



Thurrock Flexible Generation Plant

**Environmental Statement Volume 6
Appendix 11.2: BS 4142:2014+A1:2019 Statements of Competence**

Date: February 2020

Environmental Impact Assessment

Environmental Statement

Volume 6

Appendix 11.2

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This report is also downloadable from the Thurrock Flexible Generation Plant website at:
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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 Charlotte Birch, an Acoustic Consultant and Associate Member of the Institute of Acoustics, who has two years' experience of environmental noise impact assessment.

It has been checked by Josh Wilson, an Acoustic Consultant and full Member of the Institute of Acoustics, who has four 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. British Standard 4142:2014+A1:2019 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 Common Noise Assessment Methods 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 British Standard (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 Environmental Statement (ES), Simon has taken on the role of overseeing and delivering the Noise and Vibration chapter (Volume 3, Chapter 11).

1.2 Lise Tjellesen – Technical Director Acoustics

MSc Acoustics; MEng; Member of the Institute of Acoustics; Associate Member Acoustical Society of America

- 1.2.1 Lise is Technical Director of the RPS Acoustics Team. She has more than 18 years of experience in both environmental and architectural acoustics. She has extensive knowledge of developing specifications and designs for commercial and residential developments, educational institutions and healthcare centres.
- 1.2.2 Lise has extensive experience with project management, budget and resource management for a variety of projects across the industrial and architectural acoustics sectors. She has provided input into many BS 4142 noise assessments for both the previous and current 2014 version of BS 4142, and on the basis of Lise's overall experience in this field, she is deemed competent for BS 4142 assessments.
- 1.2.3 For this ES, Lise has taken on the role of project management and reviewing assessments and reports.

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 of 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 ES, Jon has taken on the role of carrying out the assessment.

1.4 Josh Wilson – Consultant – Acoustics

BSc (Hons) Acoustics & Music; Member of the Institute of Acoustics

- 1.4.1 Josh is an Acoustic Consultant with over four years' experience within the field of acoustics engineering & consultancy. He has been a Member of the Institute of Acoustics since 2014 and a Corporate Member since January 2018.
- 1.4.2 Josh has project managed and undertaken noise assessments for a variety of developments. These include: large scale mixed-use developments, incorporating commercial, retail, leisure and residential elements; energy facilities in the UK and USA; manufacturing facilities; distribution centres; retail units and minerals extraction and exploration, both onshore and offshore. He has provided input into Environmental Impact Assessments and undertaken noise assessments to support planning applications and discharge planning conditions. Josh has also provided input for a research and development project of which the findings are now actively being employed by offshore energy companies across the UK. He has a Continuous Professional Development Record to support this competency and experience.
- 1.4.3 Josh has been involved in many BS 4142 noise assessments using both the previous and current 2014 version of the standard. On the basis of Josh's overall experience in acoustics combined with particular focus on BS 4142, he is deemed competent to undertake BS 4142:2014 assessments.
- 1.4.4 For this ES, Josh has taken on the role of carrying out the assessment and writing the ES chapter.

1.5 Charlotte Birch – Consultant Acoustics

MSci (Hons) Chemistry and Molecular Physics; MSc Atmospheric Physics; PGDip Acoustics and Noise Control; Associate Member of the Institute of Acoustics

- 1.5.1 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.
- 1.5.2 She has acoustic survey, data processing and noise modelling experience, and has a Continuous Professional Development Record to support this competency and experience.
- 1.5.3 For this ES, Charlotte has taken on the role of building the noise model.

2. References

British Standards Institution (2019) BS 4142:2014+A1:2019 Methods for rating and assessing industrial and commercial sound. London, British Standards Institution.