

EMISSIONS MONITORING SEMINAR

Essentials of Noise (3) - Noise Impact Assessments

16th January 2020, Priory Rooms, Birmingham

11th February 2020, Novotel Leeds Centre

19th March 2020, Ricardo E&E London Office

What is the seminar about?

This seminar continues the Essentials of Noise programme. The seminar will build on Essentials of Noise 1 and 2 and deal with the evaluation of monitoring results and creation of impact assessments based on appropriate legal and policy standards.

The session will provide explanations and practical examples to describe the appropriate selection of standards based on types of noise and receptor, as well as looking in detail at a range of impact assessment standards including:

- BS4142:2014
- World Health Organisation and BS8233:2014,
- BS5228:2009 & Construction sites
- Calculation for Road Traffic Noise, Calculation for Rail Noise
- Aircraft noise

Case studies will accompany all presentations to help illustrate how these standards are used in the construction of impact assessments.

The final session will review EIA procedures and provide a case study with an opportunity to review the use of standards in the context of an Environmental Impact Assessment.

WHO IS THIS SEMINAR FOR?

This session will be of particular use to delegates who are dealing with submitted noise reports and have an interest in understanding the underlying theory and practice in more detail. It will provide greater insight into the methods used to create reports and the assumptions that underpin those methods.

The session will review how the identified standards are used, providing key details on methodology and leading delegates through worked examples.

Queries will be dealt with during the course and, in addition, attendees may forward questions prior to the course to emaq@ricardo.com.

Essentials of Noise (3) - Introduction to Sound and Noise Monitoring

COURSE PROGRAMME

09.30-10.00	Registration and coffee
10.00	Welcome and Introduction This session introduces the day, advising on the content and context of how the day will be presented.
10.10	Session 1 – Impact assessments theory This session will review the basic theory of impact assessments. It will cover the selection of standards and matching the standard to the source, review of the applicability of standards (highlighting potential uncertainties and how these may be overcome and will provide a summary matrix for when some standards are or are not applicable.
10:45	Coffee/Tea Break
11.00	Session 2 – WHO Guidelines/BS8233:2014 This session will review the use of measurements to compare to WHO and BS8233:2014. It will identify key issues with using long term average levels for impact assessment purposes, and look at the latest WHO guidance. It will also discuss a methodology for helping identify the LAMax impacts associated with event noise.
11.45	Session 3 – CRN/CRTN This session will review the CRN and CRTN methodologies, and explain how both standards are used in impact assessments, using both calculations (models) and measurements to provide robust assessments for use in the prediction of impacts. It will also provide a brief overview of DMRB and other related guidance.
12.30	Lunch
13.15	Session 4: BS4142:2014 Industrial Noise This session will cover the method used to conduct a BS4142 impact assessment, and review the potential issues arising with the use of BS4142. It will consider the subjective elements of the assessment (acoustic features) and provide insight into the key issues arising with improper use within impact assessments.
14.15	Session 5 – BS5228:2009 Construction Noise Using example case studies, this session will provide a detailed review of the practical application of BS 5228 to predict construction site noise, and how it is used to inform CEMP's as part of the planning and construction phases of development.
15.00	Coffee/Tea Break
15:15	Session 6 – Environmental Impact Assessment Final Case study Session 6 will provide a basic introduction to Environmental Impact Assessments, and we will review some of the data produced for the noise element of an EIA that draws on the standards discussed during the day.
16:15	Wash up Trainers will provide a summary of the key outcomes, there will be an opportunity to ask more detailed questions.

NOTE: A CPD Certificate for each delegate will be available for collection at the end of the seminar.

YOUR TRAINER

ANDY PAGETT

Andy Pagett is a Senior Acoustic Consultant currently working in the transport acoustics team at AECOM Limited. Andy studied Music, Acoustics and Recording at Salford University, before moving into a career in acoustic consultancy. Over the past 13 years as a consultant Andy has developed a broad range of knowledge across both environmental and building acoustics, including planning applications, environmental mitigation design and building acoustic design. Andy's key strengths are in 3D computer noise modelling and data analysis which fits well with his current role working on both the construction and operational aspects of large transport schemes, including Local Authority schemes, and schemes for Highways England and Transport Scotland. Andy's recent projects include the A38 Derby Junctions project, and the M54 to M6 Link Road, both of which are Nationally Significant Infrastructure Projects (NSIPs). Andy is a confident speaker who enjoys the opportunity both to demystify acoustics to the general public in non-technical terms, and to cover concepts in more technical terms.

TONY HIGGINS

Tony Higgins is a Director of Enviroconsult Limited specialising in environmental and acoustic consultancy services. Tony has worked in local government regulation for over 20 years, principally in environmental protection, but also as an independent environmental consultant for the last 11 years. Tony worked as a regulator, and is familiar with evidence gathering, enforcement, and legal processes across a number of regulatory regimes. His technical expertise covers a broad range of environmental disciplines including, environmental permitting, waste, noise and nuisance investigation, environmental planning, health and safety, and licensing. Tony is a member of the Institute of Acoustics, Measurement and Instrumentation technical group. Tony's recent work involves considering planning applications for the redevelopment of Telford Town Centre, carrying out due diligence assessments for a tyre pyrolysis plant, regulation of major industrial processes such as large foundries and galvanising plants and wood treatment plant, and helping devise multi-agency response to noise problems from Ironbridge Power station. Tony has organised BS4142:2014 training sessions for the Institute of Acoustics. Additionally, Tony has provided expert witness advice for councils in both inquiry and court, and has sat on the review of PG and SG notes for solvents, metals, minerals and combustion industry sectors. Tony also attended the Industrial Pollution Control Local Authority Group and Industry Forum in relation to Industrial pollution control policy.

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BOOKING FORM

When completed please email this form to emaq@ricardo.com

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Title (Dr) (Mr) (Mrs) (Miss) (Ms) <i>please circle</i>	Signature	
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Registration Details:

Fees: £250 + VAT for additional member places

£295 + VAT for non-Subscribers

Date and location: 16 January 2020 – Priory Rooms Birmingham
11 February 2020 – Novotel Leeds Centre
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Booking Terms and Conditions:

- Fees include coffee, lunch, tea and documentation
- **Cancellation without 48 hours notice may render the delegate liable for the full fee/loss of subscription place. Substitutions can be made but please let us know in advance.**
- Confirmation of registration and a map of the venue will be sent within 7 days of receipt of booking
- EMAQ+ reserves the right to cancel a seminar session should take up be less than the minimum number of delegates per room booking. Should a seminar session become over-subscribed then EMAQ+ reserve the right to limit the number of places booked per subscriber.