Policy



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From: Janice Epstein
Sent: 06 October 2021 23:13
To: community.liaison@irishrail.ie; communications@irishrail.ie
Subject: FW: URGENT - I SIMPLY CANNOT LIVE LIKE THIS ANYMORE

From: Janice Epstein
Sent: 06 October 2021 23:10
To: community.liaison@irishrail.ie
Subject: RE: URGENT - I SIMPLY CANNOT LIVE LIKE THIS ANYMORE

URGENT – URGENT - URGENT

Resident of:
Lynhill
Church Avenue
Kerdiffstown
Naas
Co Kildare
W91 X3KA



Daniel O'Dowd has been emailing and phoning you on my behalf as I am just not able to deal with this.
And after every promise to send an engineer out and to do something about the SHEER UNACCEPTABLE LEVEL OF NOISE,
SHAKING, VIBERATION AND SHUDDERING and nothing.
All our efforts to engage and find a solution has been treated with utter disdain and complete disrespect.

We complained and received an appalling email from your Nicole in the office to say that essentially what is I am crying about

at night is utter rubbish.

Your gentleman came to drop in a letter about vegetation and I literally cried when I saw him and spoke to him. He promised to speak to you.

Daniel – after emails – received a call from your office to say ENGINEERS SAID THERE WAS SOMETHING WRONG AND THAT IT WOULD BE FIXED – NOTHING.

Now it is getting WORSE AGAIN SINCE THE LAST 2 WEEKS AGAIN AGAIN AGAIN.

I want an engineer out immediately to experience what I am experiencing.
And I want something done about this.

I spend most nights crying myself to sleep. Waking exhausted. A single mother that is almost 60 years old.
I cannot take this anymore.

What I cannot understand is the simple lack of respect. Why can you not answer an email? Why can you not return a phone call?

If this was your mother and she was treated with utter disdain, how would you feel?

It is not fair.

I accept that transport networks are essential. BUT that cannot be at the cost of living conditions.
Your website promises reasonable – yes reasonable levels and this is not reasonable.

I am now begging you.
Please honour what you promised. Send an engineer out.

The embankment needs attention as a matter of urgency.
The level of track and stones cushioning the trains wheels need to be backfilled and increased substantially.
Now that you have trimmed the vegetation – despite my objections – the noise level is atrocious. This needs proper fencing like the one you have in Tallaght, broomfield etc.

I am suffering from stress, anguish, lack of sleep, tension headaches and all related to wait for the next shudder.

It is simply not fair.

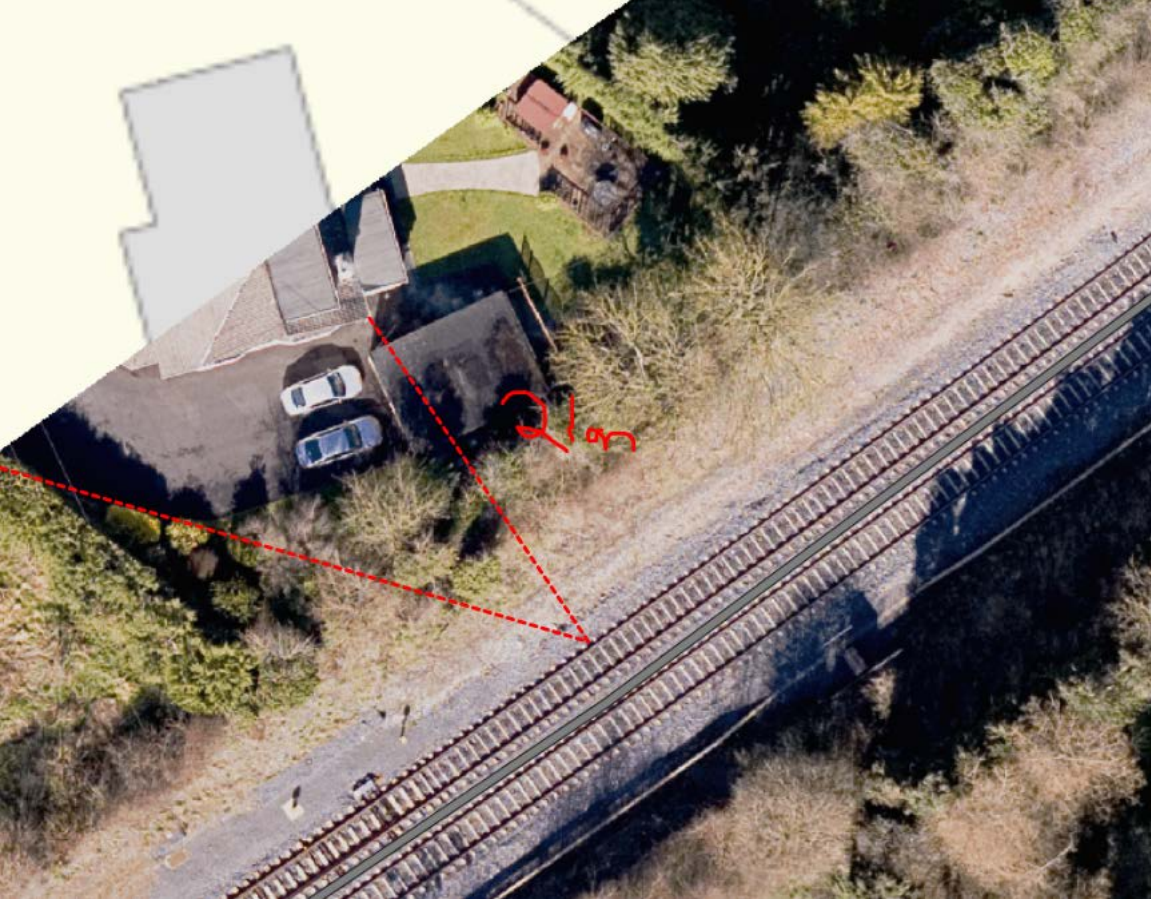
Janice Epstein | Director of Finance
Institute of International and European Affairs
8 North Great Georges Street, Dublin 1, D01 R5Y3
Tel: +353 1 874 6756 Mob: [REDACTED]
Email: [REDACTED]

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From: [Seamus Hannon](#)
To: [Ian Byrne](#)
Cc: [Mark Conroy](#); [Gary Donohoe](#); [Karl Sutton](#)
Subject: RE: Church Av Noise & Vibration Report
Date: Friday 7 January 2022 16:25:00
Attachments: [image001.png](#)

Hi Ian,

As discussed on phone earlier. We replied to Ms. Epstein with a copy of the report, she has requested a copy of the raw data. Is it possible to pass this on?

Would you be free someday next week to have a quick teams call with myself, Gary Donohoe (RM), Mark Conroy (environmental officer) and Karl (Resident Liaison officer) to go through the report and help interpret it a bit better.

I am proposing Wednesday or Thursday next at 9.30am, can you all advise by reply when suits best and I will issue out meeting request.

Regards,
Seamus Hannon

Assistant Engineer, Dublin West, Iarnród Éireann;
Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.
[REDACTED] ✉: seamus.hannon@irishrail.ie 🌐: www.irishrail.ie



From: Ian Byrne [REDACTED]
Sent: Tuesday 4 January 2022 12:21
To: Seamus Hannon <Seamus.Hannon@irishrail.ie>
Subject: RE: Church Av Noise & Vibration Report

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Seamus,
Happy New Year to you also.

Yes, I was actually surprised with the measured vibration levels which although low, are in the human perceptibility range. This is even more pertinent if an individual is particularly sensitive to vibration.

The only way to reduce the transmission of vibration from the track to the house would be to excavate a deep isolation trench. I expect that this would be technically very difficult.

Regarding noise, given the relatively long length of track on which a passing train is audible at the house both ground and first floor, a noise barrier would have to be a very long and high structure

to be effective. Again this would be a considerable project with engineering issues in terms of wind loading and the stability of a large solid screen.

The planting of dense vegetation/trees would provide visual screening which can sometimes satisfy a persons issues with noise in regard to not being able to see the source, i.e in this case the train. Obviously the nature of planting would need to be appropriate for trackside maintenance purposes.

With regard to the above, there however may be benefit to the householder in planting and erecting a small wooden screen (motorway type noise screen) where the gaps are in the back garden fronting onto the tracks.

Let me know what you think.

Regards,
Ian

Ian Byrne MSc MIOA Dip Environmental & Planning Law

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Skryne Road
Dunshaughlin
Co. Meath

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Phone 01-8024001
Email [REDACTED]
Web byrneenvironmental.ie

Environmental Monitoring-Assessment-Management

From: Seamus Hannon <Seamus.Hannon@irishrail.ie>
Sent: Tuesday 4 January 2022 09:59
To: Ian Byrne [REDACTED]
Subject: RE: Church Av Noise & Vibration Report

Hi Ian,

Happy New year I hope you had a nice Christmas.

Thanks for the report. I am now more confused to be honest and not sure how to proceed. I think we will need to do something to say we are trying but I can't imagine it will have much impact.

Would you have any suggestions?

Like;

1. A hedgerow, type, thickness, length etc...
2. Noise barrier if practical.

Regards,
Seamus Hannon

Assistant Engineer, Dublin West, Iarnród Éireann;
Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.
[REDACTED] ✉: seamus.hannon@irishrail.ie 🌐: www.irishrail.ie



From: [REDACTED]
Sent: Thursday 23 December 2021 19:54
To: Seamus Hannon <Seamus.Hannon@irishrail.ie>
Subject: Church Av Noise & Vibration Report

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Seamus,

Please note the attached report which details the results of the surveys.

Note that although recorded vibration levels are very low, they would be perceptible to some people.

Daytime noise is fine, nighttime noise slightly high.

Let me know what comments you may have,

Regards,



[REDACTED] MSc MIOA Dip Environmental & Planning Law

Byrne Environmental Consulting Ltd
Redbog
Skryne Road
Dunshaughlin
Co. Meath

Mobile [REDACTED]

Phone 01-8024001

Email



Web byrneenvironmental.ie

Environmental Monitoring-Assessment-Management

From: [Seamus Hannon](#)
To: [Ian Byrne](#)
Subject: RE: Monitoring equipment collection
Date: Thursday 5 May 2022 16:10:00
Attachments: [image001.png](#)

I can meet you in the Morning Ian if it suits. Say 9.30am? Can you advise when the report will likely be ready – we have received a few emails since last Tuesday.

Regards,
Seamus Hannon

Assistant Engineer, Dublin West, Iarnród Éireann;
Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.

📞: [REDACTED] ✉: seamus.hannon@irishrail.ie 🌐: www.irishrail.ie



From: [REDACTED]
Sent: Thursday 5 May 2022 16:07
To: Seamus Hannon <Seamus.Hannon@irishrail.ie>
Subject: Monitoring equipment collection

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Seamus,

Can you let me know when you are available to collect the noise & vibration monitors from the Sherlockstown compound.

Ian

Ian Byrne MSc MIOA Dip Environmental & Planning Law

Byrne Environmental Consulting Ltd
Redbog
Skryne Road
Dunshaughlin
Co. Meath

Mobile [REDACTED]
Phone 01-8024001
Email [REDACTED]
Web byrneenvironmental.ie

Environmental Monitoring-Assessment-Management

From: [Seamus Hannon](#)
To: [Ian Byrne](#)
Subject: RE: Noise & Vib monitoring Sallins
Date: Monday 21 March 2022 11:28:00
Attachments: [image001.png](#)

Sorry Ian I can't do Thursday. Is tomorrow morning 10am ok or this evening say 2pm.

Regards,
Seamus Hannon

Assistant Engineer, Dublin West, Iarnród Éireann;
Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.
📞: [REDACTED] ✉️: seamus.hannon@irishrail.ie 🌐: www.irishrail.ie



From: [REDACTED]
Sent: Monday 21 March 2022 11:27
To: Seamus Hannon <Seamus.Hannon@irishrail.ie>
Subject: Re: Noise & Vib monitoring Sallins

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Hi Seamus
Could we do Thursday as I've something on Wednesday.

Regards

Ian Byrne MSc MIOA Dip Environmental & Planning Law

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Skryne Road
Dunshaughlin
Co. Meath

Mobile [REDACTED]
Phone 018024001
Email [REDACTED]
Web byrneenvironmental.ie

Environmental Monitoring-Assessment-Management

On Mar 21, 2022, at 10:54, Seamus Hannon <Seamus.Hannon@irishrail.ie> wrote:

Yes Ian,

Sorry I completely forgot this one. How is Wednesday morning say 10am?

Regards,
Seamus Hannon

Assistant Engineer, Dublin West, Iarnród Éireann;
Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.
[REDACTED] seamus.hannon@irishrail.ie : www.irishrail.ie



From: [REDACTED]
Sent: Monday 21 March 2022 08:41
To: Seamus Hannon <Seamus.Hannon@irishrail.ie>
Subject: Noise & Vib monitoring Sallins

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Hi Seamus,
I am looking to install the monitors at the compound in Sherlockstown.
Are you available this week to meet on-site?
Ian

Ian Byrne MSc MIOA Dip Environmental & Planning Law

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Email [REDACTED]
Web byrneenvironmental.ie

Environmental Monitoring-Assessment-Management

From: [Seamus Hannon](#)
To: [Ian Byrne](#)
Subject: RE: Noise & Vib monitoring Sallins
Date: Monday 21 March 2022 13:20:00
Attachments: [image001.png](#)

Ok Ian. I can meet Friday morning so. 10am ok?

Regards,
Seamus Hannon

Assistant Engineer, Dublin West, Iarnród Éireann;
Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.
① [REDACTED] seamus.hannon@irishrail.ie 🌐: www.irishrail.ie



From: [REDACTED]
Sent: Monday 21 March 2022 13:16
To: Seamus Hannon <Seamus.Hannon@irishrail.ie>
Subject: Re: Noise & Vib monitoring Sallins

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Seamus
I'm afraid I can do this pm or Tuesday. Friday?

Regards

Ian Byrne MSc MIOA Dip Environmental & Planning Law

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Redbog
Skryne Road
Dunshaughlin
Co. Meath

Mobile [REDACTED]
Phone 018024001
Email [REDACTED]
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Environmental Monitoring-Assessment-Management

On Mar 21, 2022, at 11:28, Seamus Hannon <Seamus.Hannon@irishrail.ie> wrote:

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Regards,
Seamus Hannon

Assistant Engineer, Dublin West, Iarnród Éireann;
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📞: [REDACTED] ✉: seamus.hannon@irishrail.ie 🌐: www.irishrail.ie



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Hi Seamus
Could we do Thursday as I've something on Wednesday.

Regards

Ian Byrne MSc MIOA Dip Environmental & Planning Law

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Environmental Monitoring-Assessment-Management

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Yes Ian,

Sorry I completely forgot this one. How is Wednesday morning say 10am?

Regards,
Seamus Hannon

Assistant Engineer, Dublin West, Iarnród Éireann;
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📞: [REDACTED] ✉: seamus.hannon@irishrail.ie 🌐: www.irishrail.ie

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Sent: Monday 21 March 2022 08:41
To: Seamus Hannon <Seamus.Hannon@irishrail.ie>
Subject: Noise & Vib monitoring Sallins

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Hi Seamus,
I am looking to install the monitors at the compound in Sherlockstown.
Are you available this week to meet on-site?
Ian

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Environmental Monitoring-Assessment-Management

From: [Seamus Hannon](#)
To: [Ian Byrne](#)
Subject: RE: Noise & Vib monitoring Sallins
Date: Monday 21 March 2022 10:53:00
Attachments: [image001.png](#)

Yes Ian,

Sorry I completely forgot this one. How is Wednesday morning say 10am?

Regards,
Seamus Hannon

Assistant Engineer, Dublin West, Iarnród Éireann;
Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.
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Are you available this week to meet on-site?
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Phone 01-8024001
Email [REDACTED]
Web byrneenvironmental.ie

Environmental Monitoring-Assessment-Management

From: [Seamus Hannon](#)
To: [Ian Byrne](#)
Subject: RE: Noise monitoring assessment Sallins
Date: Monday 6 December 2021 12:24:00
Attachments: [image001.png](#)

Ok Ian,

Fair enough. Can you advise of a suitable window, would midday Friday be an option?

Regards,
Seamus Hannon

Assistant Engineer, Dublin West, Iarnród Éireann;
Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.
📞: [REDACTED] ✉: seamus.hannon@irishrail.ie 🌐: www.irishrail.ie



From: Ian Byrne [REDACTED]
Sent: Monday 6 December 2021 12:20
To: Seamus Hannon <Seamus.Hannon@irishrail.ie>
Subject: Re: Noise monitoring assessment Sallins

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Seamus

I have looked at the forecast and the storm which is due tomorrow until Wednesday will impact the accuracy of the noise readings as a result of forecasted high winds. I recommend that we cancel tomorrow and will reschedule once calmer weather returns.

Ian

Regards

Ian Byrne MSc MIOA Dip Environmental & Planning Law

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Skryne Road
Dunshaughlin
Co. Meath

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Phone 018024001
Email [REDACTED]
Web byrneenvironmental.ie

Environmental Monitoring-Assessment-Management

On Nov 26, 2021, at 10:52, Seamus Hannon <Seamus.Hannon@irishrail.ie> wrote:

Hi Ian,

Reqs have been created for both the noise and vibration monitoring assessments.
Hopefully POs be out soon and we can get set up. Thanks.

Regards,
Seamus Hannon

Assistant Engineer, Dublin West, Iarnród Éireann;
Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.
📞: [REDACTED] ✉: seamus.hannon@irishrail.ie 🌐: www.irishrail.ie



From: Ian Byrne [REDACTED]
Sent: Wednesday 24 November 2021 12:50
To: Seamus Hannon <Seamus.Hannon@irishrail.ie>
Subject: RE: Noise monitoring assessment Sallins

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Thanks Seamus.
I have attached a vibration monitoring proposal. Same cost as per noise assessment.
Regards,
Ian

Ian Byrne MSc MIOA Dip Environmental & Planning Law

Byrne Environmental Consulting Ltd
Redbog
Skryne Road
Dunshaughlin
Co. Meath

Mobile [REDACTED]
Phone 01-8024001
Email [REDACTED]
Web byrneenvironmental.ie

Environmental Monitoring-Assessment-Management

From: Seamus Hannon <Seamus.Hannon@irishrail.ie>
Sent: Wednesday 24 November 2021 11:58

To: Ian Byrne [REDACTED]
Subject: RE: Noise monitoring assessment Sallins

Ian that's perfect. I will get req out based on the quote attached.

Would you also be able to send me a quote to complete the Vibration monitoring it may be worthwhile now you mention it. I might leave it sit though until we make further contact with resident.

Regards,
Seamus Hannon

Assistant Engineer, Dublin West, Iarnród Éireann;
Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.
[REDACTED] ✉: seamus.hannon@irishrail.ie 🌐: www.irishrail.ie



From: Ian Byrne [REDACTED]
Sent: Wednesday 24 November 2021 09:48
To: Seamus Hannon <Seamus.Hannon@irishrail.ie>
Subject: RE: Noise monitoring assessment Sallins

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Hi Seamus,
Please note the attached proposal for the monitoring of noise for a 1-week period.
I note that the Complainant suggests that the house is shaking as a result of trains passing.
A vibration survey could only be conducted at the house to evaluate any vibrational impact,
Regards,
Ian

Ian Byrne MSc MIOA Dip Environmental & Planning Law

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Redbog
Skryne Road
Dunshaughlin
Co. Meath

Mobile [REDACTED]
Phone 01-8024001
Email [REDACTED]
Web byrneenvironmental.ie

Environmental Monitoring-Assessment-Management

From: Seamus Hannon <Seamus.Hannon@irishrail.ie>

Sent: Tuesday 23 November 2021 12:13

To: [REDACTED]

Subject: Noise monitoring assessment Sallins

Hi Ian,

As discussed over the phone earlier. We have 1 particular resident in Sallins that is constantly on to us about noise and disturbances. You can see from the thread attached (just for yourself for information only please) that it has been going on quite a while. I have some photos included in mail attached.

The property is located at; [W91 X3KA - Google Maps](#)

Lynhill

Church Avenue

Kerdiffstown

Naas

Co Kildare

W91 X3KA

I was hoping to set up 1 week of noise monitoring to get some data as to the severity of the situation and from that an assessment of mitigation measures if any we could possibly introduce. The house is on an embankment above the track and as crow flies is 21m from the nearest track. We completed packing to track, rerailed a long section, removed a damaged block joint and topped up ballast so from a track maintenance point of view there is very little more we can do. She has requested noise barriers/fencing but I am not sure it would be any benefit given the height of her property above the track.

Any questions just give me a call. Pedestrian access can be provided to track at the adjacent bridge.

Regards,

Seamus Hannon

Assistant Engineer, Dublin West, Iarnród Éireann;

Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.

📞 [REDACTED] ✉: seamus.hannon@irishrail.ie 🌐: www.irishrail.ie



Iarnród Éireann Irish Rail, cuideachta ghníomhaíochta ainmnithe, faoi theorainn scaireanna, cláraithe in Éirinn ag Stáisiún Uí Chonghaile, Baile Átha Cliath 1, Ur. 119571 Ur. CBL: IE 4812851 O, Iarnród Éireann Irish Rail, a designated activity company, limited by shares, registered in Ireland at Connolly Station, Dublin 1, No. 119571 VAT No. IE 4812851 O

*In Iarnród Éireann, creideann muid in obair sholúbtha a éascú, agus mar sin, cé go n-oireann sé dom ríomhphost a sheoladh anois, níl mé ag súil le freagra ná gníomh lasmuigh de d'uaireanta oibre.
At Iarnród Éireann we believe in facilitating flexible working, so while it suits me to email now, I do not expect a response or action outside of your own working hours.*

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To: [Ian Byrne](#)
Subject: RE: Noise monitoring assessment Sallins
Date: Friday 26 November 2021 10:52:00
Attachments: [image001.png](#)

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Regards,
Seamus Hannon

Assistant Engineer, Dublin West, Iarnród Éireann;
Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.
📞 [REDACTED] ✉: seamus.hannon@irishrail.ie 🌐: www.irishrail.ie



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Ian

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Environmental Monitoring-Assessment-Management

From: Seamus Hannon <Seamus.Hannon@irishrail.ie>

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To: Ian Byrne [REDACTED]

Subject: RE: Noise monitoring assessment Sallins

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📞: [REDACTED] ✉: seamus.hannon@irishrail.ie 🌐: www.irishrail.ie



From: Ian Byrne [REDACTED]

Sent: Wednesday 24 November 2021 09:48

To: Seamus Hannon <Seamus.Hannon@irishrail.ie>

Subject: RE: Noise monitoring assessment Sallins

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Regards,

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Ian Byrne MSc MIOA Dip Environmental & Planning Law

Byrne Environmental Consulting Ltd
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Skryne Road
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Mobile [REDACTED]

Phone 01-8024001

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Environmental Monitoring-Assessment-Management

From: Seamus Hannon <Seamus.Hannon@irishrail.ie>

Sent: Tuesday 23 November 2021 12:13

To: Ian Byrne [REDACTED]

Subject: Noise monitoring assessment Sallins

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Church Avenue

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Regards,

Seamus Hannon

Assistant Engineer, Dublin West, Iarnród Éireann;
Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.
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*Iarnród Éireann Irish Rail, cuideachta ghníomhaíochta ainmnithe, faoi theorainn scaireanna, cláraithe in Éirinn ag Stáisiún Uí Chonghaile, Baile Átha Cliath 1, Ur 119571 Ur CBL: IE 4812851 O,
Iarnród Éireann Irish Rail, a designated activity company, limited by shares, registered in Ireland at Connolly Station, Dublin 1,
No 119571 VAT No IE 4812851 O*

*In Iarnród Éireann, creideann muid in obair sholúbtha a éascú, agus mar sin, cé go n-oireann sé dom ríomhphost a sheoladh anois, níl mé ag súil le freagra ná gníomh lasmuigh de d'uaireanta oibre
At Iarnród Éireann we believe in facilitating flexible working, so while it suits me to email now, I do not expect a response or action outside of your own working hours*

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To: [Ian Byrne](#)
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Date: Wednesday 24 November 2021 11:57:00
Attachments: [image001.png](#)

Ian that's perfect. I will get req out based on the quote attached.

Would you also be able to send me a quote to complete the Vibration monitoring it may be worthwhile now you mention it. I might leave it sit though until we make further contact with resident.

Regards,
Seamus Hannon

Assistant Engineer, Dublin West, Iarnród Éireann;
Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.
📞 [REDACTED] ✉: seamus.hannon@irishrail.ie 🌐: www.irishrail.ie



From: Ian Byrne [REDACTED]
Sent: Wednesday 24 November 2021 09:48
To: Seamus Hannon <Seamus.Hannon@irishrail.ie>
Subject: RE: Noise monitoring assessment Sallins

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Seamus,
Please note the attached proposal for the monitoring of noise for a 1-week period.
I note that the Complainant suggests that the house is shaking as a result of trains passing. A vibration survey could only be conducted at the house to evaluate any vibrational impact,
Regards,
Ian

Ian Byrne MSc MIOA Dip Environmental & Planning Law

Byrne Environmental Consulting Ltd
Redbog
Skryne Road
Dunshaughlin
Co. Meath

Mobile [REDACTED]
Phone 01-8024001
Email [REDACTED]
Web byrneenvironmental.ie

From: Seamus Hannon <Seamus.Hannon@irishrail.ie>

Sent: Tuesday 23 November 2021 12:13

To: Ian Byrne [REDACTED]

Subject: Noise monitoring assessment Sallins

Hi Ian,

As discussed over the phone earlier. We have 1 particular resident in Sallins that is constantly on to us about noise and disturbances. You can see from the thread attached (just for yourself for information only please) that it has been going on quite a while. I have some photos included in mail attached.

The property is located at; [W91 X3KA - Google Maps](#)

Lynhill

Church Avenue

Kerdiffstown

Naas

Co Kildare

W91 X3KA

I was hoping to set up 1 week of noise monitoring to get some data as to the severity of the situation and from that an assessment of mitigation measures if any we could possibly introduce. The house is on an embankment above the track and as crow flies is 21m from the nearest track. We completed packing to track, rerailed a long section, removed a damaged block joint and topped up ballast so from a track maintenance point of view there is very little more we can do. She has requested noise barriers/fencing but I am not sure it would be any benefit given the height of her property above the track.

Any questions just give me a call. Pedestrian access can be provided to track at the adjacent bridge.

Regards,
Seamus Hannon

Assistant Engineer, Dublin West, Iarnród Éireann;
Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.

📞: [REDACTED] ✉: seamus.hannon@irishrail.ie 🌐: www.irishrail.ie



*Iarnród Éireann Irish Rail, a designated activity company, limited by shares, registered in Ireland at Connolly Station, Dublin 1,
No 119571 VAT No IE 4812851 O*

*In Iarnród Éireann, creideann muid in obair sholúbtha a éascú, agus mar sin, cé go n-oireann sé dom ríomhphost a sheoladh
anois, níl mé ag súil le freagra ná gníomh lasmuigh de d'uaireanta oibre
At Iarnród Éireann we believe in facilitating flexible working, so while it suits me to email now, I do not expect a response or
action outside of your own working hours*

From: [Seamus Hannon](#)
To: [Ian Byrne](#)
Subject: RE: Noise monitoring assessment Sallins
Date: Monday 6 December 2021 12:42:00
Attachments: [image001.png](#)

Sorry Ian I can't do Thursday. I am flexible on Friday if it can work otherwise Monday week anytime other than 11am.

Regards,
Seamus Hannon

Assistant Engineer, Dublin West, Iarnród Éireann;
Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.
✉: seamus.hannon@irishrail.ie 🌐: www.irishrail.ie



From: [REDACTED]
Sent: Monday 6 December 2021 12:34
To: Seamus Hannon <Seamus.Hannon@irishrail.ie>
Subject: Re: Noise monitoring assessment Sallins

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Seamus I'll keep an eye on the forecast.
I can't do Friday until mid afternoon. If weather ok on Thursday would Thursday suit you?
Ian

Regards

Ian Byrne MSc MIOA Dip Environmental & Planning Law

Byrne Environmental Consulting Ltd
Redbog
Skryne Road
Dunshaughlin
Co. Meath

Mobile [REDACTED]
Phone 018024001
Email [REDACTED]
Web byrneenvironmental.ie

Environmental Monitoring-Assessment-Management

On Dec 6, 2021, at 12:24, Seamus Hannon <Seamus.Hannon@irishrail.ie> wrote:

Ok Ian,

Fair enough. Can you advise of a suitable window, would midday Friday be an option?

Regards,
Seamus Hannon

Assistant Engineer, Dublin West, Iarnród Éireann;
Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.
📞: [REDACTED] ✉: seamus.hannon@irishrail.ie 🌐: www.irishrail.ie



From: Ian Byrne [REDACTED]
Sent: Monday 6 December 2021 12:20
To: Seamus Hannon <Seamus.Hannon@irishrail.ie>
Subject: Re: Noise monitoring assessment Sallins

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Seamus

I have looked at the forecast and the storm which is due tomorrow until Wednesday will impact the accuracy of the noise readings as a result of forecasted high winds. I recommend that we cancel tomorrow and will reschedule once calmer weather returns.

Ian

Regards

Ian Byrne MSc MIOA Dip Environmental & Planning Law

Byrne Environmental Consulting Ltd
Redbog
Skryne Road
Dunshaughlin
Co. Meath

Mobile [REDACTED]
Phone 018024001
Email [REDACTED]
Web byrneenvironmental.ie

Environmental Monitoring-Assessment-Management

On Nov 26, 2021, at 10:52, Seamus Hannon <Seamus.Hannon@irishrail.ie> wrote:

Hi Ian,

Reqs have been created for both the noise and vibration monitoring assessments.
Hopefully POs be out soon and we can get set up. Thanks.

Regards,
Seamus Hannon

Assistant Engineer, Dublin West, Iarnród Éireann;
Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.
📞: [REDACTED] ✉: seamus.hannon@irishrail.ie 🌐: www.irishrail.ie



From: Ian Byrne [REDACTED]
Sent: Wednesday 24 November 2021 12:50
To: Seamus Hannon <Seamus.Hannon@irishrail.ie>
Subject: RE: Noise monitoring assessment Sallins

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Thanks Seamus.
I have attached a vibration monitoring proposal. Same cost as per noise assessment.
Regards,
Ian

Ian Byrne MSc MIOA Dip Environmental & Planning Law

Byrne Environmental Consulting Ltd
Redbog
Skryne Road
Dunshaughlin
Co. Meath

[REDACTED]
Phone 01-8024001
Email [REDACTED]
Web byrneenvironmental.ie

Environmental Monitoring-Assessment-Management

From: Seamus Hannon <Seamus.Hannon@irishrail.ie>
Sent: Wednesday 24 November 2021 11:58
To: Ian Byrne [REDACTED]
Subject: RE: Noise monitoring assessment Sallins

Ian that's perfect. I will get req out based on the quote attached.

Would you also be able to send me a quote to complete the Vibration monitoring it may be worthwhile now you mention it. I might leave it sit though until we make further contact with resident.

Regards,
Seamus Hannon

Assistant Engineer, Dublin West, Iarnród Éireann;
Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.
✉: seamus.hannon@irishrail.ie 🌐: www.irishrail.ie



From: Ian Byrne [REDACTED]
Sent: Wednesday 24 November 2021 09:48
To: Seamus Hannon <Seamus.Hannon@irishrail.ie>
Subject: RE: Noise monitoring assessment Sallins

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Seamus,
Please note the attached proposal for the monitoring of noise for a 1-week period.
I note that the Complainant suggests that the house is shaking as a result of trains passing. A vibration survey could only be conducted at the house to evaluate any vibrational impact,
Regards,
Ian

Ian Byrne MSc MIOA Dip Environmental & Planning Law

Byrne Environmental Consulting Ltd
Redbog
Skryne Road
Dunshaughlin
Co. Meath

Mobile [REDACTED]
Phone 01-8024001
Email [REDACTED]
Web byrneenvironmental.ie

Environmental Monitoring-Assessment-Management

From: Seamus Hannon <Seamus.Hannon@irishrail.ie>
Sent: Tuesday 23 November 2021 12:13
To: Ian Byrne [REDACTED]
Subject: Noise monitoring assessment Sallins

Hi Ian,

As discussed over the phone earlier. We have 1 particular resident in Sallins that is constantly on to us about noise and disturbances. You can see from the thread attached (just for yourself for information only please) that it has been going on quite a while. I have some photos included in mail attached.

The property is located at; [W91 X3KA - Google Maps](https://www.google.com/maps/place/W91+X3KA)
Lynhill

Church Avenue
Kerdiffstown
Naas
Co Kildare
W91 X3KA

I was hoping to set up 1 week of noise monitoring to get some data as to the severity of the situation and from that an assessment of mitigation measures if any we could possibly introduce. The house is on an embankment above the track and as crow flies is 21m from the nearest track. We completed packing to track, rerailed a long section, removed a damaged block joint and topped up ballast so from a track maintenance point of view there is very little more we can do. She has requested noise barriers/fencing but I am not sure it would be any benefit given the height of her property above the track.

Any questions just give me a call. Pedestrian access can be provided to track at the adjacent bridge.

Regards,
Seamus Hannon

Assistant Engineer, Dublin West, Iarnród Éireann;
Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.
☎: [REDACTED] ✉: seamus.hannon@irishrail.ie 🌐: www.irishrail.ie



Iarnród Éireann Irish Rail, cuideachta ghníomhaíochta ainmnithe, faoi theorainn scaireanna, cláraithe in Éirinn ag Stáisiún Uí Chonghaile, Baile Átha Cliath 1, Ur. 119571 Ur. CBL: IE 4812851 O, Iarnród Éireann Irish Rail, a designated activity company, limited by shares, registered in Ireland at Connolly Station, Dublin 1, No. 119571 VAT No. IE 4812851 O

In Iarnród Éireann, creideann muid in obair sholúbtha a éascú, agus mar sin, cé go n-oireann sé dom ríomhphost a sheoladh anois, níl mé ag súil le freagra ná gníomh lasmuigh de d'uaireanta oibre. At Iarnród Éireann we believe in facilitating flexible working, so while it suits me to email now, I do not expect a response or action outside of your own working hours.

From: [Seamus Hannon](#)
To: [Ian Byrne](#)
Subject: RE: RFQ - Sallins further surveys
Date: Monday 17 January 2022 09:41:00
Attachments: [image001.png](#)

Super thanks for your help Ian. I will get that out to procurement later today.

Regards,
Seamus Hannon

Assistant Engineer, Dublin West, Iarnród Éireann;
Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.
📞: [REDACTED] ✉️: seamus.hannon@irishrail.ie 🌐: www.irishrail.ie



From: Ian Byrne [REDACTED]
Sent: Saturday 15 January 2022 10:15
To: Seamus Hannon <Seamus.Hannon@irishrail.ie>
Subject: RE: RFQ - Sallins further surveys

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Seamus,

Further to reviewing the draft RFQ, have attached a re-worded Section 1.1.2 and 2.1.

I recommend that internal noise and vibration measurements and the external air overpressure measurements are conducted as attended surveys for 12 No. train movements. This will allow more accurate readings to be obtained that may otherwise be compromised by accidental interference with the equipment or internal domestic noise and movements and will also allow observations by the consultant to be made on the nature and extent of the impacts.

Let me know if you have any comments.

Regards,
Ian

Ian Byrne MSc MIOA Dip Environmental & Planning Law

Byrne Environmental Consulting Ltd
Redbog
Skryne Road
Dunshaughlin
Co. Meath

Mobile [REDACTED]
Phone 01-8024001
Email [REDACTED]
Web byrneenvironmental.ie

Environmental Monitoring-Assessment-Management

From: Seamus Hannon <Seamus.Hannon@irishrail.ie>

Sent: Friday 14 January 2022 16:02

To: Ian Byrne [REDACTED]

Subject: RFQ - Sallins further surveys

Hi Ian,

Following on from our meeting the other day – please see attached draft tender docs I was hoping to issue out. Can you advise please if I have referenced the air pressure monitor correctly or any other things that may pop up as you read through.

Regards,
Seamus Hannon

Assistant Engineer, Dublin West, Iarnród Éireann;
Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.
[REDACTED] ✉: seamus.hannon@irishrail.ie 🌐: www.irishrail.ie



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Iarnród Éireann Irish Rail, a designated activity company, limited by shares, registered in Ireland at Connolly Station, Dublin 1,
No 119571 VAT No IE 4812851 O*

*In Iarnród Éireann, creideann muid in obair sholúbtha a éascú, agus mar sin, cé go n-oireann sé dom ríomhphost a sheoladh anois, níl mé ag súil le freagra ná gníomh lasmuigh de d'uaireanta oibre
At Iarnród Éireann we believe in facilitating flexible working, so while it suits me to email now, I do not expect a response or action outside of your own working hours*

From: [Seamus Hannon](#)
To: ["Ian Byrne"](#)
Subject: RFQ - Sallins further surveys
Date: Friday 14 January 2022 16:01:00
Attachments: [RFQ_Noise and Vibration Monitoring station Sallins_Sherlockstown.docx](#)
[image001.png](#)

Hi Ian,

Following on from our meeting the other day – please see attached draft tender docs I was hoping to issue out. Can you advise please if I have referenced the air pressure monitor correctly or any other things that may pop up as you read through.

Regards,
Seamus Hannon

Assistant Engineer, Dublin West, Iarnród Éireann;
Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.
[REDACTED] ✉: seamus.hannon@irishrail.ie 🌐: www.irishrail.ie





Request for Quotation

Supply of Service

Vibration Monitoring Sallins & Sherlockstown

**Iarnród Éireann
Infrastructure Maintenance - Dublin
Pearse Station
Westland Row
Dublin 2
D02 RV00**

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1. Introduction

1.1.1 Iarnród Éireann (“IÉ”) invites tenders (“Tenders”) to this request for quotes (“RFQ”) from economic operators (“Tenderers”) for the supply of the goods (“the Goods”) as described in Section 2.

1.1.2 In summary, the Goods to be covered by the proposed contract (“Goods Contract”) comprise of:

Set up and monitoring of 2no external vibration monitors and 2no sound/noise monitoring stations with microphone recording function for a continuous one week (7Day) period to a private residence in Sallins and lineside in compound located in Sherlockstown. Also required is 1no vibration and Noise monitor to be erected inside the property and finally 1 no Air pressure monitor to be erected on closest window of property to track of private residence. All equipment should provide continuous data for full period 24hours per day and recording function. Successful contractor is then required to produce a report interpreting the data highlighting/referencing the standards used, this report should also work to link the data from the different locations.

1.1.3 This public procurement competition (the “Competition”) will be conducted in accordance with the open procedure under the European Union (Award of Public Authority Contracts) Regulations 2016 (Statutory Instrument 284 of 2016) (the “Regulations”).

1.1.4 IÉ policy seeks to encourage participation on a fair and equal basis by Small and Medium Enterprises (“SME”s) in this Competition. SMEs that believe the scope of this Competition is beyond their technical or business capacity are encouraged, subject to Terms & Conditions, to explore the possibilities of forming relationships with other SMEs or with larger enterprises. Through such relationships they can participate and contribute to the successful implementation of any Goods Contract that may result from this Competition and therefore increase their social and economic benefits.

Larger enterprises are also encouraged, subject to Terms & Conditions, to consider the practical ways that SMEs can be included in their proposals to maximise the social and economic benefits of any Goods Contract that may result from this Competition.

2. Specifications

2.1 Material Specification

- 2no. Noise monitoring stations, 1 to be erected in rear garden of property, 1 to be erected lineside in Sherlockstown compound (this can be completed during daytime hours under IE Lookout protection).

Installation of 2no. data logging continuous Class1 noise monitoring system with live data view and text/email alert system capability and audio record capability to allow high noise level events to be identified.

With provision of access to live on-line monitoring system of vibration monitoring systems to IE team, this much include microphone with recording function.

Preparation of a noise assessment report following the completion of the 7 day survey which will include an evaluation of noise levels during daytime, evening and night time periods and characterisation of the local ambient noise climate – the report is to link all data from each monitoring station so a conclusive assessment of each passing trains impact can be deduced.

- 2no. Vibration monitoring stations, 1 to be set up in rear garden of property on suitable boundary wall and 1no. to be erected lineside in Sherlockstown compound (this can be completed during daytime hours under IE Lookout protection). Installation of 2no. data logging continuous vibration monitoring system with live data view and text/email alert system capability for a 7 day period.

With provision of access to live on-line monitoring system of vibration monitoring systems to IE team. Preparation of a technical and interpretive vibration assessment report following the completion of the 7-day survey the report is to link all data from each monitoring station so a conclusive assessment of each passing trains impact can be deduced.

- 1no. noise and vibration monitoring stations as per details above to be setup within property.
- 1no. air pressure monitor to be erected on closest external window to train line. Continuous 7 day monitoring required.

Decommissioning of the 3no. noise, 3no. vibration and air pressure stations on completion.

All to run and record continuously for 24 hours a day for a one-week period.

Environmental report listing recommendations for potential mitigations to also be included.

2.2 Delivery Specification

- Service to be set up for a one-week period. Both systems to run at same time so can be cross referenced.
- Eircodes – Private Property Lynhill, Kerdiffstown, Sllins W91 X3KA.
Sherlockstown Compound W91 AK11.

2.3 Pricing Specifications

- Irish Rail require a quotation in lump sum format, please return quotation as per attached BOQ.

Instructions to Tenderers

2.4 Important Notices

- 2.4.1 While every effort has been made to provide comprehensive and accurate information in all notices and documents prepared for the purposes of this Competition, IÉ does not accept any liability or provide any express or implied warranty in respect of any such information. Tenderers must form their own conclusions about the solution needed to meet the requirements set out in this RFQ and may wish to consult their legal advisers.
- 2.4.2 IÉ does not bind itself to accept the lowest priced or any Tender.
- 2.4.3 This RFQ does not constitute an offer or commitment to enter into a Goods Contract.
- 2.4.4 Any notification of preferred bidder status by IÉ shall not give rise to any enforceable rights by the Tenderer.
- 2.4.5 The award of a Goods Contract does not confer exclusivity on the successful Tenderer.
- 2.4.6 IÉ may cancel this Competition at any time prior to a Goods Contract being executed by IÉ.

2.4.7 This RFQ supersedes and replaces any and all previous documentation, communications and correspondence between IÉ and Tenderers, and Tenderers should place no reliance on such previous documentation.

2.4.8 In this clause 3.1.8, “Data Protection Laws” means all applicable national and EU data protection laws, regulations and guidelines including but not limited to Regulation (EU) 2016/679 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (the “General Data Protection Regulation”), and any guidelines and codes of practice issued by the Office of the Data Protection Commission or other supervisory authority for data protection in Ireland from time to time. IÉ will be a Data Controller (where Data Controller has the meaning given under the Data Protection Laws) in respect of any Personal Data (where Personal Data has the meaning given under the Data Protection Laws) required to be provided by the Tenderer in response to this RFQ.

The Tenderer, as Data Controller in respect of any Personal Data provided by it in its Tender, is required to confirm that all Data Subjects (where Data Subject has the meaning given under the Data Protection Laws) whose Personal Data is provided by the Tenderer have consented to the processing of such Personal Data by the Tenderer, IÉ, the Evaluation Team and the supplier of the etenders.gov.ie website (“eTenders website”), for the purposes of the participation of the Tenderer in this Competition or that the Tenderer otherwise has a legal basis for providing such Personal Data to IÉ for the purposes of its participation in this competition.

2.5 Compliant Tenders

2.5.1 If a Tenderer fails to comply in any respect with the requirements of this tender, IÉ reserves the right to reject the Tenderer’s Tender as non-compliant or, without prejudice to this right and subject to its obligations at law, to take any other action it considers appropriate including but not limited to:

- (a) seeking written clarification from the Tenderer;
- (b) seeking further information from the Tenderer; or
- (c) waiving a requirement, which in IÉ’s view, is non-material or procedural.

2.5.2 Tenderers are required to conform to and comply with all instructions and requirements set out within this RFQ and the eTenders website.

2.5.3 Tenderers are required not to alter or edit this RFQ in any way.

2.6 Goods Contract

- 2.6.1 Tenderers should note the standard terms and conditions of the goods contract at: <https://www.irishrail.ie/about-us/company-information/iarnrod-eireann-procurement-information>

2.7 Tender Submission Requirements

- 2.7.1 Tenders must be received not later than Saturday 1 January 2022 at 00:00 (the “Tender Deadline”). Tenders that are received late WILL NOT be considered in this Competition.
- 2.7.2 As a minimum Tenders must be submitted in English.
- 2.7.3 All Tenders must be compiled such that they can be read immediately using PDF reader. IÉ is not responsible for corruption in electronic documents. Tenderers must ensure electronic documents are not corrupt.

2.8 Queries & Clarifications

- 2.8.1 IÉ reserves the right to issue or seek written clarifications.
- 2.8.2 IÉ reserves the right at any time before the Tender Deadline, to update or amend the information contained in this document and/or to extend the Tender Deadline. Participating Tenderers will be informed of any such amendment or extension through the eTenders website.

2.9 Tendering Costs

- 2.9.1 All costs and expenses incurred by Tenderers relating to their participation in this Competition including, but not being limited to, site visits, field trials, demonstrations and/or presentations shall be borne by and are a matter for discharge by the Tenderers exclusively.
- 2.9.2 Without prejudice to the generality of paragraph 3.6.1, all costs and expenses relating to the supply of samples for purposes of tendering and their return after evaluation or participation in field trials, site visits (see section 3.13), if any, will be borne exclusively by the Tenderer.

2.10 Confidentiality

- 2.10.1 All documentation, drawings, data, statistics, information, patterns, samples or material disclosed or furnished by IÉ to Tenderers during the course of this Competition:

- (a) are furnished for the sole purpose of replying to this RFQ only;
- (b) may not be used, communicated, reproduced or published for any other purpose without the prior written permission of IÉ;
- (c) shall be treated as confidential by the Tenderer and by any third parties (including subcontractors) engaged or consulted by the Tenderer; and
- (d) must be returned immediately to IÉ upon cancellation or completion of this Competition if so requested by IÉ.

2.11 Pricing

- 2.11.1 Tenderers must confirm that all prices quoted in the Tender will remain valid for 6 months commencing from the Tender Deadline.
- 2.11.2 All prices quoted must be all-inclusive (i.e. including but not being limited to shipping, packaging, delivery, ancillary costs and all other costs/expenses) and exclusive of VAT. The VAT rate(s) where applicable should be indicated separately.

2.12 Environmental, Social & Labour Law

- 2.12.1 In the performance of any Goods Contract awarded, the successful Tenderer(s), and their Subcontractors (if any), shall be required to comply with all applicable obligations in the field of environmental, social and labour law that apply at the place where the goods provided, that have been established by EU law, national law, collective agreements or by international, environmental, social and labour law listed in Schedule 7 of the Regulations.

2.13 Publicity

- 2.13.1 No publicity regarding this Competition or any Goods Contract pursuant to this Competition is permitted unless and until IÉ has given its prior written consent to the relevant communication.

2.14 Freedom of Information

- 2.14.1 Tenderers should be aware that, under the Freedom of Information Act 2014 and the European Communities (Access to Information on the Environment) Regulations 2007 to 2014, information provided by them during this Competition may be liable to be disclosed

2.14.2 Tenderers are asked to consider if any of the information supplied by them in their Tender should not be disclosed because of its confidentiality or commercial sensitivity. If Tenderers consider that certain information is not to be disclosed because of its confidentiality or commercial sensitivity, Tenderers must, when providing such information, clearly identify the specific sections of their Tender containing such information and specify the reasons for its confidentiality or commercial sensitivity. For the avoidance of doubt Tenderers may not assert confidentiality or commercial sensitivity over the entire Tender but must clearly identify the specific section containing such information. If Tenderers do not identify information as confidential or commercially sensitive, it is liable to be released in response to a request under the above legislation without further notice to or consultation with the Tenderer. IÉ will, where possible, consult with Tenderers about confidential or commercially sensitive information so identified before making its a decision on a request received. IÉ accepts no liability whatsoever in respect of any information provided which is subsequently released (irrespective of notification) or in respect of any consequential damage suffered as a result of such obligations.

2.15 Conflict of Interest

2.15.1 Any conflict of interest or potential conflict of interest on the part of a Tenderer, Subcontractor or individual employee(s) or agent(s) of a Tenderer or Subcontractor(s) must be fully disclosed to IÉ as soon as the conflict or potential conflict is or becomes apparent.

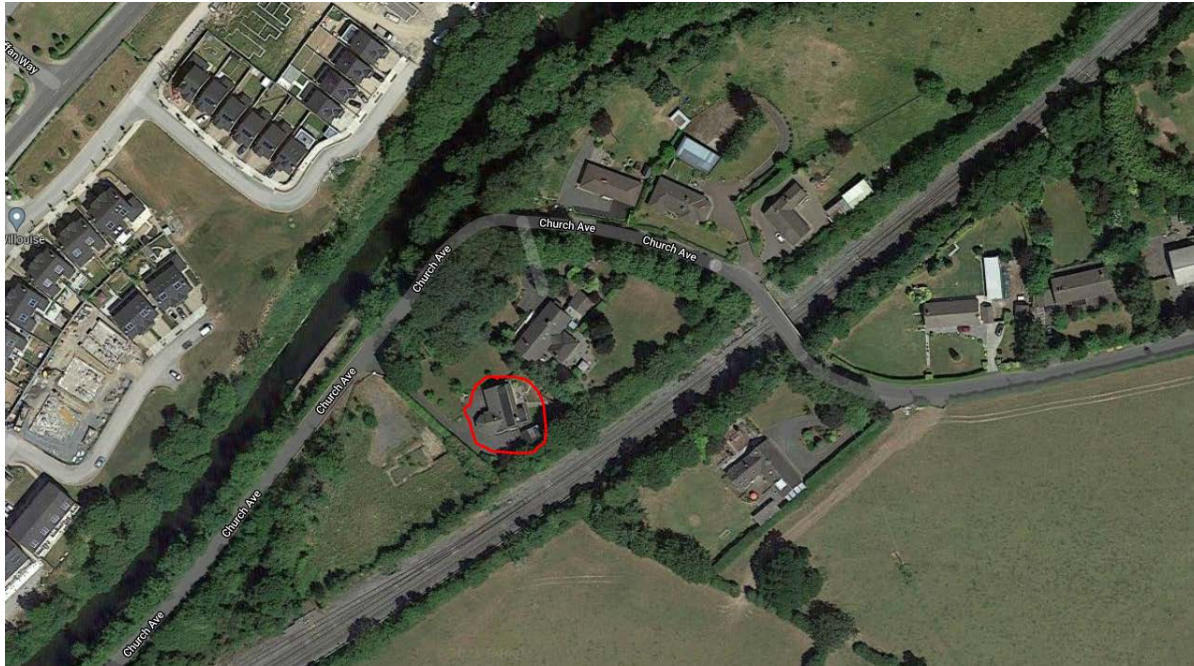
2.16 Site Visit

2.16.1 IÉ will, at its sole discretion, facilitate Tenderers by permitting an inspection of IÉ premises for the purposes of this RFQ.

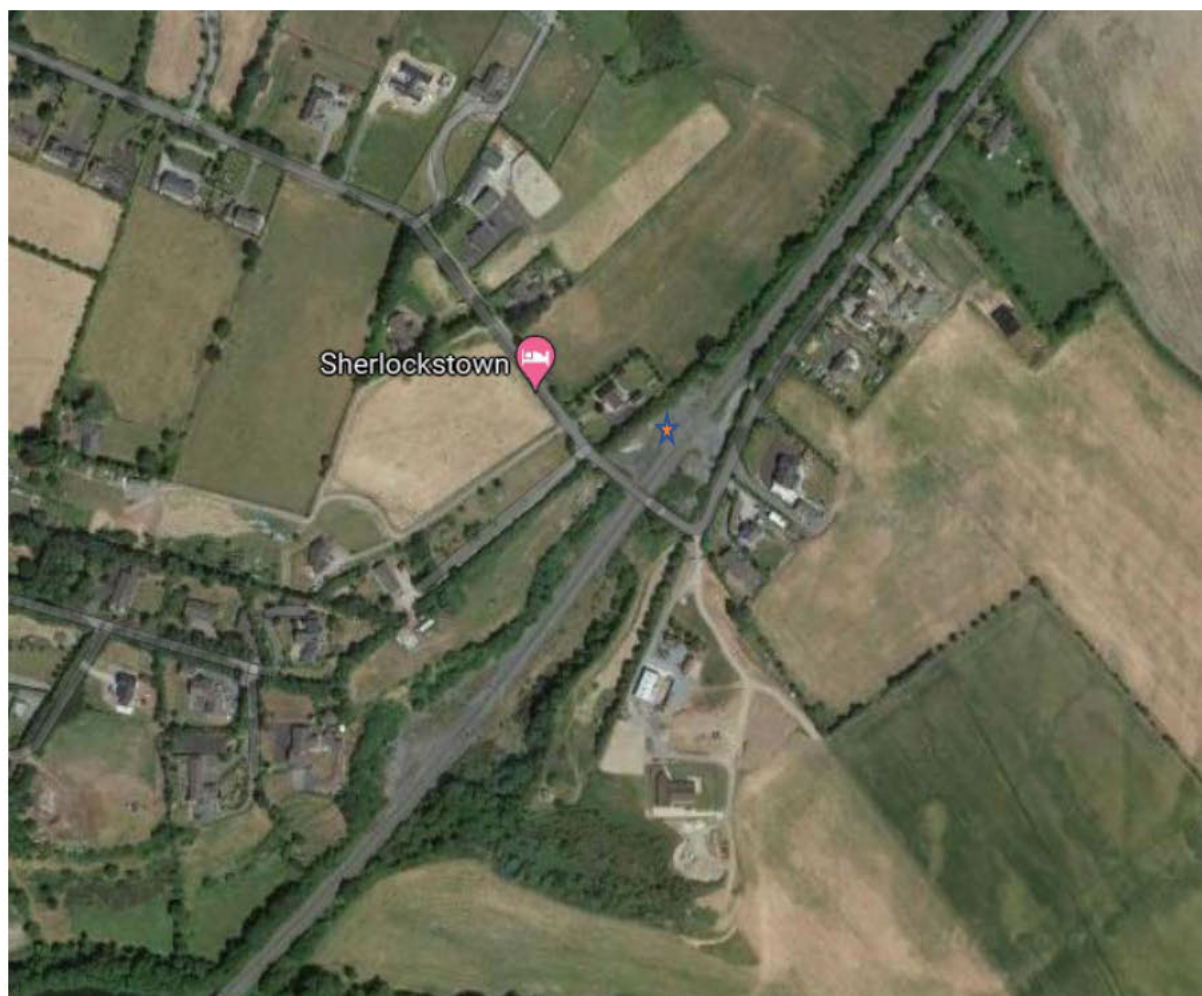
2.16.2 Attendance at IÉ premises will be subject to compliance with local security, health and safety arrangements and with the arrangements in place at that premises.

2.16.3 Site visit is not mandatory.

3. Appendix A: Visual Attachments



Location of monitoring stations Private Property – W91 X3KA



Sherlockstown Compound W91 AK11

From: [Seamus Hannon](#)
To: [Ian Byrne](#)
Subject: Sherlockstown noise and vibration study
Date: Monday 14 February 2022 14:40:00
Attachments: [image001.png](#)

Hi Ian,

PO 4501224226 – refers to RFQ 18725. Can you let me know when a suitable date arises to complete same and I will arrange necessary track protection.

Regards,
Seamus Hannon

Assistant Engineer, Dublin West, Iarnród Éireann;
Infrastructure Manager's Department, CCE Regional Office, Heuston Station, Dublin 8.
[REDACTED] ✉: seamus.hannon@irishrail.ie 🌐: www.irishrail.ie

