



Thurrock Flexible Generation Plant

**Preliminary Environmental Information Report
Appendix 11.2: BS 4142:2014 Statements of Competence**

Date: September 2018

Environmental Impact Assessment
Preliminary Environmental Information Report

Volume 6

Appendix 11.2

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Checked by: Simon Stephenson

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Summary

This Appendix provides a statement of competence for the consultants involved in undertaking the noise assessment in accordance with BS 4142:2014.

Qualifications

This document has been prepared by Jon Baldwin, a Senior Acoustic Consultant and full Member of the Institute of Acoustics, who has six years' experience of environmental noise impact assessment.

It has been checked by Stephen Scott, a Senior Acoustic Consultant and full member of the Institute of Acoustics, who has 20 years' experience of environmental noise impact assessment.

It has been authorised by Simon Stephenson, a Technical Director within the Acoustics Team and full member of the Institute of Acoustics, who has 20 years' experience of environmental noise impact assessment.

1. BS 4142:2014 Statement of Competences

1.1 Simon Stephenson – Technical Director Acoustics

BSc (Hons) Physics; Chartered Engineer; Member of the Institute of Acoustics; Associate Member Acoustical Society of America

- 1.1.1 Simon is Technical Director of the RPS Acoustics Team. He is a specialist noise and vibration consultant with a wide range of experience gained in the UK and worldwide. He has gained particular experience in the fields of environmental noise, underwater acoustics, engineering noise control, acoustic design of plant and industrial noise management, working within the industrial, oil and gas, petro-chemical, power, renewables, construction, mineral extraction and waste industry sectors.
- 1.1.2 Simon is a leading expert on the subject of industrial noise and has published many technical papers on the subject. He was heavily involved with a research project for the Department for Environment, Food and Rural Affairs (Defra) to develop a new national method for the noise mapping of industrial sources. He has also been actively involved in providing technical advice to Defra regarding noise mapping of transportation sources and provided peer review and advice relating to CNOSSOS and industrial noise. He has also provided technical advice to the Environment Agency in relation to the effects of industrial and piling noise on birds. He has appeared as an expert witness on many occasions, representing both developers and local authorities at public inquiries and at parliamentary review.
- 1.1.3 Simon is currently a secretary of the Institute of Acoustics Noise and Vibration Engineering Group.
- 1.1.4 Simon has been involved in many BS 4142 noise assessments for both the previous and current 2014 version of BS 4142. He has given evidence at public inquiries where BS 4142 has been the primary assessment methodology. On the basis of Simon's overall experience in acoustics (particularly in relation to industrial noise) combined with particular focus on BS 4142, he is deemed competent for BS 4142 assessments.
- 1.1.5 For this PEIR, Simon has taken on the role of overseeing and delivering the Noise and Vibration chapter (Volume 3, Chapter 11).

1.2 Stephen Scott- Senior Acoustic Consultant

MEng Engineering Acoustics and Vibration with Merit; Member of the Institute of Acoustics

- 1.2.1 Stephen is a Senior Acoustic Consultant and environmental acoustics specialist with over fifteen years' experience. He has been a member of the Institute of Acoustics since 1997 and a corporate Member of the Institute of Acoustics (MIOA) since 2001.
- 1.2.2 Stephen has project managed and undertaken assessments for a variety of developments, including: road and rail schemes; large scale mixed-use developments, incorporating commercial, retail, leisure and residential elements; on-shore and off-shore windfarms and their associated infrastructure; energy from waste facilities; manufacturing facilities; power stations and solar farms; retail units; and minerals extraction.
- 1.2.3 He has provided input into Environmental Impact Assessments (EIAs) and undertaken noise assessments to support planning applications, discharge planning conditions and planning appeals. He has also provided technical advice on mitigation options and provided expert witness. He has a Continuous Professional Development Record to support this competency and experience.
- 1.2.4 Stephen has been involved in many BS 4142 noise assessments using both the previous and current 2014 version of the standard. On the basis of Stephen's overall experience in acoustics combined with particular focus on BS 4142, he is deemed competent to undertake BS 4142 assessments.
- 1.2.5 For this PEIR, Stephen has taken on the role of reviewing the assessment.

1.3 Jon Baldwin – Senior Consultant Acoustics

BSc (Hons) Sound Engineering; Member of the Institute of Acoustics

- 1.3.1 Jon is a Consultant in acoustics with over five years' experience within the field of acoustic engineering. Following completion of a degree in Sound Engineering, he worked within the Audio Visual sector before moving into consultancy. He has been an associate member of the Institute of Acoustics since 2013, and a full member since January 2018.
- 1.3.2 Jon has experience of project managing and undertaking acoustics surveying and assessments for a variety of industrial, commercial, residential and mixed-use developments, as well as for major infrastructure projects.

- 1.3.3 He has provided input into EIAs and undertaken noise assessments to support planning applications and discharge planning conditions. He has a Continuous Professional Development Record to support this competency and experience.
- 1.3.4 Jon has been involved with a number BS 4142 noise assessments using both the previous and current 2014 version of the Standard. On the basis of Jon's overall experience in acoustics combined with his experience of BS 4142, he is deemed competent to undertake BS 4142:2014 assessments.
- 1.3.5 For this PEIR, Jon has taken on the role of carrying out the assessment and writing the PEIR chapter.

1.4 Charlotte Birch – Assistant Consultant Acoustics

MSci (Hons) Chemistry and Molecular Physics, MSc Atmospheric Physics

- 1.4.1 Charlotte is an Assistant Acoustic Consultant and joined RPS in 2017. Since joining RPS she has undertaken acoustic surveying and assessments for a variety of commercial, residential, and industrial developments.
- 1.4.2 She has acoustic survey, data processing and noise modelling experience, and has a Continuous Professional Development Record to support this competency and experience.
- 1.4.3 For this PEIR, Charlotte has taken on the role of building the noise model.